

BIO-DATA

Name L.M. Patnaik

Former Designation Former Professor, Indian Institute of Science, Bangalore
Former Vice Chancellor
Defence Institute Advanced Technology
(Govt of India, Min of Def, DRDO)
Deemed University, Pune

Current Designation INSA Senior Scientist and Adjunct Professor
National Institute of Advanced Studies &
Honorary Professor, Department of Electronics Systems Engineering,
Indian Institute of Science, Bangalore 560012

Current Address Apt. No. 313, Sriniket Apartments, 19/8 First Cross,
MSR College Road, Mathikere, Bangalore 560054

Phone 09845434196 (Mob)

Email lalitblr@gmail.com , patnaiklm@yahoo.com

Date of Birth 22 July 1946

Academic Qualifications (First Degree Onwards)

Examination	University/Institution	Class and Rank	Year
D.Sc. in Engineering Faculty	Indian Institute of Science Bangalore		1989
Thesis : Investigations on Computer Systems and Architectures			
Ph.D in Engineering Faculty	Indian Institute of Science Bangalore		1978
Thesis : Optimization and Multivariable Computer Control of an Ammonia Reactor			
M.E. in Electrical Engineering	Indian Institute of Science Bangalore	Distinction	1971
B.Sc. (Engg.) in Electrical Engineering	Sambalpur University Sambalpur, Orissa	First Class Honours, First Rank in the University	1969

Details of Service:

From		To		Designation
Month	Year	Month	Year	
Mar	2008	August	2011	Vice Chancellor, Defence Institute of Advanced Technology, Deemed University, Girinagar, Pune
July	1986	Mar	2008	Professor, Dept of Computer Science and Automation, IISc, Bangalore
				Convener, Computational Neurobiology Group, since April 2003, IISc, Bangalore
October	1983	June	1986	Associate Professor, IISc, Bangalore
April	1980	September	1983	Assistant Professor, IISc, Bangalore
April	1976	March	1980	Systems Programmer, IISc, Bangalore
October	1971	March	1976	Senior Research Assistant, IISc, Bangalore

Significant Contribution made as Vice Chancellor at DIAT, Pune

At the Defence Institute of Advanced Technology, he has been directing the unique academic, research, and training activities in the broad areas of defence science and technology, with a wide spectrum of participation of senior officers from DRDO, Army, Air Force, Navy, Indian Ordnance Factories, Directorate General of Quality Assurance, public and private sector organisations, several friendly foreign countries such as Ethiopia, Burma, Sri Lanka, Bhutan, Singapore, Malaysia and civilian students from general public. His specific initiatives to strengthen defence education and research at this University are in the areas of initiation of collaborative efforts at the International level, organisation of several long and short courses and International Conferences of specific relevance to Indian defence forces and organisations, nurturing a conducive research environment in the areas of defence science and technology, and initiation of new Postgraduate programs of relevance to defence technologies such as cyber security, materials science and engineering for defence applications. The University offers only Master's and Doctoral programs; other than a number of short and long courses for armed forces and defence scientists/technologists.

Guidance of Students for Research Conferments

Degree	Completed	Under Progress	Total
Ph.D.	24	7	31
M.Sc (Engg.)	18	-	18

Research Publications

	Papers in Referred Journals	Papers in Referred Conference Proceedings	Books	Chapter in Books	Technical Reports	Total
Published/ Accepted for Publications	372	656	22	12	29	1091

Academic Recognitions

Fellowship

1. Fellow, The Institute of Electrical and Electronics Engineers (IEEE), U.S.A.
2. Fellow, The World Academy of Sciences(TWAS),Trieste, Italy.
3. Fellow, The Computer Society of India.
4. Fellow, Indian National Academy of Engineering.
5. Fellow, Indian National Science Academy, New Delhi, India.
6. Fellow, Indian Academy of Sciences, Bangalore, India.
7. Fellow, The National Academy of Sciences, Allahabad, India.
8. Honorary Fellow, The Indian Society for Technical Education.
9. Fellow, The Institution of Electronics and Telecommunication Engineers, India.
10. Fellow, The Institution of Engineers (India).
11. Fellow, Maharashtra Academy of Sciences.

Awards

1. M N Sha Memorial Award for Best Application Oriented Paper, IETE, 2016
2. Outstanding Contribution to Soft Computing Award of the International Neural Network Society India Chapter , 2014
3. Distinguished Alumnus Award 2012, National Institute of Technology, Rourkela.
4. Top Management Consortium, Pune, Education – Defence Services Excellence Award – 2009, Mar 2010.
5. Biju Patnaik Award for Excellence in Science 2007 (Award given in 2009).
6. Srinivasa Ramanujan Birth Centenary Award, Indian Science Congress Association, 2008.
7. Honorary Fellow, Indian Society for Technical Education, 2006.
8. Goyal Prize for Applied Science, 2005.
9. Distinguished Engineer Award, Institution of Engineers (India), Karnataka State Centre, 2004.
10. Alumni Award for Excellence in Research for Engineering, Indian Institute of Science, 2003.
11. Awarded the IEEE Computer Society’s Meritorious Service Award, 2002.
12. FICCI Award for Innovation in Material Science, Applied Research and Space Science, 2001-2002.
13. Om Prakash Bhasin Award, Electronic and Information Technology, 2001.
14. Indira Gandhi Sadhbavna Award of the National Integration and Economic Council, New Delhi, Nov 2001.
15. Pandit Jawaharlal Nehru National Award for Engineering and Technology, 1999.
16. Bharat Jyoti Award of the India International Friendship Society, New Delhi, September 2001.
17. First SVC Aiya Memorial Trust Award for Telecommunication Education, 2000.
18. Fourth Sir C V Raman Memorial Lecture, The Institution of Electronics and Telecommunication Engineers, 2000.
19. Awarded the IEEE Computer Society’s 1999 Technical Achievement Award for contributions in the field of parallel, distributed, and soft computing and high performance genetic algorithms.

20. Awarded the “Distinguished Professional Engineer”, Award of the Computer Engineering Division of the Institution of Engineers(India), 1999.
21. Awarded the “Hands for Indian IT Award” for the year 1998 in recognition of contributions to the Indian IT industry.
22. Awarded the “VASVIK Award” for 1996 in the field of Electronic Sciences and Technology.
23. Awarded the Certificate of Appreciation “For excellent service and dedication to the objectives of the IEEE Computer Society as a Distinguished Visitor”, 1995.
24. Awarded “Samant Chandrasekhar Award” for the year 1994 from the Government of Orissa as the outstanding Oriya Scientist outside Orissa.
25. Platinum Jubilee Lecture Award (Computer Science), Indian Science Congress, 1994.
26. Awarded “Shri Hari Om Ashram Prerit Dr. Vikram Sarabhai Research Award” for the year 1989 for achievements in the field of Electronics, Informatics, Telematics and Automation.
27. Awarded “Fifteenth Ram Lal Wadhwa Award” of the Institution of Electronics and Telecommunication Engineers for the year 1992 for contributions in the field of Electronics and Telecommunications during the last 10 years.
28. Awarded Honourable Mention Award for the paper titled Simulated Annealing-Based Channel Routing on Hypercube Computers, presented at the Fourth CSI/IEEE International Symposium on VLSI Design, 1991.
29. Recipient of the Best Alumnus Award from the Regional Engineering College, Rourkela for outstanding contributions in the areas of Automation and Computer Science.
30. State level awards for securing the first rank in the High School Certificate examination in the State of Orissa.
31. Recipient of National Merit Scholarship on the basis of the above examination result.

Academic Honours

1. Vice President, Indian National Academy of Engineering (INAE), 2007-2009.
2. President, Computational Intelligence Society of India, 2003.
3. President, Advanced Computing and Communications Society, 2002.
4. President, Physical Sciences Section, The National Academy of Sciences, 2000.
5. Listed in Who’s Who in the World, Marquis Publications, Eighteenth Edition, December 2000.
6. Listed in Who’s Who in Asia and The Pacific Nations, Fourth Edition, 1999.
7. Listed in Who is Who in the World, Marquis Publications, Sixteenth Edition, 1999.
8. “Senior Associate”, National Institute of Advanced Studies, Bangalore.
9. IEEE Asia-Pacific Distinguished Visitor, 1994-95, 1996-98.
10. IEEE-CS Distinguished Lecturer for the Asia-Pacific Region.
11. Distinguished Visitor, CSI Annual Convention and Exhibition, September-October 1991, New Delhi.
12. Listed in Reference Orissa, Who’s Who of Men & Women of Achievement in Orissa.
13. Listed in Who’s Who in the World, Marquis Publications, Eighth Edition, U.S.A.
14. Listed in Reference Asia, Asia’s Who’s Who of Men and Women of Achievement, Fifth Volume, 1989.
15. Listed in the Directory of Distinguished Computer Professionals of India, Institute of Chartered Computer Professionals of India, Secunderabad, 1990.
16. First IEEE Region 10 Distinguished Lecturer, 1990.

Significant Research Contributions

1. Computer Architecture
2. High Performance Computing
3. CAD of VLSI Systems
4. Computational Neuroscience
5. Mobile Computing

6. Soft Computing
7. Real-Time Systems

Prof. Patnaik has made several pioneering contributions in the broad discipline of Computer Science and Engineering. His outstanding research work spans several areas such as High Performance Computing, Soft Computing, Computer Aided Design of VLSI Circuits, Mobile Computing, Computational Neuroscience, Medical Imaging, Information Retrieval and Security including Data and Web Mining. A brief summary of his significant research results is presented below.

High Performance Computing:

One of his pioneering contributions has been the design of an intelligent configuration of hierarchical network of hypercubes called the Extended Hypercube (EH), a highly efficient message passing architecture. Accelerated neural network simulators have been developed using this novel architecture, to yield better performance than some of the best commercial approaches. He has developed modified version of Pixel-based reconstruction (PBR) algorithm for three-dimensional medical imaging and ported this algorithm onto the above

EH architecture to yield excellent performance improvement. He has played a significant role in evaluating the performance of India's supercomputer PARAM.

Soft Computing:

The focus of Prof. Patnaik's original research in this area has been on theoretical and practical fronts.

He has developed a novel exact model for analyzing the working of Genetic Algorithms (GAs), when the objective function is a function of unitation and population is infinite. The concept of fitness of moments developed by him to analyze the working of GAs and characterizing their dynamics is ingenious. His original concept of adaptive probabilities of crossover and mutation to realize efficient multimodal function optimization has been extensively used in VLSI channel routing, testing, and physical design. For the first time, he has applied genetic programming to multicategory pattern classification.

His recent work on computational neuroscience has been widely acclaimed by neuroscientists and doctors. He has intelligently used several pattern classification techniques and feature extraction methods to classify MRI, fMRI images and EEG signals to diagnose several brain disorders and carry out cognition studies.

Mobile Computing:

He has developed a significantly novel distributed channel access protocol that occupies the channel reservation and the iterative/global transmission power control schemes in wireless adhoc networks. His novel energy-efficient routing algorithms, address allocation strategies, resource allocation policies, and location tracking techniques developed for wireless networks are widely acclaimed by researchers and industry practitioners.

Computer Aided Design of VLSI Circuits:

He has developed a novel test-set selection technique based on the frequency domain testing of analog circuits. This novel technique is best suited for use of existing building blocks in systems-on-chip for implementation of an on-chip test-signal generator and test response analyzer. For digital circuit testing, he has proposed a new coverage metric for delay fault tests. He has developed novel parallel algorithms and architectures for placement, routing, circuit simulation, and testing of VLSI circuits.

Real -Time Systems and Control:

Prof. Patnaik's applied skills in the area of real-time multivariable computer control have been demonstrated through his novel direct digital and supervisory control algorithms for ammonia reactors in fertilizer plants, steel, and nuclear industries. His self-tuning control algorithms yield improved performance for process industries.

Some of his noteworthy projects for the strategic sectors in India are, Real-Time Scheduling Algorithms for Onboard Computers for Indian Satellite Launch Vehicles, Automatic Target (Missile) Recognition, Multi Sensor Data Fusion for Onboard Radars, Space Time Adaptive Processing for Onboard Radar Signal Processing, and Online Nuclear Fuel Rod Positioning.

Computational Neuroscience:

Prof. Patnaik has developed techniques to classify MRI images for neurological disorders such as Parkinson's, Alzheimer's and epilepsy using improved algorithms based on support vector machines, neural networks and wavelets. His work in these areas is based on direct interaction with medical specialists from AIIMS and NIMHANS. He has also carried out novel cognition-related studies for motor control and other behavioral issues, using fMRI images.

Member of the Editorial Boards

A. International

- Editor, International Journal of Management Science and Engineering Management, London, UK, 2010.
- Member, Editorial Board of the Journal of Computers (JCP, ISSN 1796-203X), Finland.
- Editor, International Journal of Distributed Sensor Networks, Taylor and Francis/CRC Press.
- Member, Editorial Board, International Journal of Computer Science and Applications, Technomathematics Research Foundation.
- Member, Editorial Board, Journal of Information and Communication Technology, PeCOP Resources (Nig.) Ltd., Africa.
- Member, Editorial Board, Journal of Web Engineering, Rinton Press.
- Member, Editorial Board, Parallel And Distributed Computing Practices Journal, NOVA Science Publishers.
- Member, Editorial Board, Evolutionary Optimization An International Journal, Kluwer Publishing Co.
- Associate Editor, IEEE Transactions on VLSI Systems, IEEE Computer Press.
- Member, Editorial Board, The Computer Journal, Oxford University Press for the British Computer Society.
- Member, Editorial Board, Parallel Algorithms and Applications, Gordon and Breach Publishers.
- Member, Editorial Advisory Board, Microprocessors and Microsystems, Elsevier Publishers.
- Member, Editorial Board and Regional Editor for Southeast Asia for VLSI DE-SIGN: An International Journal of Custom-Chip Design, Simulation, and Testing Gordon and Breach Publishers.
- Co-Guest Editor, Special Issue of the Journal of Parallel and Distributed Computing on "Performance of Supercomputers", October 1993, Academic Press.
- Member, Editorial Board, International Journal of High Speed Computing, World Scientific Publishers.
- Member, Advisory Editorial Board of Computer-Aided Design, Butterworth - Heinemann, Publishers.
- Member, Editorial Board, International Journal of Computer Aided VLSI Design, ABLEX Publishing Corporation.

B. Domestic

- Member, Editorial Board, Indian Journal of Pure and Applied Mathematics.
- Member, Editorial Board, IEEE India Journal, Horizons.
- Editor, Journal of The Indian Institute of Science, Bangalore.
- Editor, Computer Science and Informatics, Journal of the Computer Society of India.

Membership of Conferences

A. International

1. Chair, 1st International Conference on Metacomputing [IcoMec10) held at the National Institute of Oceanography, Goa on 16th and 17th December, 2010.
2. Member, Program Committee, International Conference on Bioinspired Optimization Methods and thier Applications (BIOMA-2004), Ljubljana, Slovenia, 14-15 October, 2004.
3. General Chair, Second International Conference on Information Technology (ITPC), Asian Applied Computing Conference (AACC), Kathmandu, Nepal, 29-31 Oct, 2004.
4. Member, Program Committee, The Seventh International Conference on Informa- tion Fusion in 2004(Fusion 2004), Stockholm, Sweden, 28 Jun - 1 Jul, 2004.
5. Program Chair, North Asia-Pacific Computer Systems Architecture Conference (ACSAC 2004) Beijing, China, Sep 7-9, 2004.
6. General Chair, AACC 2004 (Second International Asian Applied Computing Conference), Kathmandu, Nepal, 4-6 June, 2004.
7. Co-Chair, ACM Workshop on Grid Computing and e-Science, 1-3 Aug, 2004, London.
8. Member, Advisory Board, International Conference on Signal Processing (ICSP), September 2003, Turkey.
9. General Chair, ITPC 2003 (International Conference on Information Technology Prospects and Challenges: In the 21 st Century), Kathmandu, Nepal, May 23-26, 2003.
10. Member, Advisory Committee, ICANN/ICONIP 2003, (Joint 13th International Conference on Artificial Neural Networks and 10th International Conference on Neural Information Processing), 26-29 June, 2003, Istanbul, Turkey.
11. Member, International Advisory Committee, IDEAL 2002 (Third International Conference on Intelligent Data Engineering and Automated Learning, 12-14 August, 2002, Manchester, UK), IDEAL 2003(Hong Kong), IDEAL 2004.
12. Member, International Organising Committee, Fusion 2002, (5th International Conference on Information Fusion) 8-11 July 2002, Washington DC, USA.
13. Member, Advisory Committee, ATM Interact Symposium 2001 on Broadband Networking in the New Millennium”, The ATM Forum, August 22-24, 2001.
14. Member, Programme Committee, The Seventh Australasian Conference on Parallel and Real-Time Systems, PART’2000, Sydney, Australia, November 29-30, 2000.
15. Member, Advisory Committee, International Conference on Information Technology, December 2000.
16. Member, Program Committee, International Workshop on Grid Computing, GRID’ 2000, Bangalore, India, December 17-20, 2000.
17. Member, Steering Committee, The Fourth International Conference/ Exhibition on High Performance Computing in Asia-Pacific Region, Beijing, China, May 14-17, 2000.
18. Member, Organising Committee, The Fourth World Multiconference on Systemics, Cybernetics and Informatics, SCI’2000, Orlando, Florida, USA, July 23-26, 2000.
19. Member, Program Committee, Asia-Pacific Symposium of Cluster Computing, APSCC’2000, Beijing, China, May 14-17, 2000.
20. Member, Program Committee, The Thirteenth International Conference on VLSI Design, VLSI’2000, Calcutta, India, January 3-7 2000.
21. Member, Advisory Committee, The Seventh International Conference on Advanced Computing and Communications, ADCOM’99, Roorkee, India, December 20-22, 1999.
22. Member, Advisory Committee, Conference on Information Technology CIT 99, Bhubaneswar, India, December 20-22, 1999.
23. Member, Steering Committee, Sixth International Conference on High Performance Computing, HiPC’99, Calcutta, India, December 17-20, 1999.
24. Member, International Program Committee, International Conference on Modelling and Simulation, Association of Modelling and Simulation Enterprises (AMSE), Leong, France, December 1999.
25. Member, International Program Committee, Sixth Annual Australasian Conference on Parallel and Real-Time Systems(PART’99), Melbourne, Australia, 29 November-1 December 1999.
26. Member, International Program Committee, Sixth International Conference on Neural

- Information Processing, Perth, Australia, November 16-20, 1999.
27. General Co-Chair, Third International Conference on Computational Intelligence and Multimedia Applications, New Delhi, 23-26 September 1999.
 28. Member, International Steering Committee, First IEEE Asia-Pacific Conference on ASICS, Seoul, Korea, 23-25 August 1999.
 29. Member, Steering Committee, Seventh International Workshop on Parallel and Distributed Real-Time Systems (WPDRTS), San Juan, Puerto Rico, April 12-16 1999.
 30. Member, Steering Committee, Twelfth International Conference on VLSI Design, Goa, India, January 7-10 1999.
 31. Tutorial Chair and Member, International Advisory Committee, International Conference on Evolutionary Computation in Engineering (ICECE'99), Chennai, India, January 6-9 1999.
 32. Member, Organising Committee, International Conference on Information Technology Integration for Manufacturing, Bangalore, December 28-30 1998.
 33. Member, Steering Committee, Fifth International Conference on High Performance Computing, HiPC 98, Madras, India, December 17-20 1998.
 34. Member, Advisory Committee, The Sixth International Conference on Advanced Computing, Pune, India, December 14-16, 1998.
 35. General Chair, First International Conference on Information Technology, Bhubaneswar, December 1998.
 36. Member, Steering Committee, The Fifth Annual Australasian Conference on Parallel and Real-Time Systems PART'98, Adelaide, Australia, September 28-29 1998.
 37. Member, International Steering Committee and Program Committee, Third High Performance Computing Asia Conference HPC - Asia 98, Singapore, September 23-25, 1998.
 38. Member, Program Committee, 8th International Parallel Computing Workshop (PCW'98), Singapore, September 7-8, 1998.
 39. Member, International Program Committee, Design of Information Systems for Manufacturing DIIMS'98, Fort Worth, Texas, USA, May 18-22 1998.
 40. Member, Organizing Committee, International Conference on Nonlinear Dynamics and Brain functioning, Bangalore, Feb 5-11 1998.
 41. Member, Steering Committee, Fourth International Conference on High Performance Computing, HiPC'97, Bangalore, India, December 17-20 1997.
 42. Member, Program Committee and Advisory Committee, The Fifth International Conference on Advanced Computing, Chennai, India, December 15-17, 1997.
 43. Member, Program Committee, IEEE Third International Conference on Algorithms and Architectures for Parallel Processing, Melbourne, Australia, December 8-12, 1997.
 44. Member, International Advisory Committee, The Fourth International Conference on Neural Information Processing ICONIP'97, Dunedin/Queenstown, Newzealand, 24-28 November 1997.
 45. Member, International Program Committee, Second IEE/IEEE International Conference on Genetic Algorithms in Engineering Systems: Innovations and Applications, University of Strathclyde, Glasgow, UK, 1-4 September 97.
 46. Member, International Program/Steering Committee, Second High Performance Computing Asia Conference HPC-Asia'97, Korea, April 21-15 1997.
 47. Member, Steering Committee, Third International Conference on High Performance Computing, HiPC'96, Trivandrum, India, December 19-22 1996.
 48. Member, National Advisory Committee, IEEE - ACE 96 XXII Annual Convention, "Quality - A Global Perspective", Anna University, Madras, November 30 - December 2, 1996.
 49. Member, Steering Committee and Program Committee, The Third Australasian Conference on Parallel and Real-Time Systems, 1996, Griffiths University, Brisbane, Queensland, Australia, 30 September - 1 October, 1996.
 50. Member, Program Committee, Second International Conference on Design of Information Infrastructure Systems for Manufacturing, Eindhoven, September 1996.
 51. Member, Program Committee, IEEE International Conference on Algorithms and

- Architectures for Parallel Processing, Singapore, June 11-13, 1996.
52. Program Co-Chair, Ninth International Conference on VLSI Design (VLSI '96), Bangalore, India, January 3-6 1996.
 53. Member, Program Committee, European Design Automation Conference (EDAC), Paris, France, March 11-14 1996.
 54. Member, Steering Committee, International Conference on High Performance Computing, HiPC'95, New Delhi, India, December 27-30 1995.
 55. Member, Program Committee, IEEE International Conference on Neural Networks, ICNN 95, Western Australia, 27 November-1 December 1995.
 56. Member, International Programme Committee, The Second New Zealand International Two-Stream Conference on Artificial Neural Networks and Expert Systems ANNES '95, Dunedin, New Zealand, November 1995.
 57. Member, Program Committee, The Second Australasian Conference on Parallel and Real-Time Systems (PART-95), Fremantle, Western Australia, September 28-29, 1995.
 58. Member, Steering Committee, The Second Australasian Conference on Parallel and Real-Time Systems (PART-95), Fremantle, Western Australia, September 28-29, 1995.
 59. Member, Steering Committee, High Performance Computing-Asia Conference, Taipei, Taiwan, September 18-22 1995.
 60. Member, International Programme Committee, International Conference on Engineering Applications of Neural Networks, EANN '95, Helsinki, Finland, August 21-23, 1995.
 61. Member, Technical Program Committee, IEEE IAS International Conference on Industrial Automation and Control, Hyderabad, January 5-7, 1995.
 62. Member, International Advisory Panel, The IEEE First International Conference on Algorithms and Architectures for Parallel Processing, ICA3PP-95, Brisbane, Australia, 1995.
 63. Member, Steering Committee, International Conference on Parallel Processing.
 64. Program Co-Chair, First International Workshop on Parallel Processing, Bangalore, India, December 27-30 1994.
 65. Member, Program Committee, 1994 International Conference on Parallel and Distributed Systems (ICPADS '94), December 1994.
 66. Member, Technical Committee and International Advisory Panel, Second IEEE Australian and New Zealand Conference on Intelligent Information Systems, ANZIIS 94, Brisbane, Australia, 29 November - 2 December 1994.
 67. Member, Steering Committee, Sixth IEEE Symposium on Parallel and Distributed Processing, Oct. 1994, Dallas, Texas, USA.
 68. Member, Organising Committee, Two-day Conference on Engineering in Software Design, September 1994.
 69. Member, Program Committee, High Performance Computing Conference '94, Singapore, September 1994.
 70. International Liaison Member, IEEE 1994 International Conference on Acoustics, Speech and Signal Processing, ICASSP '94, Adelaide, Australia, 19-24 April 1994.
 71. Member Programme Committee, VLSI '94.
 72. Member, Programme Committee, First Australia and New Zealand Conference on Intelligent Information Systems, ANZIIS-93, Perth, Western Australia, 1-3 December 1993.
 73. Program Chair (Asia/Australia) IEEE Symposium on Parallel and Distributed Processing, Dallas, Texas, USA, December 1-4 1993.
 74. Member, Programme Committee, Pacific Rim International December 1993.
 75. Member, Programme Committee, First New Zealand International Two-Stream Conference on Artificial Neural Networks and Expert Systems - ANNES '93, Nov 24-26, 1993.
 76. Member, Asian Sub Committee, The First ACM International Conference on Multimedia ACM-MULTIMEDIA'93, Anaheim, California, USA, August 1-6, 1993.
 77. Member, Organizing Committee and Publicity - Africa, India, Pacific Rim, Seventh International Parallel Processing Symposium.
 78. Member, Programme Committee, International Conference on Computer Graphics (ICCG 93), February 22-26, 1993.
 79. Member, Steering Committee, The Sixth International Conference on VLSI Design, Bombay,

- India, January 3-6, 1993.
80. Member, National Programme Committee of the International December 7-11, 1992.
Member, Programme Committee, Euromicro 92 Conference, Paris, France, September 1992.
 81. Member, Program Committee, The Twenty-Second Annual International Symposium on Fault-Tolerant Computing, Boston, USA, July 8-10, 1992.
 82. Member, Program Committee, CompEuro'92 - 1992 Engineering, The Hague, The Netherlands, May 4-8, 1992.
 83. Program Committee, Sixth International Parallel Processing Symposium, Beverly Hills, California, USA, March 23-26 1992.
 84. General Co-Chair, The Fifth International Conference on VLSI Design, Bangalore, India, January 4-7, 1992.
 85. Member, Programme Committee, International Conference on Software Engineering, Bangalore, India, October 1991.
 86. Member, Programme Committee, 1991 Pacific Rim International Symposium on Fault - Tolerant Systems (PRFTS '91), Kawasaki, Tokyo, Japan, September 1991.
 87. Member, Organising Committee, Indo-U.S. Workshop on CAD/CAM and Robotics, New Delhi, India, August 1991.
 88. Member, International Advisory Committee, IEEE International Seminar of Region 10 (TENCON '91), New Delhi, India, August 28-30 1991.
 89. Member, Program Chair, The Fourth International Conference on VLSI Design, India, January, 1991.
 90. Member, Program Chair, The Third International Conference on VLSI Design, India, January, 1990.
 91. Member, Advisory Committee, National Conference on Information Security, Karunya Institute of Technology and Sciences, Coimbatore, 25-26 November, 2005.
 92. Member, Advisory Committee, National Conference on Communications, Indian Institute of Technology, Kharagpur, 28-30 Jan, 2005.
 93. Member, Advisory Committee, Fourth Indian Conference on Computer Vision, Graphics and Image Processing, Kolkata, 16-18 Dec, 2004.
 94. Member, National Advisory Committee, National Conference on Information and Communication Sciences, Electronics and Computing, Chembarambakkam, Feb 6-7, 2004.
 95. Member, Advisory Board, National Conference on Signal Processing, Intelligent systems, and Networking (SPIN 2003), Bangalore, December 4-5, 2003.
 96. Member, National Organising Committee, National Seminar on Information and Network Security, Bangalore, August 2002.
 97. Member, Advisory Committee, Computer Society of India Annual Convention CSI-2002, October 2002, Bangalore, India.
 98. Member, National Organising Committee, National Seminar on Information and Network Security, Aug 2002.
 99. Member, Organising Committee, All India Seminar on Technical Education - Vision 2020, November 12 - 13, 1999, Roorkee.
 100. General Chair, YUFORIC (Youth Forum in Computer Science and Engineering on Networking and Internet Conference), December 9-12 1998, Ahmedabad.
 101. Member, Advisory Committee, Second Conference & Exposition on Petroleum Geophysics (SPG '98), January 19-21, 1998, Chennai, India.
 102. Member, Steering Committee, Third National Conference on Neural Networks and Fuzzy Systems (NCNNFS'97), 23-25 July 1997, Chennai, India.
 103. Conference Chair, Fourth Conference on Advanced Computing, Dec 1996, Bangalore, India.
 104. Chairman, Program Committee, Computer Society of India Annual Convention CSI-96, Oct-Nov 1996, Bangalore, India.
 105. Member, Program Committee, First Conference on Fault Tolerant Systems, December 20-22, 1995, I.I.T. Madras, India.

106. Conference Advisory Chair, Third Conference on Advanced Computing, Dec 95.
107. Member, Steering Committee, National Conference on Neural Networks and Fuzzy Systems (NCNNFS '95), March 16-18, 1995, Madras, India.
108. Member, National Advisory Committee, Conference and Workshop on Artificial Intelligence and Neural Networks: A Unified Approach (AINN-95), Amritsar, February 1995.
109. Member, Program Committee, National Conference on Logics and Automated Reasoning (LAR), Hyderabad, October, 1994.
110. Member, Steering Committee, National Conference on Neural Networks – from Foundations to Applications, NCNN'93.
111. Member, Organising Committee, Workshop on Parallel Processing, Bhabha Atomic Research Centre, Bombay.
112. Member, Organising Committee of the National Convention on “Knowledge Computing”, September 1991.
113. Member, National Advisory Committee, Conference on Parallel Processing Technology and Applications PARCOM-90, CDAC Pune, December 1990.
114. Member, Organizing Committee, Seminar on Microprocessor-based Integrated Design of Industrial Systems, November 1989.
115. Member, Program Committee, Annual Convention of the Computer Society of India, September 1989.
116. Member, Program Committee for the Conferences on Foundations of Software Technology and Theoretical Computer Science, Pune, India, December 1987.
117. Member, Program Committee and Chairman, Technical Programme Committee for an Advanced Workshop on Fault-Tolerant Computing, July 1987.
118. Member, Programme Committee for an Introductory Workshop on Fault-Tolerant Computing, July 1986.
119. Member, Technical Program Committee, for the IEEE Seminar on “Distributed Computer Control and Monitoring Systems in Power Stations and Process Applications”, New Delhi, India, November 1985.

Keynote/Invited Speaker

- Chief Guest and Keynote Speaker, IEEE Conference on Emerging Devices and Smart Systems, Mahendra Engineering College, Mahendhirapuri, Mallasamudram, Tamilnadu, 4 and 5 March 2016.
- Chief Guest and Keynote Speaker, National Conference on Emerging Trends in VLSI and Communication Engineering, Sree Sastha Institute of Engineering and Technology, Chennai, 19 Feb 2016.
- International Conference on Emerging Trends in Engineering Technology and Management 16-18 April, 2015 S Group of Institutions, Dindigul, and Tamilnadu, India 16-18 April 2015.
- Inaugural Keynote addresses Research Students' Talk, NIT, Rourkela, 11 May 2015.
- Invited Talk on cluster, grid and cloud Computing Rourkela Chapter, CSI Rourkela Chapter, 12 May 2015.
- Invited Talk on Cyber Physical Systems, Veer Surendra Sai Technical University, Burla, Sambalpur, Odisha, 13 May 2015.
- Guest of Honour and Keynote Speaker, National Conference on Recent Innovations in Computer Networks (NCRICN'15), 21 Aug 2015, INTU Ananthpuram, Andhra Pradesh.
- Chief Guest and Inaugural Speaker, Pre-Conference Tutorials/Workshop, Third International Conference on 'Emerging Research in Computing Information Communication and Applications (ERICA-2015), 30 July 2015, Nitte Meenakshi Institute of Technology, Bangalore.
- Plenary Speaker, Electronics and Communications Engineering Track 16th National Conference on Technological Trends (NCTT 2015), Sep 11-12, 2015, Trivandrum.
- Chief Guest and Keynote Speaker IEEE International Conference on Communication Control and Intelligent Systems, 7-8 Nov 2015, GLA University, Mathura.
- Outstanding Paper Award, European Conference on Data Mining 2015.
- Chief Guest and delivered lecture, Wireless Networks, Awate College of Engineering, Pune, 12 Mar 10.
- Guest of Honour and delivered lecture, 'Glorious Globe Day', Institution of Engineers, Pune 9 Mar 2010.

- Chief Guest and delivered Inaugural Address, National Seminar on Information Technology, Simhadgad Institute of Management and Computer Application, Pune, 20 Mar 10.
- Chief Guest and delivered Inaugural Address, National Conference on Global Management, DY Patil Institute of Management Studies, Pune, 14 Mar 2010.
- Chief Guest and delivered Inaugural Address , Training Programme on “Research Methodologies and Mathematical Modeling in Engineering & Technology, March, 11, 2010, Cummins College of Engineering for Women, Pune-52.
- Chief Guest and delivered lecture, 10th Annual Day, Shastri Group of Institutes, Pune, March, 13, 2010.
- Guest of Honour and delivered lecture, 21st Convocation Ceremony of IGNOU, Pune, March 16, 2010.
- Invited/Plenary Talk, International Conference on Emerging Trends in Computer Science, Communication and Information Technology (CSCIT2010), “Trends in Advanced Computing”, 9-11 January 2010, Yeshwant Mahavidyalaya, Nanded, Maharashtra.
- Invited/Plenary Talk, 97th Indian Science Congress 2010, “Changing Paradigms in Information Technology (Wireless Technology and Computational Intelligence)”, 3-7 January 2010, University of Kerala, Thiruvananthapuram.
- Invited Speaker, 2nd International Conference on Emerging Trends in Engineering & Technology (ICETET-09), ‘Brain and Computer Interface is New Ray of Hope for Handicapped’, 16-18 Dec 09, GH Raisonii College of Engineering, Nagpur.
- Invited Speaker, 44th Annual Convention of Computer Society of India, “Academic/Research : Challenges in Higher Technial Education in the Era of Global Competition, 8 Oct 09, VITS, Pune.
- Keynote Speaker, National Conference on “Wireless Technologies” (NCWT-08), 29-31 Dec 08, Padmashree D.Y. Patil Institute of Engineering & Technology, Pune.
- Keynote Speaker, 38th Annual Convention of ISTE and IFEES International Conference, 20 Dec 08, KIIT, Bhubneshwar.
- Invited Speaker, Symposium on Robotics and Autonomous Vehicles – Views and Perspectives, 08 Nov 08, R&DE (Engrs), Pune.
- Invited Speaker, International Workshop on “Emerging Frameworks and Issues for S&T Recruitments”, 19 Sep 08, RAC, Delhi.
- Invited Speaker, 41st Engineer’s Day Celebration, 16 Sep 08, The Institution of Engineers (India), Pune.
- Invited Speaker, Workshop on Mobile Systems (WoMS-08), 11 Jul 08, West Bengal University of Technology, Kolkata.
- Keynote Speaker, “Advanced Course on VLSI Technology” organized by ISTE, 30 Jun 08, Bharati Vidyapeeth, Pune.
- Invited Speaker, National Workshop on C⁴T²SR, 24 Jun 08, HEMRL, Pune.
- Invited Speaker, Short Term Training Programme (STTP) on Advance Communication Systems, 23 Jun 08, VIIT, Pune.
- Invited Speaker, Workshop on “Parallelism – Impact of Multicore and Latest Trends”, 23 Apr 08, I²IT, Pune.
- Keynote Speaker, Diploma in Advance Computing Program, 21 Apr 08, KNOW-IT, Pune.
- Keynote Speaker, Prof. A K Choudhury Memorial Lecture, International Workshop on Distributed Computing, Dec 2005, Kharagpur.
- Keynote Speaker, National Conference on “Advanced Multimedia Processing and Applications”, Oct 2005.
- Invited Speaker, National Conference on Information and Communication Engineering, Computing and Electronics, Feb 6 and 7 2004.
- Invited Speaker, Symposium on Arbitration and IT Industry: A Symbiosis, FKCCI and Indian Council of Arbitration, 20 Nov 2003, Bangalore, India.
- Invited Speaker, E-Governance Summit, IT.COM 2003, 4 Nov 2003, Bangalore, India.
- Invited Speaker, International Conference on Communication and Broadband Networking, May 5-7, 2003, Bangalore, India.
- Keynote Speaker, International Conference on Evolutionary Computing for Computers, Communication, Control and Power (ECCAP-2000), 4-7 Jan 2000, Chennai, India.
- Keynote Speaker, National Seminar on Artificial Intelligence, 27 Sept 1999, Bhubaneswar, India.
- Keynote Speaker, Seminar on Enterprise Resource Systems, 28 Sept 1999, Bangalore, India.
- Invited Speaker and Panelist, International Conference on Technical Education, Jan 98, Bhopal.
- Keynote Speaker, National Conference on Information Technology, Dec 97, Bhubaneswar.
- Keynote Speaker, National Convention on Networks and Information Systems, Ranchi, January 29 - 30, 1997.
- Invited Speaker, Conference of the Society for Petroleum Geophysicists, New Delhi, February 1996.

- Key Note Speaker, National Students' Convention Infoquest 95, Coimbatore, 1995.
- Key Note Speaker, National Seminar on Neural Networks, Ahmedabad, 1995.
- Key Note Speaker, Symposium on Genetic Algorithms, March 1995.
- Key Note Speaker, Conference on Software Quality Assurance, 1994.
- Platinum Jubilee Speaker, Computer Science Division, 81st Indian Science Congress, January 1994.
- Invited Speaker, Chemistry Division, 81st Indian Science Congress, January 1994.
- Invitee, Platinum Jubilee Lecture in the Section of Computer Sciences during the 81st Indian Science Congress.
- Invited Speaker, Indian Science Congress, January 1993.
- Invited Speaker, IEEE Conference on Computer Networking, Ahmedabad, Dec. 1992.
- Delivered a Plenary Talk on Massively Parallel Computation at the South East Asian Regional Computer Conference, Kuala Lumpur, Aug 11-14, 1992.

Session Chair/ Coordinator (upto 2010 only)

- Patron, National Seminar on "Nanomaterials for Devices : Characterization and Application", jointly by Poona University & DIAT, DU, Pune, 24-26 Jun 2010.
- Session Chair, International Conference on Nonlinear Dynamics and Brain functioning, Feb 5-11, 1998, Bangalore.
- Moderator, "Can we Build Competitive Architectures for General Purpose Applications?", HPC-ASIA'97 Conference, Seoul, Korea, 28 April-2 May 1997.
- Session Chair, HPC-ASIA'97 Conference, Seoul, Korea, 28 April-2 May 1997.
- Session Chair, Tenth International Conference on VLSI Systems (VLSI '97), Hyderabad, India, Jan. '97.
- Program Chair, Computer Society of India Annual Convention CSI-96, Oct-Nov 1996, Bangalore.
- Session Chairman, International Conference on Management of Data, Bangalore, Dec. 1992.
- Session Chairman, Technical Session on Interconnection Networks, Sixth International Parallel Processing Symposium, Beverly Hills, California, USA, March 23-26, 1992.
- Session Chair, Twenty Second Annual Symposium on Fault-Tolerant Computing, Boston, USA, July 8-10, 1992.
- Chairman, Technical Session on Verification, Validation and Testing, International Conference on Software Engineering, October 1991.
- Session Chairman, IEEE International Conference of Region 10, TENCON'91, August 28-30, 1991, New Delhi.
- Chairman, Technical Session on Neural Network Architectures, 1991 International Symposium on Circuits and Systems, June 1991, Singapore.
- Chairman, Session on Distributed Systems/Computer Architecture/Networks, National Conference on Real-Time Systems, Indore, February 1991.
- Coordinator, The Fourth International Symposium on VLSI Design, New Delhi, January 1991.
- Coordinator, The Third International Workshop on VLSI Design, Bangalore, January 1990.
- Coordinator for a Tutorial on Parallel Processing Architectures and Algorithms, Annual Convention of the Computer Society of India, September 1989.
- Coordinator, National Symposium on Instrumentation, October 1989.

Membership of Professional Bodies

- Life Member, Orissa Information Technology Society.

- Member, New York Academy of Sciences.
- Member, Association for Computing Machinery.
- Member, International Computational Intelligence Society.
- Life Member, Member of Council, Indian Complex Systems Society.
- Life Member, Indian Science Congress Association.
- Life Member, National Telematics Forum.
- Member - SIMULA Users' Group.
- Member - IEEE VHDL Standards group.
- Member - Association for Advancement of Fault - Tolerant and Autonomous Systems and its Executive Committee.
- Life Member - Instrument Society of India.
- Chairman - IEEE Computer Society Chapter, Bangalore.
- Founder Member, Advanced Computing and Communications Society.
- Life Member - VLSI Society of India.
- Member, Executive Committee, IEEE India Council.
- Responsible for starting IEEE Student Branch and IEEE Computer Society Branch Chapter at I.I.Sc., Bangalore, 1984; Member, Executive Committee of the IEEE, Bangalore Section, 1987.

Title of Ph.D Thesis Completed

1. Mrs Sunita V Dhavale, Digital Audio Watermarking Schemes for Copyright Protection, Jan 2015
2. Manisha J Nene, Uncovered Region Exploration Based Redeployment Algorithms for Mobile Wireless Sensor Networks, June 2014
3. Testing of Analog Circuits Built in Self Test (B K S L V Varapasad, July 2007).
4. Design and Performance Evaluation of Efficient Datamining Algorithms (P. Deepa Shenoy, July 2005, Off-campus Nonformal Research Supervision).
5. 3D Image Reconstruction Using Optical Phase Retrieval and Cone-beam Tomography (Hemanth T, February 2005).
6. Performance Evaluation of High Compression High Fidelity Progressive Image Coding Algorithms (Vishwanath P Baligar, June 2003).
7. Genetic Programming based Multicategory Pattern Classification (J.Krishna Kishore, March 2001).
8. Parallel Tomographic Image Reconstruction on Hierarchical Bus-Based and Extended Hypercube Architectures (K Rajan, July 1997).
9. Algorithms for Test Generation and Fault Simulation of Path Delay Faults in Logic Circuits (Ananta Kumar Majhi, January 1996).
10. Evolutionary Approaches to VLSI Channel Routing (B.B. Prahlada Rao, November 1994).
11. Distributed Logic Simulation: Performance Studies of Event-Driven and Time-First Evaluation Algorithms (S. Sundaram, August 1994).
12. Genetic Algorithms: Novel Models and Fitness-based Adaptive Disruption Strategies (M. Srinivas, August 1993).
13. S-Nets: A Tool for the Performance Evaluation of Hard Real-Time Scheduling Algorithms (S. Balaji, April 1993).
14. Reliability and Performability Analysis of Distributed Memory Multicomputers (Samir.M. Koriem, April 1993).
15. Escape Mechanism in Bistable Systems Driven by Strongly Correlated Noise (T.G. Venkatesh, Feb 1993).
16. A Specification Environment for Distributed Real-Time Systems (Rajib Mall, April 1992).
17. Dynamical and Type 2 Characterization of Ideal Basis Reduction in Symbolic Algebraic Computation (Chandan Haldar, June 1992).
18. Architecture, Performance and Applications of a Hierarchical Networks of Hypercubes (J. Mohan Kumar, Feb 1992).
19. Systolic Architectures for Realistic 3-D Graphics (Praxetes Canutes Mathias, Dec 1989).
20. Diagnostic Reasoning with Surface and Deep Level Knowledge in Medical Domain

(S.V.R.K. Prabhakar, Jan 1989).

21. Concurrency Control Algorithms for Data base Systems Exploiting the Semantics of Read only Transactions (Ramesh Chandra Hansdah, Dec 1988).
22. Data Flow Implementation of Functional Languages Supporting Fault-Tolerance & Resource Management (R. Govindarajan, Dec 1988).
23. Formal Tools for Specification Driven Protocol Design of Distributed Computing Systems (V.K. Agrawal, March 1988).
24. Nondeterminism and Communication in Functional Programming Systems A study in
25. Formal Program Development (Asis K. Goswami Sep 1985).
26. Self-Tuning Control of Multivariable & Hammerstein Nonlinear Systems (K. Anbumani, Oct 1981).

Teaching Activities Significant Graduate Courses

1. Topics in Mobile Computing Technologies
2. Discrete Structures
3. Computer Organization and Design
4. Computer Architecture
5. Computer Graphics
6. Database Management Systems
7. Computing Devices and Systems
8. Hybrid and Real-Time System
9. Computer Control of Industrial Processes
10. Basics of VLSI Systems
11. Computer Aided Design of VLSI Systems
12. Modeling and Simulation of Digital Systems

Significant Under-Graduate Courses

1. Discrete Structures
2. Engineering Applications of Computers
3. Pulse and Digital Circuits
4. Industrial Electronics and Control

Industrial Consultancy and Sponsored Research

- Principal Investigator of a Sponsored Research Project, “Experimental and Computational Studies on Neurobiological Systems”, Department of Biotechnology, Government of India (Rs.162.60 lakhs).
- Co-Principal Investigator of a Sponsored Research project, “Serial and Parallel implimentation of Space-Time Adaptive Processing (STAP) Algorithm ”, Centre for Airborne Systems, Department of Defence, Government of India (Rs.4,98,000).
- Principal Investigator of a Sponsored Research Project, “Signal Processing Algorithms for Brain Images”, National Brain Research Centre, Gurgaon (Rs.1,98,000).
- Co-Principal Investigator of a Sponsored Research project, “Feasibility study of eal-Time Processing of Synthetic Aperture RADAR Images using Space Time Adaptive Processing Algorithms”, Centre for Airborne Systems, Department of Defence, Government of India (Rs.4,94,000).
- Co-Investigator of a Sponsored Research project, “Study and Simulation of Interconnection Network and Architecture” for ANUPAM, BARC Parallel Processing System, Bhabha Atomic Research Centre, Board of Research in Nuclear Sciences, Department of Atomic Energy, Government of India (Rs.14,49,000).
- Principal Investigator of a Sponsored Research Scheme, “Neural Network-Based Automatic Target Recognition”, Defence Research and Development Laboratory (DRDL), Department of Defence, Government of India (Rs.8, 07,900)
- Principal Investigator of a Sponsored Research Scheme “Simulation Studies for the Design and Development of Neurocomputers”, Department of Biotechnology, Government of India (Rs.39.90 lakhs).

- Principal Investigator of a Sponsored Research Scheme “Neural Network-Based Data Fusion for Airborne Radar Data Processors”, Centre for Airborne Systems, Department of Defence, Government of India (Rs.2,99,000).
- Principal Investigator of a Sponsored Research Scheme “UNIX on Massively Parallel Systems: A Technical Survey”, Centre for Development of Advanced Computing, Pune (Rs.3,70,000).
- Chief Investigator of a sponsored research project “Transputer-Based Neural Network Simulator”, sponsored by the Centre for Development of Advanced Computing, Pune (Rs.2,04,900).
- Co-Investigator of a sponsored research project “Development of Application Software Packages and User Training in Hybrid Computation”, sponsored by the Department of Electronics, Government of India (Rs. 30,00,000).
- Principal Investigator of a research project on ”Research and Training in Advanced Microprocessors and Multi-microprocessor Systems”, sponsored by the Ministry of Human Resources Development, Department of Education, Government of India (Rs.25,00,000).
- Principal Investigator of a research project on “Research and Training in High Performance Computer Aided Design Systems for Mechanical and Electronic Applications” sponsored by the Ministry of Human Resources Development, Department of Education, Government of India (Rs.25,00,000).
- Principal Investigator of a research project on “PASIST: parallel Architectures for Simulation Studies” sponsored by Bhabha Atomic Research Centre, Electronic Division, Bombay (Rs.5,83,000).
- Principal Investigator of a research project on “Testbed for Fault-Tolerant Dis-tributed Computing Systems for Space Applications” Government of India, Department of Space, ISRO Head Quarters, Cauvery Bhavan, Bangalore (Rs.5,20,000).
- Principal Investigator of a sponsored research project “Formal Model for Task Execution in Real-Time Distributed Computing Systems”, sponsored by Indo-French Centre for the Promotion of Advanced Research (Rs.13,60,000).
- Principal Investigator of a sponsored research project “Multiprocessor Systems for Neural Computing” sponsored by the Department of Science & Technology, Government of India (Rs.25,90,560).
- Investigator of a discretionary research project on “Systolic Architecture for 3D Graphics” funded as part of the research scheme, “Knowledge Based Computer Systems”, sponsored by the Department of Electronics, Government of India and UNIDO.
- Consultant to Centre for the Development of Advanced Computing and Tata Unisys Ltd., Bangalore. Consultant to Computer Division, Electronics Corporation of India Ltd. Hyderabad, for a project on Feasibility Study and System Design for Computer Control of LD Converters”.
- Consultant to Messrs. Larsen and Toubro Limited for a project entitled ”Simulation Evaluation of the Control System Design for a Carriage and Trolley System for On-Line Nuclear Fuel Rod Positioning Control for a Bhabha Atomic Research Center Reactor”.

Visits Abroad (upto 2010 only)

- Visited Sri Lanka, Colombo to attend “EDUCON – A Symposium of Vice-Chancellors/Directors of Indian Universities/Institutions”, organised by The EDUCON (a common platform for dialogue and intense interaction between all the people involved in betterment of education scenario across India), 21-23 Aug 2010.
- Visited Bangkok, Thailand to attend the ‘Symposium of Vice-Chancellor/Directors of Indian Universities/leading institutions”, held from 20th to 23rd August, 2009, organised by The EDUCON (a common platform for dialogue and intense interaction between all the people involved in betterment of education scenario across India) at Bangkok, Thailand.
- Visited Beijing and Shanghai to attend the Ninth General Conference and Twentieth Anniversary Celebrations of the TWAS (Oct 2003).
- Visited Bath, Bristol, London, and York to attend EPSRC-sponsored Workshops in the area of Ubiquitous Computing and deliver seminars in this area (Sep 2003).
- Visited University of Central Florida, Florida International University, and University of Miami, USA, Nov 2002.
- Visited The Chinese University of Hong Kong, The International Institute of Software Technology, The UN University (July-Aug 2002).
- Visited University of New Castle upon Tyne, University of Manchester, University of Surrey in UK as part of the Royal Society - Indian National Science Academy exchange programme (Jan-Feb 2001).

- Visited the National Institute of Mental Health, Bethesda, Washington, USA, July-Aug 2000.
- Visited Asian Institute of Technology, Bangkok, Thailand to deliver seminars in the areas of Evolutionary Computing and Mobile Computing (March 2000).
- Visited Louisiana State University, Baton Rouge, USA and Intel, Portland, USA to deliver seminars in the areas of Mobile Computing and to receive the IEEE Computer Society's Technical Achievement Award at the IEEE Board of Governors Meeting in Portland, USA, (November 1999).
- Visited Singapore to attend the High Performance Computing Asia 98 Conference, to deliver seminar at the National University of Singapore, University of Putra, Kuala Lumpur; Penang Skill Development Centre, Penang to deliver seminars (September 98).
- Visited the Maui High Performance Computing Centre, Maui, Hawaii, USA; University of Hawaii, Honolulu, National University of Singapore, and attended Asia and South Pacific Design Automation Conference with EDA Techno Fair '98, Yokohama, Japan (February 98).
- Visited Sung Kyun Kwan University, Ajou University in Seoul, Korea; Beijing University of Aeronautics and Astronautics, Institute of Computational Mathematics and Science Engineering Computing, Chinese Academy of Sciences in Beijing, China (May 97).
- Visited Maui High Performance Computing Centre in Hawaii, Aizu University, Waseda University, NTT LSI Labs, and Toshiba in Tokyo; University of Hong Kong and Hong Kong University of Science and Technology, Cirksys Technology Ltd in Hong Kong (July 96).
- Visited Laboratoire MASI, University of Paris, France, University of North Texas Denton, Dallas, USA, Cambridge University and Oxford University, UK (1993).
- Visited University of California Irvine, University of Southern California, University of California Los Angeles, Texas A & M University, University of Florida Gainesville, University of North Carolina Raleigh, University of Oklahoma, Laboratoire MASI, University of Paris, France, University of Massachusetts Amherst, Georgia Institute of Technology, Monash University, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia (1992)
- Visited IEEE Sections of Brisbane, Auckland, Melbourne, Adelaide, and Singapore as ~~first~~ IEEE Region 10 Distinguished Lecturer for 1990; Asian Institute of Technology, Bangkok; University of Melbourne; University of Waikato, New Zealand; National University of Singapore; Monash University, and Crisholm Institute of Technology, Australia; Chulalongkorn University, Bangkok; James Cook University of North Queensland, Townsville, Australia (1990).
- Visited University of Illinois, Urbana; Oakland University, Detroit; General Motors, Detroit; University of Windsor, Canada; Rutgers University, New York; State University of New York, Buffalo; University of Massachusetts, Amherst; NASA Ames Research Laboratory, California; IBM Thomas J Watson Research Laboratory, New York; and The Ohio State University, Columbus; all in U.S.A. (1989).
- Visited Jozef Stefan Institute, Edvard Kardelj University Ljubljana, Yugoslavia; Hungarian Academy of Sciences Budapest Hungary, and ETH Zurich Switzerland, as part of an Academic Exchange Programme of the Indian National Science Academy (1987).

Significant Continuing Education Programmes Organised and/or Taught

1. Software Engineering
2. Computer Graphics
3. Computer Organization and Architecture
4. System Design for Computer-Aided Automation
5. Design of Microprocessor-Based Systems
6. Hybrid Computation and Simulation
7. Introduction to Microprocessors
8. Digital System Design
9. Computer Networks
10. CAD of Printed Circuit Boards
11. Computer Graphics and PCs
12. Advanced Microprocessor Systems

Laboratory Development Activities

Directed the development of Instrumentation, Digital Systems, Microprocessors and Hybrid Computer laboratories.

Service to the Profession

Membership of other Technical Committees

A. International

- PhD Thesis Examiner, University of Malaya, Kuala Lumpur, Malaysia, September 2015.
- Member, International Advisory Board, 4th International Symposium on Computational Business Intelligence (ISCBI16), Olten, Switzerland, Sep 5-7, 2016.
- Member, Editorial Board, International Journal of Cognitive Biometric, Inderscience Publishers.
- Member, IETE Journal of Education, Published by Taylor and Francis.
- Advisory Board Member and keynote Speaker, international Conference on Advanced Computing and Intelligent Engineering (ICACIE-2016), C V Raman College of Engineering, Bhubaneswar, 21-23 Dec 2016.
- Honorary Advisory Chair, International Conference on Computational Intelligence in Data Mining (ICCIDM-2015), Bhubaneswar, 5-6 Dec 2015.
- Member CSIR Engineering Sciences Committee.
- Member Technical Committee IEEE Advanced Information Technology Electronics and Automation Conference, (IAEAC 2015), Chongqing, China 19-20 Dec 2015.
- General Chair, International Conference on Emerging Trends in Electrical Communication and Information Technologies 20-22 Dec 2015, Sri Ramanujan Institute of Technology, Ananthpuram, Andhra Pradesh.
- General Chair, 9th International Conference on Advanced Computing and Communication Technologies, 27-29 Nov 2015, Asia Pacific Institute of Technology, Panipat.
- Member Technical Advisory Committee, Siksha Anusandhan, Bhubaneswar.
- Member Advisory Committee Third International Conference on Emerging Research in Computing Information Communication and Applications (ERICA 2015), 31st July – 1 Aug 2015.
- Honorary Advisory Chair, International Conference on Computational Intelligence in Data Mining (ICCIDM - 2015), Bhubaneswar, Odisha, Dec 26-27, 2015.
- Session Chair, Regional Conference of Young Scientists on Nano Science and Nano Technology, 18-20 Feb 2015, JNCASR, TWAS.
- Member International Advisory Board, 3rd International Symposium on Computational and Business Intelligence (ISCBO 15), 7-8 Dec 2015, Bali, Indonesia.
- Member Technical Program Committee Track on “Power Aware Design”, 29th International Conference on VLSI Design and 15th International Conference on Embedded Systems, 4-8 Jan 2016, Kolkata.
- Member Selection Committee University of Agricultural Sciences, Dharwad, 26-27 June 2015.
- Member Selection Committee, Deptt of Computer Science, Central University, Punjab, 1st July 2015.
- Member Research Advisory Board, SRM University, Chennai.
- Reviewer, Research Grants Council (RGC), Hong Kong.
- Member International Board of Editors, IETE Journal of Education, Published by Taylor & Francis.
- Auditors, TEQIP Project, TKM College of Engineering, Quilon.
- Chair, Discussion Meeting, National Institute of Advanced Studies, 20 May 2015.
- Member, Academic Advisory Committee of TEAM TECH (Total Engineering, Analysis and Manufacturing Technologies) 2006, 2007, 2008, 2009, International Conference and Exhibition.
- Member Program Committee of E-Science 2006, Amsterdam, December 4-6, 2006.
- Member, Technical Committee of FUSION 2006, Florence, Italy.
- PC-Member, HPC and Computer Architecture Conference, Brazil, 2005.
- General Chair, Third International Conference on Innovative Applications of Information Technology for Developing World, Asian Applied Computing Conference (AACC), Kathmandu, Nepal December 10-12, 2005.
- General Chair, Third International Conference on Intelligent Sensing and Information Processing, Bangalore, December 2005.
- General Chair, Twelfth International Conference on Advanced Computing and Communication, Ahmedabad, December 2004.
- General Chair, Asian Applied Computing Conference, Kathmandu, October 2004.
- Member, Program Committee, Second Workshop on High Performance Grid Computing (HPGC'05), Denver, Colorado, USA, April 2005.
- Member, The Shared Hierarchical Academic Research Computing Network (SHARCNET) High Performance Computing Strategic Council, Canada, 2003.

- Member, International Advisory Committee, International Conference on Intelligent Sensing and Information Processing, Chennai, 4-7 January, 2004.
- Member, Programme Committee, International Conference on Recent Trends and New Directions of Research in Cybernetics and Systems Theory, Guwahati, 1-3 Jan, 2004.
- Member, International Advisory Committee, International Conference on Recent Trends and New Directions of Research in Cybernetics and Systems Theory, Guwahati, 1-3 Jan, 2004.
- Member, Programming Committee, 4th International Workshop on Grid Computing (Grid 2003), Phoenix, Arizona, 17 Nov, 2003.
- Member, International Advisory Board, International Twelfth Turkish Symposium on Artificial Intelligence and Neural Networks, Turkey, July 2003.
- Member, Advisory Committee, International Conference on Communication and Broadband Networking (ICBN) - ATM Interact Symposium, 2003.
- Member, International program Committee, International Conference in Manufacturing Excellence 2003, Melbourne, Australia, 20-22 Oct, 2003.
- Member, International Advisory Committee, Eleventh International Conference on Neural Information Processing, 2003.
- Member, International Advisory Committee, HPC Asia, 2002.
- Member, International Advisory Board and Technical Programme Committee, Canakkale Onsekiz Mart University, Canakkale, Turkey, 2002.
- Member, Program Committee, SIPS 2001.
- Member, Program Committee, Grid 2001, International Workshop on Grid Computing, Denver, Colorado, USA, November 2001.
- Reviewer, Research Proposals, Research Grants Council, University Grants Committee, Hong Kong and CSIRO, Australia.
- Member, Executive Committee, Youth Forum in Computer Science and Engineering (YUFORIC) Task Force, IEEE Computer Society, 1998-1999, Engineering Standards Group.
- International Advisory Committee, Special Interest Group on Artificial Neural Networks and Expert Systems, New Zealand Computer Society.
- Member, IEEE Fellowship Evaluation Committee, IEEE Computer Society, 1994.
- Member, Executive Committee and Coordinator, ASIA-PACIFIC RIM, IEEE Technical Committee on Parallel Processing, 1993, 1995-1998.
- Member, Technical Committee, IEEE Circuits and Systems VLSI Systems and Application Technical Committee.
- Member, Indo-U.S. Forum for Cooperative Research and Technology Transfer (IFCRTT).
- Reviewer for IEEE Transactions on Computers, IEEE Transactions on Software Engineering, IEEE Transactions on Knowledge and Data Engineering, IEEE Transactions on Circuits and Systems, IEEE Computer, Journal of Parallel and Distributed Computing, The Computer Journal, Proceedings of the IEE, Journal of Microcomputer Applications, Microprocessors and Microsystems, Euromicro 1988 Conference, Eighth International Conference on Applied Algebra, Algebraic Algorithms and Error Correcting Codes, IEEE International Conference on Computers, Systems and Signal Processing, Conference on Foundations of Software Technology and Theoretical Computer Science, IFIP/CSI Conference on CAD/CAM/CAE for Industrial Applications.
- Member, Technical Resource Experts, IEEE Standards Evolutionary Computation Working Group.

B. Domestic (upto 2010 only)

- Senate Member, University of Pune, 2010.
- Chairman, 'International Conference on Quality Higher Education in Basic Sciences', Zaheer's Science Foundation, New Delhi, 2010.
- Member, Dr. Dara P Antia Memorial Lecture Series Committee, Indian Institute of Metals, Pune, 2010.
- Member, Research & Recognition Committee (Computer Studies Department), Symbiosis International, Deemed University, Pune, 2010.

- Chairman, AICTE South Central Regional Committee, 2010.
- Member, Advisory Committee, Symbiosis College of Information Technology, Pune, 2010.
- Member, National Advisory Committee for Restructuring of Academic Programme in Educational Sciences, NIT, Rourkela, 2009, 2010.
- Member, Selection Committee for Recruitment, IIT Ropar, Rupnagar, Punjab, 2010.
- Member, HR Consultative Body, DRDO HQ, New Delhi, 2009, 2010.
- Member, Academic Advisory Committee, IIT, Bhubaneswar, 2009, 2010.
- Member, AICTE/NBA Engineering Accreditation Committee, 2009, 2010.
- Member, Inter-Academy Advisory Panel for DST's "Innovation in Science Pursuit for Inspired Research (INSPIRE) Programme, 2009, 2010.
- Member/Visitor's Nominee, Selection Committee for Professors, Aligarh Muslim University, Delhi, 2009, 2010.
- MHRD Nominated Evaluator, National Project Implementation Unit, NOIDA, 2009, 2010.
- Member, Board of Governors, NIT, Durgapur, 2009, 2010.
- Member, Governing Council, NITTE Meenakshi Institute of Technology, 2005-2010.
- Member, Board of Governors, Fourth Annual Convocation of the National Institute of Technology, Durgapur, 2008, 2009, 2010
- Member, Subject Expert Committee on Engineering Sciences of FIST Program, DST, 2009.
- Member, National Board of Accreditation, 2008, 2009.
- Member, HR Council, RAC, DRDO, 2008, 2009.
- Member/Visitor's Nominee, Selection Committee for Professors, IIT, Kharagpur, 2009.
- Member/Visitor's Nominee, Selection Committee for Professors, IIT, Roorkee, 2009.
- Member, Prof. Yash Pal Committee for Higher Education, 2008, 2009.
- Member, Planning Commission, Higher Education, 2009.
- Chairman, Expert Committee, National Board of Accreditation, Birla Institute of Technology, Mesra, Ranchi, 17-20 Oct, 2008.
- Member, UGC/AICTE Review Committee, 2008-09, New Delhi
- Member, Academic Council, National Institute of Technical Teachers' Training & Research, Chandigarh, 2008.
- Member, Society of National Brain Research Centre, New Delhi, 2008.
- Member, FIST Program – 2008, Indian National Science Academy, New Delhi, 2008.
- Member, Committee on Engineering Sciences for selecting candidates for Swarnajayanti Fellowship, Department of Science & Technology, Government of India.
- Member, State Council on Science & Technology, Orissa.
- Member, Governing Body of Orissa Computer Application Centre (OCAC), Bhubneshwar, 2007-08.
- Member, Expert Committee on Engineering Sciences, Department of Science & Technology, New Delhi, 2007, 08, 09.
- Member, Governing Body of International Institute of Information Technology, Bhubneshwar, 2007, 08, 09.
- Member, FIST Program – 2006, Second Meeting for Presentation of the Screened & Evaluated new Proposals under Engineering Sciences Area, Indian National Science Academy, New Delhi, 19-20 Sep, 2006.
- Chairman, Expert Committee on Ubiquitous Computing Research Initiative, Department of Information Technology, New Delhi, 2006.
- Member, UGC Expert Committee for granting Deemed University status to Symbiosis Institute of Computer Studies and Research, Pune, 2001.
- Member, Advisory Committee, National Conference on Recent Advancements in Information Technology, Sri Ramakrishna Engineering College, Coimbatore, Tamilnadu, Feb 9-10, 2007.
- Member, Academic Advisory Council, IEC College of Engineering and Technology, Lucknow.
- Member, Governing Council, Kuppam Engineering College, Andhra Pradesh, Mar 25, 2006.

- Mentor and Auditor, World Bank Project on Technical Education Quality Improvement Programme.
- Steering Committee Chair, Thirteenth International Conference on Advanced Computing and Communications ADCOM 2005, Amrita Vishva Vidyapeetham, Coimbatore, (Tamil Nadu) Dec 14-17.
- Member, Advisory Board, Invited Speaker, National Conference on Modern Trends in Information and Communication Technology, Mullana, Ambala, Haryana, October 2005.
- Convener, One Day Workshop on Use of Kannada in Information Technology, Bangalore, July 2005.
- Technical Program Chair, Two-Day Seminar on Emerging Trends and Challenges in Technical Education, Bangalore, November 2004.
- Member, Engineering Sciences research Committee, CSIR (Council of Scientific and Industrial Research).
- Member, panel of Experts, Research Council, Regional Research Laboratory, Council of Scientific & Industrial Research, Jorhat, Assam, 2004-2006.
- Member, Academic Council, National Institute of Technical Teachers Training, Chandigarh.
- Member, Council, Indian National Science Academy, 2004-2006.
- Member, Special Committee, School of Computer and Systems Sciences, Jawaharlal Nehru University, New Delhi, 2003-2006.
- Member, Research Council, National Aerospace Laboratories, 2001-2004.
- Member, Visiting Committee, University of Mysore, 2003.
- Member, International Advisory Committee and Program Committee, International Conference on Recent Trends and New Directions of Research in Cybernetics and Systems Theory, 2003.
- Member, Steering Committee on Ubiquitous Computing, Department of Information Technology, Software Development Division, 2003.
- Visitor's Nominee, Selection Committees for IIT Madras, Guwahati, Roorkee, and Delhi, 2000-2003.
- Member, Standing Purchase Committee for South Western Regional Office, AICTE, 2001. Member, Committee of Karnataka State Centre of the Institution of Engineers (India), Computer Engineering Division, 2000-2004.
- Member, Academic Sub-Committee, All India Institute of Speech and Hearing, 2000.
- Member, Sectorial Committee for Computer Science and IT for the National Board of Accreditation (NBA).
- Member, Governing Council and Steering Committee, CDAC.
- Member, Board of Directors, Leo Infotech (P) Ltd., Bangalore.
- Member, VLSI R&D Advisory Committee, Semiconductor Complex Ltd., Chandigarh.
- Member, Governing Council, ITI Ltd.
- Member, Governing Council, Indian National Academy of Engineering, 2001-2002.
- Member, Academic Council, Advanced Training Institute for Information Technology Pvt. Ltd., Madras.
- Member, Academic Sub-Committee, All India Institute of Speech and Hearing, Mysore, Ministry of Health and Family Welfare, Govt. of India.
- Member, Fellowship Scrutiny Committee, Physical Sciences for the year 2000, The National Academy of Sciences, India
- Distinguished Expert, The Mahindra Institute of Software Engineering and Management, Pune.
- Member, Sectional Committee, Indian National Academy of Engineering, 1996-98.
- Member, Council, Indian National Academy of Engineering, 1999-2000.
- Member, Academic Advisory Council, entranceguru.com Private Limited, Chennai.
- Member, Executive Board, BPL Innovision, Bangalore.
- Honorary Advisor, M S Ramaiah School of Advanced Studies, Bangalore.
- Member, Task Force for Computer Education Programme Expansion in Karnataka.
- Member, Executive Board, BPL Telecom Limited, Bangalore.
- Member, Board of Directors, Federal Technologies Ltd., Bangalore.
- Member, Senate (Academic Committee), Indian Institute of Information Technology, Allahabad.
- Member, Governing Body, National Brain Research Centre (NBRC), New Delhi.
- Member, Computer Engineering Division, The Institution of Engineers (India), 1999-2000.
- Honorary Advisor, Gokul Education Foundation.
- Member, Governing Council, Indian National Academy of Engineering.
- Chairman, Board of Governors, Indian Institute of Science and Information Technology, Bhubaneswar.
- Member, Board of Governors, Bhubaneswar Institute of Management and Information Technology

(BIMIT), Bhubaneswar.

- Member, AICTE Inspection Committees for New Engineering Colleges in Tamilnadu and Karnataka.
- Member, Project Advisory Committee (PAC), Integrated Long Term Programme of Cooperation in Science and Technology between India and Russia (ILTP) in the area of COMPUTER AND ELECTRONICS, Dept. of Science and Technology, Government of India.
- Member, Technical Advisory Board, Kalinga Institute of Industrial Technology, Bhubaneswar, Orissa.
- Member, Advisory Committee, Computer and Communication Sciences Division, Indian Statistical Institute, Calcutta, India.
- Member, Technical Committee, Eleventh Indian Engineering Congress, Bangalore, Dec 96.
- Member, Advisory Committee, National Seminar on High Performance Systems, May 1995, India.
- Member, Peer Review Committee in Life Sciences, University of Pune
- Member, Review Committee, Computer Science and Engineering Programs, Indian Institute of Technology, New Delhi
- Member, Undergraduate Board of Studies in Computer Engineering, Mangalore University, Mangalore, India
- Member, Board of Studies in Computer Science and Engineering, Government College of Technology, Coimbatore, India
- Member, Academic Council, University of Hyderabad, India
- Member, Management Advisory Committee for the Young Scientists Programme, Department of Science and Technology, Government of India
- Member, Steering Committee on Neurosciences, Department of Biotechnology, Government of India.
- Member, Project Review and Steering Group (PRSG) for the Technology Mission Programme Project on “Design and Development of an Advanced Communications Co-Processor”, C-DAC, Pune
- Chairman, Selection Committee for the selection of the awardees of Senior Research Fellowship and Research Associateship in Engineering, Council of Scientific and Industrial Research (CSIR), Government of India.
- Member, Scientific Council, ASTROVED CENTER: Astrophysics, Space, Solar & Vedic Studies Center, Jaipur.
- Member, National Advisory Committee, Rajiv Gandhi National University of Computer Science, New Delhi.
- Member, Review Committee, On-board Computer Configurations for Launch Vehicles, Vikram Sarabhai Space Centre, Thiruvantapuram, India.
- Member, Standing Advisory Committee, Integrated Review of all the Masters level Programme in the area of Computer Science & Engineering, Computer Technology and Computer Applications.
- Member, Advisory Board, Tata Unisys Ltd. Education Services Activity.
- Member, State Council on Science and Technology, Government of Orissa.
- Chairman, Executive Committee, Indian Transputer Users’ Group (ITUG).
- Member, Asian Subcommittee, ACM Multimedia ’93 Symposium.
- General Chairman, CDAC’s Assessment Committee of their Staff Members in the Member Technical Staff Category.
- Member, Standing Advisory Committee, Computer Science, Cochin University of Science and Technology.
- Member, Governing Body, Orissa Computer Application Centre, Bhubaneswar.
- University Representative, Planning and Evaluation Committee, Coimbatore Institute of Technology, Bharathiar University, Coimbatore.
- Member, Engineering Sciences Research Committee, Council of Scientific and Industrial Research (CSIR), Government of India.
- Member, Expert Committee, Foreman Training Institute, Ministry of Labour, Government of India.
- Member, Panel of Experts, Indian National Scientific Documentation Centre, New Delhi.
- Member, Technical Advisory Committee, Centre for Development of Electronic Systems, CSIR, Madras.
- Convenor, Accreditation Committee set by the Department of Electronics, Government of India, for Review of Computer Science Curricula in Various Private Institutions in India.
- Member, Technology Development in Indian Languages, Department of Electronics, Government of India, New Delhi.

- Member, Technical Advisory Committee for the Appropriate Automation Promotion Programme Centres, Department of Electronics, Government of India, New Delhi.
- Member, Academic Council, Lan Eseda Computer Centre, Bangalore.
- Member, Expert Committee for the Examination Unit of Joint CSIR-UGC Examination.
- Member, Technical Panel on Photonics Computing, Department of Electronics, Government of India, New Delhi.
- Member, Information and Computer Science Research Committee, The Council of Scientific and Industrial Research.
- Member, Advisory Committee, VLSI Design Centre, Semiconductor Complex Ltd., Bangalore.
- Convener, Institutional Networking Project on Microprocessor-Based System Design, funded by the Ministry of Human Resources Development, Government of India, at the Regional Engineering College, Hazratbal, Srinagar.
- Convener, Institutional Networking Project on Computer Networks, funded by the Ministry of Human Resources Development, Government of India, at the Jawaharlal Nehru Technological University, Hyderabad.
- Reviewer for Defence Science Journal, Journal of the Indian Institute of Science, Journal of the Institution of Electronics and Telecommunications Engineers, CSI Journal 'Computer Science and Informatics', National Conference on Machines and Mechanisms.
- Member, Working Group on Parallel Computing - Technology Development, Department of Electronics, Government of India.
- Member, Review group for the Parallel Processing Project at the Centre for Development of Telematics (CDOT).
- Member, Review Committee for the Centre for Development of Advanced Computing's project on Architecture I Target Machine.
- Member, University Grants Commission's Expert Committee to review Computer Science and Technology programmes in the Indian Universities.
- Member, Technical Advisory Committee for the Microprocessor Engineering Applications Centre set up by UNDP and Department of Electronics, Government of India, at the Steel Authority of India Limited, Ranchi.
- Member, Programme Committee for the Computer Aided Design centre set up by UNIDO and Department of Electronics, Government of India, at the Indian Institute of Science.
- Associate Coordinator for the above CAD centre.
- Member, Programme Committee for the Centre for Microprocessor Applications set up by the Ministry of Education, Government of India, at the Indian Institute of Science (till November 1983).
- Member, Selection Committees at ISRO Satellite Applications Centre, National Institute for Mental Health and Neurosciences, Centre for Development of Telematics, Union Public Service Commission, Defence Research and Development Organization, Bharat Electronics Limited, and Banaras Hindu University, Orissa University of Agriculture and Technology and Indian Institutes of Technology at Kanpur, Madras, and Bombay.
- Member, Executive Committee for the DEC 1090 Central Computing facility of the Indian Institute of Science, 1982-84.
- Member, Organizing Committee for the Continuing Education Programme on Software Engineering.
- Guest faculty member at Texas Instruments India Ltd, Regional Engineering College, Rourkela, Steel Authority of India Ltd., Wipro Systems Ltd., Hindustan Aeronautics Ltd., Department of Space, National Productivity Council, Power System Training Institute, Indian Institutes of Technology, Bharat Heavy Electricals Ltd. and Institution of Electronics and Telecommunications Engineers; in the areas of Computer Graphics, Parallel and Distributed Computing Systems, Artificial Intelligence, CAD CAM, Personal Computers and Database Management Systems.
- External Examiner for Sambalpur, Madras, Mysore and Andhra Universities, Indian Institutes of Technology, Delhi, Bombay, Madras, and Kharagpur, and Indian Institute of Management, Calcutta.
- Member, Research students' selection committees, Staff selection committees, computer procurement committees and curriculum development committees for Computer Science and Engineering, at the Indian Institute of Science.
- In-Charge, Central Hybrid Computing Facility, Indian Institute of Science, Bangalore, during 1980-

1982.

- Member, Advisory Committee for the M.Sc. Computer Science Programme of the Madurai Kamaraj University.
- Member, Library Committee, Indian Institute of Science, Bangalore.
- Chairman, Study Board in Computer Science, Kerala University.
- Member, Special Committee, School of Computer and Systems Sciences, Jawaharlal Nehru University, New Delhi.

LIST OF PUBLICATIONS

PROF. LM PATNAIK

International Journals

1.	Sejal Desai, Vinuth Chandrasheker, Vijay Mathapati, Venugopal K Rajuk, Sundaraja S Iyengar, Lalit M Patnaik, "User Feedback Session with Clicked and Unclicked Documents for Related Search Recommendation", IADIS International Journal on Computer Science and Information Systems, ISSN : 1646-3692, vol. 11, no. 1, pp. 81-98, 2016.
2.	Sejal D, Shailesh K G, Tejaswi V, Dinesh Anvekar, Venugopal K R, S S Iyengar, and L M Patnaik, "Query Recommendation based on Query Relevance Graph", Transactions on Machine Learning and Data Mining, ibai-publishing, Germany, ISSN: 1865-6781, ISBN: 879-3-942952-41-5, vol. 9, no. 1, pp. 3-26, 2016.
3.	S Raghavendra, C M Geeta, Rajkumar Buyya, K R Venugopal, S S Iyengar, and L M Patnaik. "DRSMS: Domain and Range Specific Multi-Keyword Search over Encrypted Cloud Data", in International Journal of Computer Science and Information Security (IJCSIS), vol. 14, no. 5, May 2016. (Accepted and listed in Thomson Reuters) ISSN: 1947 5500
4.	S Raghavendra, Nithyashree K, C M Geeta, Rajkumar Buyya, K R Venugopal, S S Iyengar, and L M Patnaik. "RSSMSO Rapid Similarity Search on Metric Space Object Stored in Cloud Environment" in International Journal of Organizational and Collective Intelligence (IJOI), IGI-Global Publisher, USA, vol. 6, no. 3, pp. 32-47, 2016. (Accepted and listed in ACM Digital Library) ISSN: 1947-9344, EISSN: 1947-9352
5.	S Raghavendra, Doddabasappa P A, C M Geeta, Rajkumar Buyya, K R Venugopal, S S Iyengar, and L M Patnaik, "Secure Multi-Keyword Search and Multi-User Access Control over an Encrypted Cloud Data" in International Journal of Information Processing(IJIP), vol. 10, no.2, 2016.(Accepted) ISSN: 0973-8215
6.	G Prathima E, Shiv Prakash T, Venugopal K R, S S Iyengar, L M Patnaik. "SAAQ : Secure Aggregation for Approximate Queries in Wireless Sensor Networks", In International Journal of Information Processing, 10(1):115-127, ISSN: 0973-8215, 2016
7.	Sejal D, Kamalakant T, Dinesh Anvekar, Venugopal K R, S S Iyengar, L M Patnaik, "Webpage Recommendation by Calculating Average Visiting Time on Webpages", International Journal of Information Processing, IK International Publishing House Pvt. Ltd. New Delhi, India, ISSN : 0973-8215, vol. 9, no. 3, pp. 117-127, 2015
8.	Sunita V Dhavale,Rajendra S Deodhar,Debasish Pradhan and L M Patnaik, A Robust Zero Watermarking Algorithm for Stereo Audio Signals, International Journal of Information and Computer Security, Inderscience Publishers
9.	Poornima G, Vinod, K Suresh Babu, K B Raja, K R Venugopal, and L M Patnaik, "Graded Reliance Based Routing Scheme for Wireless Sensor Networks," International Journal of Communication Technology for Social Networking Services, ISSN: 2287-8467, vol. 3, no. 2, pp. 1-16, May 2015.
10.	Arunalatha J S, Suvarna C, Venugopal K R, L M Patnaik, "FCHE: Face Classification using Histogram Equalization," International Journal of Advanced Computational Engineering and Networking, e-ISSN: 2321-2063, p-ISSN:2320-2106, vol. 3, no. 5, pp. 82-87, May 2015.
11.	Kumaraswamy M, Shaila K, Tejaswi V, Venugopal K R, S S Iyengar and L M Patnaik, "Multihop Multi-Channel Distributed QoS Scheduling MAC Scheme for Wireless Sensor Networks", IOSR Journal of Computer Engineering (IOSR-JCE), e-ISSN: 2278-0661, p-ISSN: 2278-8727, vol. 17, no. 2, pp.01-10, April 2015.
12.	S Kumaraswamy, Manjula S H, K R Venugopal, L M Patnaik, "P ² DM-RGCD: PPDM Centric Classification Rule Generation Scheme", In Global Journal of Computer Science and Technology (GJCST), USA, Online ISSN: 0975-4172 Print ISSN: 0975-4350, vol. 15, no. 2, pp. 1-9, March-2015.
13.	Lata B T, Vidya Rao, Sivasankari H, Shaila K, Venugopal K R, L M Patnaik, "SEAD: Source Encrypted Authentic Data for Wireless Sensor Networks", International Journal of Engineering Research and Development (IJERD), e-ISSN : 2278-067X, p-ISSN : 2278-800X, vol. 11, no. 3, pp. 1-16, March 2015.

14.	Bhavya S, Shaila K, Venugopal K R and L M Patnaik, "A Study on Issues and Challenges to Achieve Better QoS in Wireless Sensor Networks", International Journal of Engineering Sciences and Research Technology (IJESRT), ISSN: 2277-9655, vol. 4, no. 3, pp. 308-317, March 2015.
15.	Arunalatha J S, Rangaswamy Y, Tejaswi V, Shaila K, Raja K B, Dinesh Anvekar, Venugopal K R, S S Iyengar, L M Patnaik, "IRDO: Iris Recognition by fusion of DTCWT and OLBP," International Journal of Engineering Research and Application, ISSN 2248-9622, 5(3), (Part -1): 20-31, March 2015.
16.	B S Shruthi, Shaila K, Venugopal K R and L M Patnaik, "The Paradigm of Major Issues and Challenges in Wireless Sensor Networks", International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), ISSN:2277-128X, vol. 5, no. 3, pp. 601-609, March 2015.
17.	Prabha R, Prashanth Kumar Gouda, Manjula S H, K R Venugopal and L M Patnaik, "MTADF: Multi hop Traffic Aware Data Forwarding for Congestion Control in Wireless Sensor Networks", International Journal of Wireless and Mobile Networks, ISSN: 0975-4579, vol. 7, no. 1, pp. 107-118, February 2015.
18.	Pushpa C N, Arpit Singh Baghel, Thriveni J, Venugopal K R and L M Patnaik, "Taxi Passenger Recommendation System", International Journal of Computer Applications (IJCA) ISSN: 2250-1797, vol. 5 no. 1, pp. 71-83, February 2015.
19.	Lata B T, Raghavendra M, Sumukha T V, Suhas H, Tejaswi V, Shaila K, Venugopal K R, L M Patnaik, "RFSD:Restricted Flooding for Secure Data-aggregation in Wireless Sensor Networks", International Journal of Computer Engineering and Applications (IJCEA), vol. 9, no. 2, pp. 1-15, February 2015.
20.	Manjunath swamy B E, Appaji M Abhishek, Thriveni J, Venugopal K R, L M Patnaik, "Multimodal Biometric Authentication using ECG and Fingerprint", International Journal of Computer Applications, IJCA, vol. 111, no. 13, February 2015.
21.	Abhilash C N, Chandan A S, Manjula S H, Venugopal K R, Patnaik L M, "A Progressive Approach to Enhance Lifetime for Barrier Coverage in Wireless Sensor Network", International Journal of Innovative Research in Computer and Communication Engineering, ISSN : 2320-9801, vol. 3, no. 1, pp. 471-475, February 2015.
22.	Arunalatha J S, Prashanth C R, Tejaswi V, Shaila K, Raja K B, Dinesh Anvekar, Venugopal K R, S S Iyengar, L M Patnaik, "OSPCV: Off-line Signature Verification using Principal Component Variances," IOSR Journal of Computer Engineering (IOSR-JCE), e-ISSN 2278-0661, p-ISSN 2278-8727, vol. 17 no. 1, v. 5, pp. 08-23, January – February 2015
23.	Arunalatha J S, Rramachandra A C, Tejaswi V, Shaila K, Raja K B, Dinesh Anvekar, Venugopal K R, S S Iyengar, L M Patnaik, "FRWCT: Face Recognition using Wrapping Curvelet Transform," International Journal of Computer Application, ISSN 2250-1797, 5(1):108-128, January – February 2015.
24.	Tanuja R, S H Manjula, K R Venugopal, L M Patnaik, "Secure and Privacy Preserving Data Centric Sensor Networks with Multi-Query Optimization", International Journal of Research in Engineering and Technology IJRET, e-ISSN : 2319-1163, p-ISSN : 2321-7308, vol. 4, no. 1, pp. 247-254, January 2015.
25.	Prabha R, Krishnaveni M, Manjula S H, K R Venugopal and L M Patnaik, "TAEER: Trust Aware Energy Efficient Routing in Wireless Sensor Networks", International Journal of Innovative Science and Modern Engineering (IJISME), ISSN: 2319-6386, vol. 3, no. 4, January 2015.
26.	G Sunilkumar, Manjunatha C, Thriveni J, Venugopal K R and L M Patnaik, "Reinforcement Based Cognitive Algorithms to Detect Malicious Node in Wireless Networks", International Journal of Computer Applications, ISSN 0975-8887, vol. 109, no.16, pp 29-34, January 2015.
27.	Lata B T, Raghavendra M, Sumukha T V, Suhas H, Tejaswi V, Shaila K, Venugopal K R, L M Patnaik, "DRFSD: Directed Restricted Flooding for Secure Data-aggregation in Wireless Sensor Networks," International Journal of Advances in Electronics and Computer Science (IJAECS), , ISSN (p):2393-2835, vol. 2, no. 1, pp. 1-6, January 2015.
28.	G Sunilkumar, Thriveni J, Venugopal K R and L M Patnaik, "A Novel Approach to Detect Malicious User Node by Cognition in Heterogeneous Wireless Networks", Global Journal of Computer Science and Technology (E), ISSN 0975-4172, vol. 14, no. 2, pp. 29-44, 2015..
29.	Yamuna Devi C R, Saishiva K, Sunil Kumar, S H Manjula, K R Venugopal, L M Patnaik, "Trust-Based Hierarchical Routing Protocol for Wireless Sensor Networks", International Journal of Information Processing (IJIP), ISSN: 0973 - 8215, vol. 9, No 1, pp. 101-112, 2015.
30.	MJ. Nene, RS Deodhar and LM Patnaik, Algorithm for Autonomous Reorganization of Mobile Wireless Camera Sensor Networks to Maximize Coverage, To appear in IEEE Sensors Journal. Vol. 15, No. 8 (2015), 4428-4441.
31.	Prabha R, Shivaraj Karki, Manjula S H, K R Venugopal and L M Patnaik, "Quality of Service for Differentiated Traffic Using Multipath in Wireless Sensor Networks", International Journal of Inventive Engineering and Sciences (IJIES), ISSN: 2319-9598, vol. 3, no. 1, December 2014.

32.	MJ. Nene, R S Deodhar and LM Patnaik, DP-UREA: An Algorithm for Autonomous Reorganization of Mobile Sensor Nodes to Improve Coverage, International Journal of Computer Science Issues, Vol 11, No. 7 (2014) pp. 210-219.
33.	Sunita V. Dhavale, Rajendra S. Deodhar, Debasish Pradhan and L. M. Patnaik, "State Transition Based Embedding in Cepstrum Domain for Audio Copyright Protection", IETE Journal of Research, 2014, Taylor and Francis publisher. Vol 61, No.1 (2015) pp 41-55.
34.	B M Thippeswamy, Reshma S, Shaila K, Tejaswi V, Venugopal K R, S S Iyengar, L M, Patnaik, EEHCR: Energy Efficient Hierarchical Cluster Routing in Wireless Sensor Networks, In International Journal of Information Processing, Vol.8, issue 1, pp.92-106, 2014
35.	Rangaswamy Y, K B Raja, Venugopal K. R, L M Patnaik, "An OLBP Based Transform Domain Face Recognition," International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, vol. 3, no. 1, pp. 6851-6868, 2014.
36.	Vidya A, Manohar V, Shwetha V P, Venugopal K R and Patnaik L M, "CFS with Combined Search Methods for Dimensionality Reduction in Classifying Aging and Not-aging related DNA Repair Genes", International Journal of Computational Intelligence Research, ISSN 0973-1873, 10(1): 1-15, 2014.
37.	Sunita V. Dhavale, Rajendra S. Deodhar, Debasish Pradhan and L. M. Patnaik, "Fuzzy Logic based Adaptive Quantization Index Modulation for Watermarking", International Journal of Image, Graphics and Signal Processing (IJIGSP), Mecs Publisher, Hong Kong, 2014, Vol. 6, No.3(2014), pp. 1-11.
38.	Sunita V. Dhavale, Rajendra S. Deodhar and L. M. Patnaik, "Lossless Audio Watermarking based on the Alpha Statistic Modulation", International journal of Multimedia Applications, (IJMA), August 2012, Vol.4, No.4, (2012) pp. 109-119.
39.	Asha S Manek, P Deepa Shenoy, M Chandra Mohan, K R Venugopal, L M Patnaik, "RePC-SSMSM: Repetitive Preprocessing and Clustering Approach for Filtering Spam SMS Messages using Naïve Bayes Classifier", International Journal of Information Processing, 8(4), pp 68-78, 2014.
40.	Shiva Prakash T, Raja K B, Venugopal K R, S S Iyengar, L M Patnaik, "Real-Time Link Reliability Routing for QoS in Wireless Sensor Networks", IOSR Journal of Computer Engineering (IOSR-JCE), vol. 16, Issue:1(7), pp. 5-16, 2014.
41.	Pushpa C N, Shankar R, Thriveni J, Venugopal K R and L M Patnaik, "EMET : Extracting Metadata using Element Tree to Recommend Tags for Web Contents" International Journal of Computer Science and Information Technology (IJCSIT), ISSN:0975-9646, vol. 5 Issue 6, pp. 8170-8177, December 2014.
42.	Lata B T, Jansi P K R, Shaila K, D N Sujatha, Tejaswi V, Venugopal K R, and L M Patnaik, "Secure Routing Using Multiple Domain for Wireless Sensor Networks", In International Journal of Computer Trends and Technology (IJCTT), vol. 13, no. 3, pp. 21-30, July 2014.
43.	Lata B T, Raghavendra M, Tejaswi V, Shaila K, Venugopal K R, S S Iyengar and L M Patnaik, "SSEGR: Secure Single-Copy Energy Efficient Geographical Routing Algorithm in Wireless Sensor Networks", In International Organisation of Scientific Research Journal of Computer Engineering (IOSR-JCE), vol. 16, no. 6, ver. III, pp. 37-49, Nov – Dec 2014.
44.	Arunalatha J S, Suvarna C, Tejaswi V, Shaila K, Raja K B, Dinesh Anvekar, Venugopal K R, S S Iyengar, L M Patnaik, "FRVIWF: Face Recognition using Virtual Images based on Weighted Fusion," International Journal of Information Processing (IJIP), ISSN 0973-8215, 8(4):98-114, December 2014.
45.	Pushpa C N, Thriveni J, Venugopal K R and L M Patnaik, "Web Page Recommendation System using Self Organizing Map Technique", International Journal of Current Engineering and Technology and Systems (IJCET) USA, E-ISSN 2277- 4106, P-ISSN 2347-5161, vol. 4, no. 5, pp. 3270-3277, October 2014
46.	Sunita V. Dhavale, Rajendra S. Deodhar, Debasish Pradhan and L. M. Patnaik, "High Payload Adaptive Audio Watermarking based on Cepstral Feature Modification", International Journal of Information Hiding and Multimedia Signal Processing (JIHMSP), Vol. 5, No. 4,(2014) pp. 586-602, October 2014.
47.	Pushpa C N, Thriveni J, Venugopal K R and L M Patnaik, "Radial Basis Neural Network Technique based Web Page Recommendation System", International Journal of Computer Sciences and Engineering (IJCSE), ISSN : 2347-2693, vol. 2, no. 9, pp. 1-7, September 2014.
48.	Lata B T, Jansi P K R, Shaila K, D N Sujatha, Tejaswi V, Venugopal K R, and L M Patnaik, "Secure Routing Using Multiple Domain for Wireless Sensor Networks", In International Journal of Computer Trends and Technology (IJCTT),), e-ISSN : 2231-5381, p-ISSN : 2349-0829, vol. 13, no. 3, pp. 21-30, July 2014.
49.	D. Annapurna, Tejas N, K.B. Raja, Venugopal K R, "Energy Efficient Multicast Algorithm for an Ad hoc Network," American International Journal of Contemporary Scientific Research, AIJCSR-61, ISSN : 2349-4425, vol. 1 no. 2, pp. 5-15, July 2014.

50.	Yamuna Devi C R, Deepak Sunder, S H Manjula, K R, Venugopal, L M Patnaik, "Multi-hop routing algorithm for Delay reduction and lifetime maximization in wireless sensor networks", International Journal of Research in Engineering and Advanced Technology (IJREAT), ISSN: 2320-8791, vol. 2, issue 3, July 2014.
51.	Yamuna Devi C R, S H Manjula, K R Venugopal, L M Patnaik, "Zone Based Transmissions for Homogeneous Wireless Sensor Networks", International Journal of Engineering Research and Technology (IJERT), ISSN: 2278 - 0181, vol. 3, issue 7, pp. 1194 - 1200, July 2014.
52.	Leena Giri G, Archana Mathur, Manjula S H, Venugopal K R and L M Patnaik, "MA Algorithm to generate Semantic Web Based Clustered Hierarchy for Keyword Search," International Journal on Recent Trends in Engineering & Technology, e-ISSN: 2158-0138, p-ISSN : 2158-012x, vol. 11, no. 1, pp. 222-230, June 2014.
53.	Prabha R, Archana S, S H Manjula, Venugopal K R and L M Patnaik, "EB-VBS: Energy Based Virtual Backbone Scheduling for Wireless Sensor Networks", International Journal of Recent Trends in Engineering and Technology, ACEEE, ISSN : 2158-5563, vol. 11, pp. 335-345, June 2014.
54.	Satish Bhairannawar, Ratan R, Raja K B, Venugopal K R and L M Patnaik, "FPGA Based Efficient Multiplier for Image Processing Applications using Recursive Error Free Mitchell Log Multiplier and KOM Architecture", International Journal of VLSI Design and Communication Systems, e-ISSN : 0976-1357, p-ISSN : 0976-1527, vol. 5, no. 3, pp. 93-114, June 2014.
55.	Kiran K, Lakshmi B S, Priyanka Negi, Ramitha M, Shruthy S, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Analysis of Throughput in Infrastructure based Multi-Radio Network", International Journal of Research in Electronics and Computer Engineering(IJRECE), ISSN: 2348 - 2281, vol. 2, no. 3, pp. 91-99, April-June, 2014.
56.	Vidya A, Venugopal K R and Patnaik L M, "Parallelized Sequence Comparison of Human and Naked Mole Rat for Aging Studies", International Journal of computer Science Issues, P-ISSN 1694-0814, E-ISSN 1694-0814, vol. 11, no. 3, pp. 182-189, May 2014
57.	Bharathi S, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Ensemble PHOG and SIFT Features Extraction Techniques to Classify High Resolution Satellite images", CIIT international Journal of Data mining and Knowledge Engineering, ISSN 0974-9674, Vol 6, No 5, pp. 199-206, May 2014.
58.	Yamuna Devi C R, S H Manjula, K R, Venugopal, L M Patnaik, "Multi-hop Route Discovery Using Opportunistic Routing for Wireless Sensor Networks", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, vol. 3, issue 12, pp. 38-45, May 2014.
59.	Tanuja R, S H Manjula, K R Venugopal, L M Patnaik, "BHnFDIA: Energy Efficient Elimination of Black Hole and False Data Injection Attacks in Wireless Sensor Networks," International Journal of Computer Applications IJCA 2014, DOI 10.5120/16931-6957, ISSN : 0975-887, vol. 96, no. 23, pp. 1-8, May 2014
60.	S Kumaraswamy, Manjula S H, K R Venugopal, L M Patnaik, "A Data Mining Perspective in Privacy Preserving Data Mining Systems", In International Journal of Current Engineering and Technology(IJCET), E-ISSN 2277-4106, P-ISSN 2347-5161, vol. 4, no. 2, pp. 704-717, April 2014.
61.	Kumaraswamy M, Shaila K, Tejaswi V, Venugopal K R, S S Iyengar and L M Patnaik, "QoS Group Based Optimal Retransmission Medium Access Protocol for Wireless Sensor Networks", International Journal of Computer Networks & Communications (IJCNC), DOI: 10.5121/ijcnc.2014.6206, ISSN : 0974-9322, vol. 6, no. 2, pp. 61-77, March 2014.
62.	Kiran K, Nazima Begum, Ramya R, Abhishek Alfred Singh, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Dynamic Traffic Splitting in a Multi-Radio Multi-hop Network", CiiT International Journal of Networking and Communication Engineering, e-ISSN : 0974-9616, p-ISSN : 0974-9713, vol. 6, no. 3, pp. 85-92, March 2014.
63.	Shiva Prakash T, Raja K B and Venugopal K R, "Real-Time Traffic-Differentiated QoS Routing for Wireless Sensor Networks", International Journal of Computer Applications, vol. 87, no.10, pp. 6-13, February 2014.
64.	Shiva Prakash T, Raja K B, Venugopal K R, S S Iyengar, L M Patnaik, "Base Station Controlled Adaptive Clustering for QoS in Wireless Sensor Networks", International Journal of Computer Science and Network Security (IJCSNS), vol. 14, no. 2, pp. 1-9, February 2014.

65.	J S Saleema, N Bhagawathi, S.Monica, P Deepa Shenoy, K R Venugopal and L.M.Patnaik, “Cancer Prognosis Prediction Using Balanced Stratified Sampling”, International Journal on Soft Computing, Artificial Intelligence and Applications (IJSCAI), Vol.3, No. 1, pp 9-18, February 2014.
66.	G Sunilkumar, Thriveni J, K R Venugopal, L M Patnaik, ”Malicious Node Activity Monitoring using Cognition for Homogeneous and Heterogeneous Wireless Networks”, International Journal of Current Engineering and Technology , ISSN : 2277-4106, vol. 4, no.1, pp. 71-76, February 2014.
67.	J S Saleema, P D Shenoy, K R Venugopal, L M Patnaik, “Cancer Prognosis Prediction Model using Data Mining Techniques”, CIIT International Journal of Data Mining and Knowledge Engineering, vol.6, no.1, pp.21-29 Feb 2014.
68.	B M Thippeswamy, Reshma S, Shaila K, Venugopal K R, S S Iyengar, L M Patnaik “EDOCR: Energy Density ON-Demand Cluster Routing in Wireless Sensor Networks” International Journal of Computer Networks & Communications (IJCNC) e-ISSN : 0974-9322, p-ISSN : 0975-2293, vol. 6, no. 1, pp. 223 – 240, January 2014
69.	B M Thippeswamy, Raghavendra M, Reshma S, Shaila K, Venugopal K R, S S Iyengar, L M Patnaik “MCDR: Mitigating Congestion using Distance based Routing in Wireless Sensor Networks” IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661, p- ISSN: 2278-8727Vol. 16, no. 1, pp. 17-29, Ver. V, Jan. 2014.
70.	L M Patnaik and S Hasan Raza Naqvi, A Review of Medium Access Protocols for Mobile Ad-Hoc Networks with Transmission Power Control, Microprocessors and Microsystems.
71.	B. N. Shankargowda, Vibha L, Venugopal K R, and Patnaik L M, “A Framework for Preprocessing Web Log in the Data Warehouse Environment for Web User Behavior Analytics” International Journal for Information Processing (IJIP), ISSN: 0973-8215, vol. 8, no. 1, pp. 40-52, January 2014.
72.	Satish Bhairannawar, Raja K B, Venugopal K R and L M Patnaik, “Efficient FPGA based Matrix Multiplication using Mux and Vedic Multiplier”, International Journal of computers and Technology, vol. 12, no. 5, pp. 3452-3463, January 2014.
73.	Deepa Shenoy P, Srinivasa K G, Venugopal K R and L M Patnaik, ”Dynamic Association Rule Mining using Genetic Algorithms”, Intelligent Data Analysis IOS Press.
74.	Shaila Kalanath, Manjula H.S, Venugopal K R, LM Patnaik , “Mobile Node Authentication using Key Distribution Scheme in Wireless Sensor Networks “, International Journal of Adhoc and Ubiquitous Computing (IAHUC).
75.	Manisha J. Nene ¹ , Rajendra S. Deodhar, Lalit M. Patnaik, “ DP-UREA: An Algorithm for Autonomous Reorganization of Mobile Sensor Networks to maximize coverage”, International Journal of Computer Science, Vol.11, No.7, (2014) 210-219.
76.	Lata B T, Jansi P K R, Shaila K, D N Sujatha, Venugopal K R, and L M Patnaik, “Multiple Domain Secure Routing for Wireless Sensor Networks”, In International Journal of Information Processing, vol. 7, no. 2, pp. 59-68, 2013.
77.	Shiva Prakash T, Raja K B, Venugopal K R, S S Iyengar, L M Patnaik, “Link-Reliability Based Two-Hop Routing for Wireless Sensor Networks”, International Journal of Information Processing, vol. 7, no. 1, pages: 15-29, 2013.
78.	Shiva Prakash T, Raja K B, Venugopal K R, S S Iyengar, L M Patnaik, “Two-Hop Routing with Traffic-Differentiation for QoS Guarantee in Wireless Sensor Networks”, International Journal of Information Processing, vol. 7, no. 3, pages: 100-118, 2013.
79.	Vishwanath R Hulipalled, Leena S V., Srikantiah K C, Deepa Shenoy P, Venugopal K R, Iyengar S S, Patnaik L M “Forecasting Time Series using Data Approximation and Pattern Sequence Similarity” In International Journal of Information Processing, 7(2), 90-100, 2013, ISSN: 0973-8215, IK International Publishing House Pvt. Ltd., New Delhi, India.
80.	Vishwanath R Hulipalled, Samartha T V, Srikantiah K C, Venugopal K R, Patnaik L M “DRSP: Dimension Reduction for Similarity Matching and Pruning of Time Series Data Streams”, In International Journal of Data Mining and Knowledge Management Process (IJDMP) 3(5), ISSN: 2320-8457, 2013.
81.	Leena Giri G, Srikanth P L, S H Manjula, K R Venugopal and L M Patnaik, “Mathematical Model of Semantic Look – An Efficient Context Driven Search Engine”, International Journal of Information Processing, 7(2), 19-31, ISSN : 0973 – 8215, 2013.
82.	Vishwanath R Hulipalled, Praveen H N, Srikantiah K C, Venugopal K R, Patnaik L M “EMPP: Ensemble based Model for Predicting Stock Time Series using Pattern Sequence Similarity”, In International Journal of Computer Science Issue (IJCSI) 10(6), ISSN:2320-8457, 2013.

83.	K C Srikantaiah, Suraj M, K R Venugopal and L M Patnaik, "Similarity Based Dynamic Web Data Extraction and Intergration System from Search Engine Result Pages for Web Content Mining ", International Journal of Information Technology vol. 3, no.2, pp. 45-55, corr abs/1303.5867,2013.
84.	K C Srikantaiah, V Krishnakumar, K R Venugopal and L M Patnaik, "Bidirectional Growth Based Mining and Cycilc Behaviour Analysis of Web Sequential patterns", International Journal of Data Mining and Knowledge Management, process vol. 3, no.1, pp 35-55, corr abs/1304.4184, 2013.
85.	Chetana Hegde, P Deepa Shenoy, K R Venugopal and L M Patnaik, "Authentication Using Finger Knuckle Prints", Signal, Image and Video Processing, Springer, 7(4) : 633 – 645, 2013.
86.	B. N. Shankargowda, Vibha L, Venugopal K R, and Patnaik L M, "A Framework for Preprocessing Web Log in the Data Warehouse Environment for Web User Behavior Analytics" International Journal for Information Processing (IJIP), December 2013.
87.	Bharathi Somashekhar, Pooja P Sheth, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Datamining Techniques used for Classification of High Resolution Remote Sensing Images", International Journal of Scientific & Engineering Research, vol. 4, no. 9, ISSN 2229-5518, September-2013.
88.	Pushpa C N, Thriveni J, Venugopal K R and L M Patnaik, "Modified Pattern Extraction Algorithm for Efficient Semantic Similarity Measures between Words", International Journal of Computer Science Issues (IJCSI), vol. 10 , no. 5, Mauritius, September 2013.
89.	Poornima G, K Suresh Babu, K B Raja, K R Venugopal, L M Patnaik "Energy Efficient Adaptive Algorithms For Wireless Sensor Networks", International Journal of Scientific and Engineering Research, Nov 2013.
90.	Poornima G, K Suresh Babu, K B Raja, K R Venugopal, L M Patnaik "Fault Diagonosis Approach For WSN Using Normal Bias Technique", ACEEE International Journal on Communication, Elsevier,Nov 2013.
91.	S Kumaraswamy, Srikanth P L, Manjula S H, K R Venugopal, Iyengar S S, L M Patnaik, "Two Stage Prediction Process with Gradient Descent methods Aligning with the Data Privacy Preservation," In International Journal for Information Processing(IJIP),vol. 7,no. 3,October-2013.
92.	S Kumaraswamy, Manjula S H, K R Venugopal, Iyengar S S, L M Patnaik, "A Novel PPDM Protocol for Distributed Peer to Peer Information Sources," In International Journal of Computer Engineering and Technology (IJCET),ISSN:0976-6375,vol. 4,no. 4,pp. 358-380,July-August,2013.
93.	Leelavathi G, Prakash S, Shaila K, Venugopal K R, L M Patnaik, "Design and Implementation of Advanced Encryption Algorithm with FPGA and ASIC", International Journal of Research in Engineering and Advanced Technology, vol.1, no.3, pp. 1-8, July 2013.
94.	S Kumaraswamy, Manjula S H, K R Venugopal, Iyengar S S, L M Patnaik, "Key Compromise Resilient Privacy Provisoning in Vertically Partitioned Data", In Cyber Times International Journal of Technology and Management,ISSN:2278-7518,vol. 6, no. 1,pp.18-29, March 2013.
95.	Beulah Soundarabai P, Thriveni J, Venugopal K R and Patnaik L M, "An Improved Leader Election Algorithm For Distributed Systems," International Journal of Next-Generation Networks (IJNGN) Vol.5, No.1, March 2013.
96.	Leelavathi G, Shaila K, Venugopal K R, L M Patnaik, "Design Issues on Software Aspects and Simulation Tools for Wireless Sensor Networks", International Journal of Network Security and its Application (IJNSA), vol.5, no.2, pp. 47-64, March 2013.
97.	D Annapurna, K B Raja, Venugopal K R and LM Patnaik, "Quality of Service Routing Protocol for Mobile Ad hoc Network," International Journal of Computer Science and Mobile Computing, vol.02, no. 3, pp.4 – 13, March 2013. TICLE.
98.	Shaila K, Manjula S H, Venugopal K R, L M Patnaik, "Mobile Node authentication using Key distribution Scheme in Wireless Sensor Networks", Special Issue on: Recent Advanced Technologies and Theories in Ubiquitous Networks and Wireless Communications of International Journal on Adhoc and Ubiquitous Computing, H-factor – 4, Inderscience Publications, vol. 12, no. 1, pages 34 – 45, January 2013.
99.	R Tanuja, Anoosha V, S H Manjula, K R Venugopal, L M Patnaik, "Secure Reputation based Target Sensing in Wirless Sensor Networks," International Journal on Information Processing - IJIP , vol. 6, no. 4, pp. 82-92, January 2013.
100.	Manisha J. Nene, Rajendra S. Deodhar, and Lalit M Patnaik. "Uncovered region exploration algorithm for reorganization of Non-Homogeneous sensor nodes to maximize coverage.' International Journal of Innovative Research in Computer and Communication Engineering.Vol. 01, No.08 (2013), pp. 1907- 1915.
101.	Beulah Soundarabai P, Ritesh Sahai, Thriveni J, Venugopal K R and Patnaik L M, "Improved Bully Election Algorithm for Distributed Systems," International Journal of Information Processing (IJIP),nISSN : 0973-8215, vol. 7, no. 4, December 2013.

102.	D Annapurna, K B Raja, Venugopal K R, LM Patnaik, "A Quality Hybrid Service Discovery Protocol," International Journal of Advanced Networking and Applications, vol. 04, no. 03, pp. 1601-1609, 2012.
103.	Poornima G, K Suresh Babu, K B Raja, K R Venugopal, L M Patnaik "Fault Tolerance Using Modified Hausdroff Distance", Technical Journals, International Journal of VLSI and Embedded Systems.ISSN: 2249 – 6559, vol. 03, no. 01, pp 119-124, 2012.
104.	Manisha J Nene, RS Deodhar and LM Patnaik, "UREA: An Algorithm for Maximization of Coverage in Stochastic Deployment of Wireless Sensor Networks", (Co author: MJ Nene, LM Patnaik), International Journal of Parallel, Emergent and Distributed Systems T&F, Vol 27, No 3 (2012)249-274.
105.	K C Srikantaiah, P L Srikanth, V Tejaswi, K Shaila, K R Venugopal and L M Patnaik,"Ranking Search Engine Result Pages Based on Trust Worthiness of Web Sites", International Journal of Computer Science Issues, vol.9, no.7, pp 303-313, corr abs/1209.5244, 2012.
106.	Ramachandra A C, K B Raja, K R Venugopal and L M Patnaik, "Efficient Offline Signature Verification Based on Global Features," International Journal of Innovative Technology and Creative Engineering, vol. 2, no. 4, 2012.
107.	Prashanth C R, K B Raja, K R Venugopal, L M Patnaik, "Intra-modal Score level Fusion for Off-line Signature Verification," International Journal of Innovative Technology and Exploring Engineering, vol. 1, no. 2, pp. 179-187, 2012.
108.	Prashanth C R, K B Raja, K R Venugopal, L M Patnaik, "Fusion of Hybrid Domain features for Iris Recognition," International Journal of Engineering Research and Development, vol. 2, no. 2, pp. 17-24, 2012.
109.	Sivasankari H, Shaila K, Venugopal K R and L M Patnaik, " Multiple Dynamic Sinks to Maximize the Lifetime and Conservation of Energy in Wireless sensor Networks", vol. 4, no. 1, IJCTE, 2012 .
110.	Kumaraswamy M, Shaila K, Tejaswi V, Venugopal K R, S S Iyengar and L M Patnaik, "Cross-Layer Design RCH-MAC Protocol for Multihop QoS in Wireless Sensor Networks", International Journal of Information Processing, ISSN 0973-8215, 6(2):1-10, 2012.
111.	Prashanth C R, K B Raja, K R Venugopal, L M Patnaik, "DWT based Off-line Signature Verification based on Angular Features," International Journal of Computer Applications, vol. 48, no. 6, pp. 40-48, 2012. vol. 52, no. 15, pp. 40-48, 2012.
112.	Varalakshmi B D, Thriveni J, K R Venugopal, L M Patnaik "Haptics: State of the Art Survey", International Journal of Computer Science Issues-IJCSI, vol. 9, no. 5, No 3.ISSN, Online-1694-0814September-2012.
113.	H Sivasankari, Shaila K, Venugopal K R and L M Patnaik, "Bayesian Estimation Model for Trust Dependent Greedy Anti- void Routing(TGAR) in Wireless Sensor Networks(WSNs)" International Journal on Information Processing, ISSN 0975-3397, 6(2):73-82, July 2012.
114.	Ramachandra A C, K B Raja, Venugopal K R and L M Patnaik, "Face Recognition based on Logarithmic Fusion of SVD and KT" International Journal of Soft Computing and Engineering, vol. 2, no. 3, July 2012.
115.	D Annapurna, K B Raja, Venugopal K R and LM Patnaik, "Analysis of On Demand and Table Driven Routing Protocol for Fire Fighter Application", International Journal of Innovative Technology and Exploring Engineering, vol. 01, no. 2, pp. 1-5, July 2012.
116.	Kumaraswamy M, Shaila K, Tejaswi V, Venugopal K R, S S Iyengar and L M Patnaik, "CBH-MAC Protocol for Multihop QoS in Wireless Sensor Networks", International Journal of Computer Science and Network Security (IJCSNS), 12(7):11-20, July 2012.
117.	K G Srinivasa, N Pramod, K R Venugopal, L M Patnaik "Effects of Information Filters: A Phenomenon on the Web", International Journal of Information Retrieval Research 2(2): 1-12, April – June 2012.
118.	Pushpa C N, Thriveni J, K R Venugopal, L M Patnaik,"Improving Response Time and Thoughtput of Search Engine with Web Caching ", International Journal of Engineering and Research Technology (IJERT), Vol. 1, No. 4, June 2012.
119.	Beulah Soundarabai P, Sandhya Rani A, Ritesh Kumar Sahai, Thriveni J, Venugopal K R and Patnaik L M, "Comparative Study On Load Balancing Techniques In Distributed Systems," International Journal of Information Technology and Knowledge Management , Vol. 6, No. 1, pp. 53-60, December 2012.
120.	Ramachandra A C, K B Raja, Venugopal K R and L M Patnaik, " Non Minitia Fingerprint Recognition based on Segmentation", International Journal of Innovative Technology and Exploring Engineering, vol. 1, no. 2, July 2012.
121.	Vishwanth R Hullipaled, Venugopal K R and L M Patnaik, "Similarity Pattern Search for Stream Time Series Image Data Using Cluster Median Approach" International Journal of Information Processing (IJIP), vol. 6, no. 3, pp 1 – 10, 2012.

122.	Bharathi S, Pooja P Sheth, P Deepa Shenoy, Venugopal K R and L M Patnaik, "Object Based Segmentation of Satellite Images for Land Cover Type Monitoring Using Clustering Approach", International journal on Information Processing, vol. 6(1), no. 1, 2012.
123.	Pushpa C N, Triveni J, Venugopal K R and L M Patnaik , "Enhancement of F-measure for Web People Search using Hashing Technique", International journal on Information Processing, vol. 5(4), no. 1, 2011.
124.	Veena H Bhat, Vandana R Malkani, P Deepa Shenoy, Venugopal K R, L M Patnaik "Steganalysis of YASS Using Huffman Length Statistics", In: International Journal of Hybrid Information Technology, vol. 4, no. 3, pp 15-30, 2011.
125.	Srikantaiah K C, Srikanth P L, Tejaswi V, Shaila K, Venugopal K R, L M Patnaik, "Ranking SERP of a Specialty Search Engine based on Probability of Correctness of Facts" International Journal of Information Processing, 5(3),1-13, 2011.
126.	Vidya A, Usha D, Rashma B M, K R Venugopal, L M Patnaik "Computational Methods in Biological Sequence Analysis for Complexity Reduction" The International Journal of Information Processing, 5(3), 37-46 (2011), I K International Publishing House Pvt. Ltd., ISSN: 0973-8215, 2011.
127.	Anita Kanavalli, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Recovery based Time Synchronization for Wireless Networks" International Journal of Computer Science and Engineering, Publisher:Engineering Journals, Chennai, India, p-ISSN 2229-5631, e-ISSN 0975-3397, 3(11):3596-3605, December 2011.
128.	Jagadish S K, Srinivasa K G, Venugopal K R and L M Patnaik, "KanSum: A Customized and Ontology based Text Summarization for Mining Extractive Summary in Kannada Language News Paper Articles", International Journal of Computer Processing of Oriental Languages (IJCPO), December 2011
129.	Srinivasa K G, Venugopal K R and L M Patnaik, "RFID based Traffic System to manage traffic and movement of emergency vehicles in real time", IETE Journal of Research, December 2011.
130.	H Sivasankari, Shaila K, Venugopal K R and L M Patnaik, "Cluster based Algorithm for Energy Conservation and Lifetime Maximization in Wireless Sensor Networks" International Journal of Computer Science and Engineering(IJCSE), ISSN 0975-3397, 03(10):31-40, vol. 3 no. 10, pp. 3457 – 3471, October 2011.
131.	Chandrakant N, Deepa Shenoy P , Venugopal K R and L M Patnaik "Animals as Wireless Biomedical Sensors in WSN for Earthquake Detection in Advance", International Journal for Electro Computational World Knowledge Interface,(ISSN: 2249-541X), vol. 1, no. 2, October 2011.
132.	Shaila K, S H Manjula, Thriveni J, Venugopal K R and L M Patnaik "Resilience Against Node Capture Attack using Asymmetric Matrices in Key Predistribution Scheme in Wireless Sensor Networks", International Journal of Computer Science and Engineering, Publisher:Engineering Journals, Chennai, India, p-ISSN 2229-5631, e-ISSN 0975-3397, 3(10):2241-2254, October 2011.
133.	Chetana Hegde, Rahul Prabhu H, Sagar D S, P Deepa Shenoy, Venugopal K R and L M Patnaik, "Heartbeat Biometrics for Human Authentication", at Springer, Signal, Image and Video Processing Journal, Special Issue on Unconstrained Biometrics: Advances and Trends, vol. 5, no. 3, ISSN: 1863 – 1703, September 2011.
134.	Chandrakant N, Deepa Shenoy P , Venugopal K R and L M Patnaik "Middleware Services for Security in Scalable and Non-Scalable Heterogeneous Nodes of MANETs", International Journal of Future Generation Communication and Networking (ISSN: 1738-995x), Issue vol.4 no.2, June 2011.
135.	Chetana Hegde, P Deepa Shenoy, Venugopal K R and L M Patnaik, "FKP Biometrics for Human Authentication", CiiT International Journal of Biometrics and Bioinformatics, vol. 3, no. 5, pp. 238 – 244, ISSN: 0974 – 9675, May 2011.
136.	N Sathisha, K Suresh Babu, K B Raja, Venugopal K R, L M Patnaik "Embedding Information In DCT Coefficients Based On Average Covariance," International Journal of Engineering Science and Technology, vol. 3, no. 4, pp. 3184-3194, April 2011.
137.	Chandrakant N, Harsha D, Tejas J, Deepa Shenoy P , Venugopal K R and L M Patnaik "EMID: Maximizing time of Wireless Sensor Network by Using Energy Efficient Middleware Service", International Journal of Innovative Technology and Creative Engineering (ISSN:2045-8711) Issue vol.1 no.3, March 2011.
138.	C.R. Prashanth, K.B. Raja, K.R. Venugopal and L.M. Patnaik, "Efficient Off-line Signature Verification by Correlation of Geometric Centers", International Journal of Computational Intelligence Research, Vol. 6, no. 4, pp. 645-660, 2010.
139.	Siddesh G M, K G Srinivasa, Venugopal K R, L M Patnaik, "Publish / Subscribe Replication based Middleware for Web Services", International Journal on Information Processing, vol. 4, no. 1, pp. 1-6, 2010.
140.	Sandhya Joshi, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Classification of Alzheimer's Disease and Parkinson's Disease by Using Machine Learning and Neural Methods", International Journal on

	Information Processing, vol. 4, no. 1, pp. 64-73, 2010.
141.	Sandhya Joshi, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Classification of Neuro Degenerative Disorder based on Major Risk Factors emphasizing Machine Learning Techniques", International Journal of Computer Theory and Engineering(IJCTE), ISSN : 1793-8201, 2010.
142.	Sandhya Joshi, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Classification of Treatment of Different stages of Alzheimer's Disease using Machine Learning Methods", International Journal of Bioinformatics Research, ISSN : 0975-3087, vol. 2, no. 1, pp. 44-52, 2010.
143.	H Sivasankari, S Ishaq Ali, Vallabh M, Shaila K, Venugopal K R, L M Patnaik "K-means Fusion Steiner Tree Algorithm for Energy Conservation in Wireless Sensor Networks", International journal on Information Processing, vol. 4, no. 3, October 2010.
144.	J Ravi, K B Raja, K R Venugopal, "Fingerprint Recongnition Using Minutia Score Matching ", International Journal of Computer Science issues, corr abs/1001.4186, 2010.
145.	Ravi J, K B Raja and Venugopal. K. R, "Fingerprint Recognition Using Minutia Score Matching," International Journal of Engineering Science and Technology, vol. 1, no. 2, pp. 35, 2010.
146.	H Sivasankari, S Ishaq Ali, Vallabh M, Shaila K, Venugopal K R and L M Patnaik, "Energy Conservation using K- means Fusion Steiner Tree(KFST) Algorithm for Wireless Sensor Networks" International Journal on Information Processing, ISSN 0975-3397, 4(3):1-15 October 2010.
147.	Ramesha K, K B Raja, Venugopal K R, L M Patnaik, "Template based Mole Detection for Face Recognition", International Journal of Computer Theory and Engineering, (IJCTE), ISSN : 1793-8201, vol. 2, no. 5, October 2010.
148.	Shaila K, Yeri V, Arjun A V, Venugopal K R and L M Patnaik, Introducing Validation Time and Dynamic Speed to Increase Secure Communication Rate in Wireless Sensor Networks, International Journal of Computation theory of Engineering, Vol 11, No.3, pp 14 – 21, 2010.
149.	Shaila K, Vidya Yeri, Arjun A V, K R Venugopal and L M Patnaik, "Validation Time and Dynamic Speed to Increase Secure Communication Rate in Wireless Sensor Networks", In International Journal of Computer Theory and Engineering(IJCTE), ISSN : 1793-8201, 2010
150.	Lavanya B N, K B Raja, and Venugopal K R, "Fingerprint Verification Based on Gabor Filter Enhancement," International Journal of Computer Science and Information Security, vol.6, no. 2, pp.138, 2010.
151.	Ramesha K, K B Raja, Venugopal K R, L M Patnaik "Feature Extraction based Face Recognition, Gender and Age Classification," International Journal of Computer Science and Engineering (IJCSE), vol. 2, no. 1, pp. 14, 2010.
152.	K M Prakash Lingam, Venugopal K R, L M Patnaik, "Simulation and Kinetic Modeling of Thrombin Induced and Collagen Induced Platelet Aggregation Pathway" A System Biology Approach in bimonthly International Journal of Chemical Engineering and Applications by International Association of Computer Science and Information Technology Press (IACSIT), 2010.
153.	Veena H Bhat, Prasanth G Rao, Abhilash R V, Deepa Shenoy, Venugopal K R, L M Patnaik, "A Data Mining Approach for Data Generation and Analysis for Digital Forensic Application", In : IACSIT International Journal of Engineering and Technology, vol. 2, no. 3, pp. 314-319, June 2010.
154.	Shaila K, Vineet G H, Prashanth C R, Arjun A V, Shiva Prakash T, Tejaswi V, S H Manjula, Venugopal K R and L M Patnaik, "ASR : Adaptive Secure Routing in Heterogeneous Wireless Sensor Networks", In International Journal on Information Processing, vol 4, no. 1, pp. 72-83, June 2010.
155.	Prakash G L, Thejaswini M, S H Manjula, K R Venugopal, L M Patnaik, Efficient Data Aggregation using Query Processing in Sensor Networks, International Journal on Information Processing, vol 2. No. 4.,pp. 1-14 January 2009.
156.	Alice Abraham, Jamal Ahmad, Manjula SH, Amruta Pai, Lakshmi N, Rashmi DR, Shobita K, Venugopal KR, LM Patnaik, "Wavelet Coded Preferential Image Transmission in Wireless Multimedia Sensor Networks", 4th International Conference on Information Processing, Bangalore, Aug 6-8, 2010, pp. 315-320.
157.	H C Sateesh Kumar, K B Raja, Venugopal K R and L M Patnaik "Automatic Image Segmentation Using Wavelets" International Journal of Computer Science and Network Security, vol. 9, no. 2, pp. 305 - 313, February 2009.
158.	Veena H Bhat, Prasanth G Rao, Deepa Shenoy, Venugopal K R, L M Patnaik, "Simple k-means Clustering with CART to Enhance Classifier Accuracy", International Journal on Information Processing, (IJIP), vol. 3, no. 3, pp. 65 - 70, 2009.

159.	S H Manjula, Nithin B K, Sarvajith M, Shaila K, L Nalini, Venugopal K R, L M Patnaik, "Optimal Scheduling for Maximizing the Network Lifetime of Wireless Sensor Networks," International Journal on Information Processing, (IJIP), vol. 3, no. 3, pp. 1 - 14, 2009.
160.	Thriveni J, Ashwini B, Latha A, Sandhyashree K R, Venugopal K R, L M Patnaik, "Dual Covered Broadcast with Negative Acknowledgements DCN : A broadcast Algorithm for Mobile Ad Hoc Networks", IAENG International Journal of Computer Science, vol. 36, no. 4, pp. 289 - 300, December 2009
161.	Ramachandra A C, Ravi J, K B Raja, Venugopal K R and L M Patnaik "Signature Verification using Graph Matching and Cross-Validation Principle" International Journal of Recent Trends in Engineering (IJRTE), vol. 1, no. 1, pp. 57 - 61, May 2009.
162.	T H Manjula Devi, H S Manjunatha Reddy, K B Raja, Venugopal K R and L M Patnaik "Detecting Original Image Using Histogram, DFT and SVM" International Journal of Recent Trends in Engineering (IJRTE), vol. 1, no. 1, pp. 367 - 371, May 2009.
163.	Suriya Tarannum, S Srividya, D S Asha, K R Venugopal, "Dynamic Hicrarchial Communication Paridgm for Wireless Sensor Netwrok", A Centalized Energy Efficient Approach, Wireless sensor Network, 1 (4) 340-349, 2009.
164.	Prashanth C R, S P Ganavi, T D Mahalakshmi, K B Raja, K R Venugopal, L M Patnaik, "Feature Extraction of Fragmented Iris by Differential Encoding", accepted International Journal on Information Processing, vol. 3, no. 4, pp. 45-56, 2009.
165.	Anita Kanavalli, Demis SScrubiri, Deepa Shenoy P, Venugopal K R, L M Patnaik, "A Flat Routing Protocol for Sensor Networks", International Journal on Information Processing, vol. 3, no. 4, pp. 97-106, 2009.
166.	C R Prashanth, Shashikumar D R, K B Raja, K R Venugopal, L M Patnaik "High Security Human Recognition System using Iris Images" International Journal of Recent Trends in Engineering (IJRTE), vol. 1, no. 1, pp. 647-652, May 2009.
167.	C R Prashanth, S P Ganavi, T D Mahalakshmi, K B Raja, K R Venugopal, L M Patnaik, "Feature Extraction by Differential Encoding of Fragmented Iris", Symbiosis Centre for Information Technology (SCIT) Journal, 2009.
168.	S Hasan Raza Naqvi and L M Patnaik, "A Medium Access Protocol Exploiting Multiuser-Detection in CDMA Ad-hoc Networks", Wireless Network, DOI 10.1007 /s11276-009-0224-8, Published online: 13 November 2009.
169.	Shaila K, Thriveni J, Vidya Yeri, Neelavathi H N, Arjun A V, Nalini L, K R Venugopal, L M Patnaik, "Preventing Node Misbehavior by Secure QoS- Aware Data Fusion in Distributed Wireless Sensor Networks", In International Journal on Information Processing(IJIP), vol 2, No. 4, pp. 65-79, January 2009.
170.	D N Sujatha, Girish K, Sunil Kumar, Venugopal K R, L M Patnaik "CCAM: A Comprehensive Cost Analysis Model for Video-on-Demand Systems", International Journal on Multimedia Tools and Applications, 2008.
171.	K Suresh Babu, K B Raja, Arpitha p, Asima Nishat, Venugopal K R, L M Patnaik, "Multiresolution Wavelet Decomposition Steganographic Model", International Journal of Information Processing, vol. 2, no. 1, pp. 36-46, 2008.
172.	Vibha L, Chetana Hegde, Deepa Shenoy P, K R Venugopal, L M Patnaik, "Dynamic Object detection, Tracking and Counting in Video Streams for Multimedia Mining", IAENG, International Journal of Computer Science, vol.35, no.3, pp 382-391, 2008.
173.	Vibha L, Harsha Vardhan G M, Prashanth S J, Deepa Shenoy P, K R Venugopal, L M Patnaik, "Spatial Data Mining Technique for Prediction of Soil Attributes", IETECH Journal of Advanced Computations, vol.2, no.3, pp 126-131, 2008.
174.	Thriveni J, Vikas M, Shaila K, K R Venugopal, L M Patnaik, "Reliable Delivery with Varying Data Rate in Ad Hoc Wireless Networks", International Journal on Information Processing, vol 2. No. 2. pp 12-23, April 2008.
175.	S H Manjula, Arjun A V, Shilpa K R A, Shwetha N, Swetha N A, Shaila K, L Nalini, K R Venugopal, L M Patnaik, "Evaluating the Lifetime of a Coverage and Connectivity Guaranteed Heterogeneous Wireless Sensor Network." International Journal on Information Processing Vol 2, No 2, pp 65-80, May 2008.
176.	S H Manjula, Arjun A V, Shilpa K R A, Shwetha N, Swetha N A, Shaila K, L Nalini, K R Venugopal, L M Patnaik, "Energy Efficient in Coverage and Connectivity Guaranteed Heterogeneous Wireless Sensor Network." International Journal on Information Processing Vol 2, No 2, pp 65-80, May 2008.
177.	Suraiya Tarannum, Anitha V, Priya A G, Rajeshwari A, L Nalini, Venugopal K R, L M Patnaik, "Self-Healing AntChain for Increasing Life Span in Wireless Sensor Networks " IETECH Journal of

	Communications, UK, 2008.
178.	L.M.Patnaik, O.K.Manyam, Epileptic EEG Detection using Neural Networks and Post-classification, Journal of Computer Methods and Programs in Biomedicine, Vol.91, No.2, August 2008, pp. 100-109.
179.	K B Raja, K Suresh Babu, Shilpa B R, Chetana A K, Radhika K, K R Venugopal, L M Patnaik, "Robust Image Steganography Using Decomposed Color Quantization", International Journal of Information Processing, IJIP 2008, vol.2, no.1, January 2008.
180.	Srinivasa K G, K R Venugopal, L.M. Patnaik, "Data Mining Based Query Processing using Soft Computing", International Journal of Hybrid Intelligent Systems, vol.5, no.1, pp. 1-17, 2008, IOS Press.
181.	D N Sujatha, Girish K, K R Venugopal, L M Patnaik, "A Comprehensive Cost Analysis Model for Video-On-Demand System", International Journal on Multimedia Tools and Applications 2008.
182.	Triveni J, Prakash G L, K R Venugopal, L M Patnaik, "Maximizing Network Lifetime in MANET using Average Energy Flooding", International Journal of Information Processing, vol.2, no.1, , pp. 1-12, January 2008.
183.	S H Manjula, C N Abhilash, Shaila K, K R Venugopal, L M Patnaik, "Performance Analysis of Routing Protocol using Mobility Models in Wireless Sensor Networks", International Journal on Information Processing, Vol.2, No.1, pp. 62-78, January 2008.
184.	K R Venugopal, P Sreenivasa Kumar, L.M. Patnaik, "Packet Switched Optical Networks with Tunnable Wavelength Converters", International Journal of Information processing, vol.2, no. 1, August 2008.
185.	Srinivasa K G, K R Venugopal, L.M. Patnaik, "Semantic Data Mining on Bio-XML Databases Using LSI and GAs", International Journal of Bioinformatics, United States, 2008.
186.	Srinivasa K G, Venugopal K R and L M Patnaik, "Soft Computing for Mining XML Data", Encyclopedia of Data Warehousing and Mining, 2nd Edition, Section: Soft Computing, pp. 1806 – 1809, IGI Global. 2008.
187.	Srinivasa K G, K R Venugopal, L.M. Patnaik, "Algorithms for Personalizing Google search Results Using Clustering and Classification", International Journal of Web Engineering, Rinton Press, USA, 2008.
188.	T Shiva Prakash, G S Badrinath, Chandrakanth N, Venugopal K R, L M Patnaik, "Energy Efficient Routing in Ad Hoc Networks, Life Time Maximization of Heterogeneous Wireless Ad Hoc Networks", International Journal on Information Processing, vol.1., no. 2, pp. 26-39, April 2007.
189.	T Shivaprakash, G S Badrinath, K R Venugopal, and L M Patnaik, "Lifetime Maximization of Heterogeneous Wireless Ad Hoc Networks", IEEE Proceedings of International Journal of Information Processing, IJIP Vol.1, No.2, pp.26-39, 2007.
190.	Srinivasa K G, Venugopal K R, and L M Patnaik, "Selective Dissemination of XML documents based on Genetically Learned user Model and Support Vector Machines (SVM)", International Journal on Intelligent Data Analysis, IOS Press, 11(5): 481-496, 2007.
191.	Srinivasa K G, Jagadish M, Venugopal K R, and L M Patnaik, "Efficient Compression of Non-Repetitive DNA Sequences using Dynamic Programming", International Journal of Computing, Inder Science ,Netherlands ,2007.
192.	K B Raja, Shankara N, K R Venugopal and L M Patnaik, "Steganalysis of LSB Embedding in Images Using Variable Thresholding Color Pair Analysis", International Journal on Information Pcessings, vol.1, no.1, pp. 30-38, February 2007.
193.	K B Raja, Vikas, K R Venugopal and L M Patnaik, "Secure Image Steganography Using Wavelets", Journal of Computing and Information Technology, UK, 2007.
194.	D N Sujatha, Girish K, K R Venugopal, L M Patnaik, "An Integrated Quality-Of-Service Model for Video-on-Demand Application", IAENG International Journal of Computer Science , Vol.34, no.1, pp.1-10, 2007.
195.	D N Sujatha, Girish K, K R Venugopal, L M Patnaik, "Determination of Optimal Buffer Allotment in Video on Demand System", International Journal of Information Processing, Vol.1, no.1, pp. 90-103, January 2007.
196.	Srinivasa K G, Jagadish M, Venugopal K R and L M Patnaik, "Efficient Data Mining Query Processing Using Rough Sets and Genetic Algorithms", International Journal of Computational Intelligence and Applications, Imperial College Press, London, 2007.
197.	Suraiya Taranaum, Aravinda B, L Nalini, Venugopal K R, L M Patnaik, "Routing Protocol for Lifetime Maximization of Wireless Sensor Networks", International Journal on Information Processing, vol.1, no. 2, pp. 61-70, October 2007.
198.	Srinivasa K G, P Deepa Shenoy, Venugopal K R and L M Patnaik, "A Hybrid System for Web Search Personalization using Query Refinement, Recommender Systems and user Profiles", International Journal of Informatica, U.K , 2007.
199.	P.S. Gill, L.M. Patnaik, "A Graph-based Algorithm for Determining the Lossless-Join Property of Schema

	Decompositions”, The Icfai Journal of Computer Sciences, vol.1 no.2, October 2007.
200.	K.B.Raja, Siddaraju S, K.R.Venugopal and L.M.Patnaik, “High Capacity Data Embedding Using Colour Palette Decomposition”, International Journal of Information Processing, vol.1, no.3, August 2007.
201.	Srinivasa K G, Jagadish M, K.R. Venugopal and L M Patnaik, “Relative Distance Based Clustering for Discovering Protein Sequence Motifs”, International Journal of Information Processing, vol.1 no.1, pp.1-13, June 2007.
202.	D.N. Sujatha, Girish K, K.R. Venugopal, L.M. Patnaik, “Efficient Buffer Management for VOD systems”, International Journal on Information Processing, vol.1 no.1, pp. 90-103, January 2007.
203.	Vibha Lakshmikanath, P Deepa Shenoy, K R Venugopal, L M Patnaik, “Classifications of Mammograms Using Decision Trees”, International Journal on Information Processing, vol.1 no.2, April 2007.
204.	Vibha Lakshmikanath, Harshavardhan G M, Pranaw K, P Deepa Shenoy, K R Venugopal, L M Patnaik, “Watershed Segmentation and Machine Learning for Mammography Classification”, International Journal on Information Processing (IJIP), vol.2, pp. 87-102, 2007.
205.	Raja K B, Vikas, Venugopal K R, and L M Patnaik, “High Capacity Lossless Secure Image Stenography Using Wavelets”, International Journal on Informatica, UK, 2007.
206.	Srinivasa K G, K.R.Venugopal and L.M.Patnaik, “Exploratory Genetic Algorithm using Self Adaptation”, Journal of Information Sciences, Elsevier Publications, Netherlands, 2007.
207.	Srinivasa K G, Venugopal K R and L M Patnaik, “A Self Adaptive Migration Model Genetic Algorithm for Data Mining Applications”, Journal of Information Sciences, Elsevier Publications, 177 (20), pp. 4295-4313, 2007.
208.	Srinivasa K G, Jagadish M, Venugopal K R and L M Patnaik, “Relative Distance based Clustering for Discovering Protein Sequence Motifs”, International Journal of Information Processing, vol. 1, no. 1, pp.1-13, June 2007.
209.	Srinivasa K G, Srinivas Kumar M, K.R.Venugopal, L M Patnaik, “Naive Bayesian Probabilistic Model for Personalizing Search Results” International Journal of Research in Computing Science, ISSN 1665-9899, November-2006.
210.	D N Sujatha, Girish K, Venugopal K R, L M Patnaik, “Determination of Optimal Buffer Allotment in Video-on-Demand System”, International Journal on Information Processing, vol.1, no. 1, pp. 90-103, January 2007.
211.	Anita Kanavalli, Deepa Shenoy, Venugopal K R and L M Patnaik, “Pollution Monitoring using Data Dissemination in Adhoc Sensor Networks”, Special Issue of Lateral Computing, vol. 3, no. 1, ISSN 0973-208X, pp. 27-39, August 2006.
212.	Srinivasa K G, Venugopal K R and L M Patnaik, “An Efficient Stock Market Prediction using Fuzzy based Neuro-Genetic Algorithm”, International Journal of Hybrid Intelligent Systems, IOS Press, vol.3, no.2, pp.63-81, July 2006.
213.	Srinivasa K G, Karthik Sridharan, P Deepa Shenoy, Venugopal K R and L M Patnaik, “An Efficient Neural Network Based CBIR System Using STI Features and Relevance Feedback”, International Journal on Intelligent Data Analysis, IOS Press, vol. 10, no. 2, pp. 121-137, June 2006.
214.	Srinivasa K G, Venugopal K R and L M Patnaik, “Feature Extraction using Fuzzy, Means Clustering for Data Mining Systems”, International Journal on Computer Science and Network Security, vol.3, no.3, pp.230-236, March 2006.
215.	Srinivasa K G, Srinivas Kumar, Vinay T C, Venugopal K R, and L M Patnaik, “Personalizing Google’s Search Results using Naive Bayesian Probabilistic Model”, Special Issue in Neural Networks and Associative Memories, Journal of Research in Computing Science 21, pp. 87-96, 2006.
216.	Anil Nandy V, L M Patnaik and Banakar R M, “Memory-Efficient Spatial Prediction Image Compression Scheme”, Journal of Image and Vision Computing.
217.	Basavaraj Talwar, Pallappa Venkataram and L M Patnaik, “A Method for Resource and Service Discovery in MANETs”, Wireless Personal Communications Journals.
218.	Sandeep Chaplot, L M Patnaik and N R Jagannathan, “Classification of Magnetic Resonance Brain Images using Wavelets as Input to Support Vector Machine and Neural Network”, Biomedical Signal Processing and Control (BSPC), Vol.1/1, pp.86-92.
219.	Srinivasa K G, Sharath S, Venugopal K R and L M Patnaik, “Soft Computing Approach for Selective Dissemination of XML Documents”, International Journal of Lateral Computing (IJLC), World Federation of Lateral Computing, Vol. 2 No. 1 December 2005, ISSN 0973 208X pp.22-29.
220.	P Deepa Shenoy, Srinivasa K G, Venugopal K R and L M Patnaik, “Dynamic Subspace Clustering Algorithm for High Dimensional Applications”, International Transactions on Computer Science and Engineering, vol. 13, no. 1, pp. 125-136, June 2005.

221.	K B Raja, C R Chowdary, Venugopal K R, L M Patnaik, "A Secure Image Steganography on Raw Images", International Journal of Computer Science and Network Security, vol. 5, no. 1, pp. 123-129, 2005.
222.	D N Sujatha, Venugopal K R, L M Patnaik "Priority Based Channel Allocation in VOD systems", International Journal on Computer Science and Network Security, vol. 5, no. 12, pp. 21-28, December 2005.
223.	Srinivasa K G, P Deepa Shenoy, Venugopal K R, and L M Patnaik, "A Heuristic Template based Adaptive Genetic Algorithm for Data Mining Applications", IJCNS International Journal of Computer Science and Network Security, Vol. 5, No. 9, September 2005, pp. 52-58.
224.	T Shiva Prakash, Venugopal K R, L M Patnaik, "Efficient Gateway Selection for Passive Clustering in MANETS", International Journal on Computer Science and Network Security vol. 5, no. 10, pp. 64-70, October 2005.
225.	Srinivasa K G, Sharath S, Venugopal K R and L M Patnaik, "An XML Information Retrieval Mechanism Using Self-Adaptive Genetic Algorithms", International Journal of Computational Intelligence and Applications, World Scientific Publishers, Imperial College Press, vol. 5, no. 4, pp. 471-493, November 2005.
226.	P Deepa Shenoy, Srinivasa K G, Venugopal K R and L M Patnaik, "Mining Frequent Access Patterns to Reorganize the Web Structure", GESTS International Transactions on Computer Science and Engineering, Vol.3, No.6, June 2005.
227.	P Deepa Shenoy, Srinivasa K G, Venugopal K R and L M Patnaik, "Soft Computing Approach for Mining Top-k Ranked Webpages from WWW", GESTS International Transactions on Computer Science and Engineering, Vol.3, No.1, April 2005, pp.185-196.
228.	P Deepa Shenoy, Srinivasa K G, Venugopal K R and L M Patnaik, "Dynamic Mining of Frequent Web Access Patterns to Reorganize the Web Structure", Transactions on Computer Science and Engineering, vol. 8, no. 1, pp. 168-179, May 2005.
229.	P Deepa Shenoy, Srinivasa K.G, Venugopal K R, and L M Patnaik, "Dynamic Association Rule Mining using Genetic Algorithm", An International Journal on Intelligent Data Analysis, IOS Press, Vol.9, No.5, 2005, pp.439-453.
230.	V.P. Baligar, L M Patnaik, and G.R. Nagabushana, Low Complexity High Fidelity Image Compression using Fixed Treshold Method, Information Science.
231.	L M Patnaik, Daubechis-4 Wavelet with SVM as an Efficient Method for Classification of Brain Images, Journal of Electronic Imaging, Vol. 14, No.1, Jan./Mar.2005, pp. 013018 1-7.
232.	K R Venugopal, P Sreenivasa Kumar, L M Patnaik, "Routing and Wavelength Assignment in WDM Wavelength Convertible All-Optical Networks," Journal of Korea ITFE, August2003.
233.	Vishwanath P Baligar, L M Patnaik, G R Nagabushana, High Compression and Low Order Linear Predictor for Lossless Coding of Grayscale Images, Image and Vision Computing, Elsevier Science Publication, Vol 21, Issue 6, June 2003, pp. 543-550.
234.	K Rajan and L M Patnaik, Implementation of STAP Algorithms on IBM SP2 and ADSP 21062 Dual Digital Signal Processor Systems, Microprocessors and Microsystems, Vol 27, Issue 4, May 2003, pp. 221-227.
235.	K Rajan and L M Patnaik, CBP and ART image reconstruction algorithms on media and DSP Processors, Microprocessors and Microsystems, Vol 25, Issue 5, August 2001, pp.233-238.
236.	L M Patnaik and Rupa N Rao, Parallel Implementation of Neocognitron on Star Topology: Theoretical and Experimental Evaluation, Neurocomputing Journal, Vol 41, 2001, pp.109-124.
237.	L M Patnaik, Review of the book "Algorithms for VLSI Design Automation" by Sabih H Gerez, Computer Systems Science and Engineering Journal, Vol 16, No 1, January 2001, pp.61.
238.	B K S V L Varaprasad, L M Patnaik, H S Jamadagni, V K Agrawal, An Efficient Test Pattern Generation Scheme for an On-Chip BIST, VLSI Design Journal, Vol. 12, 2001, No. 4, pp. 551-562.
239.	J K Kishore, L M Patnaik, V Mani, and V K Agrawal, Application of Genetic Programming for Multicategory Pattern Classification, IEEE Transactions on Evolutionary Computation, Vol.4, No.3, September 2000, pp.242-258.
240.	A K Majhi, V D Agrawal, J Jacob, and L M Patnaik, Line Coverage of Path Delay Faults, IEEE Transactions on VLSI Systems, Vol. 8, No. 5, pp. 610-614, October 2000.
241.	J K Kishore, L M Patnaik, V Mani and V K Agrawal, Genetic programming based pattern classification with feature space partitioning, Information Sciences, Vol 131, June 2000, pp 65-86
242.	L M Patnaik and K Rajan, Target Detection through Image Processing and Resilient Propagation Algorithms, Neurocomputing, Vol.35, 2000, pp.123-135.
243.	L M Patnaik and Satrajit Gupta, Exact Output Response Computation of RC Interconnects Under General

	Polynomial Input Waveforms, VLSI DESIGN 2000, Vol. 11, No.2, pp.75-84.
244.	L M Patnaik, Review of the Book High Performance Cluster Computing: Architectures and Systems (Vol.1), Programming and Applications (Vol.2), ed. Rajkumar Buyya, Printice Hall PTR, 1999 and 2000, IEEE Concurrency, Vol.8, No.1, Jan-March 2000, pp. 86-87.
245.	L M Patnaik, Review of the book Neural Networks and Analog Computation by H.T.Sieglmann.Birkhauser Verlag AG, 1998 in Current Science, Vol.78, No.5, 10 March 2000,pp.631.
246.	B Prameela and L M Patnaik, Parallel Implementation of Alternate Quadrant Interlocking Factorisation Method on Star Topology, International Journal of High Speed of Computing, Vol.10, No.4, December 1999, pp.361-378.
247.	L M Patnaik and S Udaykumar, Mapping Adaptive Resonance Theory onto Ring and Mesh Architectures, Neurocomputing Journal, Vol. 25 (1999), pp. 39-54.
248.	Anoop Jayadevan and L M Patnaik, Fault-Tolerant Characteristics and Topological Properties of a Hierarchical Network of Hypercubes, International Journal of High Speed Computing, Vol.10, No.1, March 1999, pp. 1-17.
249.	J. Mohan Kumar, L.M Patnaik, and B. Nag, Fault-Tolerant Message Routing in the Extended Hypercube, Euromicro Journal of Systems Architecture, Vol. 44, Nos.9-10, 1998, pp. 691-702.
250.	L M Patnaik, What is New in Computers? Mobile Computing, Resonance, Journal of Science Education, Vol. 3, No. 5, May 1998, pp. 48-62.
251.	L M Patnaik and R Sriram, Performance Evaluation of ATM Switch Scheduling Algorithm for Video Transmission, Computer Communications, Vol.21, No.8, June 1998, pp.715-726.
252.	Mohan Kumar and L M Patnaik, Special Issue Editorial (Automatic Loop Parallelization), The Computer Journal, Vol. 40, No. 6, 1997, pp.301.
253.	Gaurav D Ghare, and L M Patnaik,Implementation of ART1 and ART2 Artificial Neural Networks on Ring and Mesh Architectres, International Journal of High Speed Computing, Vol.9,No.1,1997,pp.41-56.
254.	M.Srinivas, and L.M.Patnaik, On an Exact Populationary Model of Genetic Algorithms, Information Sciences, Vol.99, No.2, June 1997, pp.37-67.
255.	J Mohan Kumar and L M Patnaik, Mapping of Artificial Neural Networks onto Message Passing Systems, IEEE Transactions on Systems, Man, and Cybernetics - Part B, Vol. 26, No. 6, Dec. 1996, pp. 822 - 835.
256.	M. Srinivas and L.M. Patnaik, On Modeling Genetic Algorithms for Functions of Unitation, IEEE Transactions on Systems, Man, and Cybernetics - Part B, Vol. 26, No. 6, December 1996, pp 809 - 821.
257.	Srilata Raman, and L M Patnaik, Performance - Driven MCM Partitioning Through An Adaptive Genetic Algorithm, IEEE Transactions on VLSI Systems, Vol.4, No. 4, Dec 96, pp 434-444.
258.	M. Srinivas and L.M Patnaik, Genetic Search: Analysis Using Fitness Moments, IEEE Transactions on Knowledge and Data Engineering, Vol. 8, No. 1, February 1996, pp. 120-133.
259.	Rajeev Jayaram, Rajib Mall, L.M. Patnaik, and Claude Girault, A Formalism to Model Task Execution in Distributed Systems, Information Sciences, Vol. 88, No. 1-4, January 1996, pp. 113-129.
260.	Ananta K. Majhi, James Jacob and L.M. Patnaik, A Novel Path Delay Fault Simulator Using Binary Logic, VLSI Design: An International Journal of Custom Chip Design, Simulation and Testing, Vol.4, No.3, 1996, pp. 167 - 179.
261.	M. Srinivas and L.M. Patnaik, On Generating Optimal Signal Probabilities for Random Tests: A Genetic Approach, VLSI Design: An International Journal of Custom Chip Design, Simulation and Testing, Vol.4, No.3, 1996, pp.207-215.
262.	Srilata Raman and L.M.Patnaik, An Overview of Techniques for Partitioning Multichip Modules, International Journal of High Speed Electronics and Systems, Vol.6, No. 4, 1995, pp. 539-553.
263.	Akhil Sahai and L.M. Patnaik, Performance Evaluation of Back propagation Neural Network Implementation on Single Program Multiple Data (SPMD) Architecture, Parallel Algorithms and Applications, Vol 7, Issue 3-4, December 1995, pp. 267-281.
264.	J. Mohan Kumar, S. Venkatesh, D. Kieronska, and L.M.Patnaik Hierarchical Directory-based Shared Memory Architecture, The Computer Journal, Vol 38, No. 3, 1995, pp. 207 -216.
265.	A.K.Majhi, L.M.Patnaik and S.Raman, A Genetic Algorithm-Based Circuit Partitioning for MCMs, Microprocessing and Microprogramming, The Euromicro Journal, Vol.41, 1995, pp.83-96.
266.	L.M. Patnaik, Overview of Neurocomputers, Current Science,Vol. 68, No.2 25 Jan 1995,pp.156-162.
267.	R. Mall and L.M. Patnaik, Automatic Verification of Distributed Logic Specifications, Microprocessing and Microprogramming Journal, Vol. 40, 1994, pp. 43-56.
268.	Samir M. Koriem and L.M. Patnaik, Performance Analysis of the node/link Behaviour of Multicomputer Networks with Input Buffer Linking and Channel Contention, Computer Communications, Vol.17, No.9,

	September 1994, pp.647-656.
269.	J. Purushotham, A. Basu, D. Kulkarni and L.M. Patnaik, Performance of a Pipelined Ring Algorithm for Fast Fourier Transform on Transputer Arrays, Journal of Computers and Electrical Engineering, Vol. 20, No. 4, July 1994, pp 319 - 326.
270.	R. Mall, Srilata Raman, and L.M. Patnaik, A Parallel Simulated Annealing-based Channel Router, Intl. Journl. of High Speed Computing, Vol. 6, No. 1, March 1994, pp. 101-114.
271.	K. Rajan, L.M.Patnaik, and J. Ramakrishna, Parallel Implementation of the EM Algorithm for Pet Image Reconstruction, Proceedings of the International Workshop on Parallel Processing (1st IWPP), Bangalore, India, 26-31 December, 1994, pp.157-161.
272.	D P Agrawal and L M Patnaik, "Special Issue on Performance of Supercomputers Guest Editors Introduction", Journal of Parallel and Distributed Computing, Vol.19, 1993, pp.143.
273.	T.G. Venkatesh and L.M. Patnaik, Adiabatic Approach to Mean-First-Passage-Time Computation in Bistable Potential with Colored Noise, Physical Review E, Vol 47, No. 3, March 1993, pp.1589-1594.
274.	T.G. Venkatesh and L.M. Patnaik, An Effective Fokker-Planck equation:Path Integral Formalism, Physical Review E, Vol. 48, No. 4, October 1993, pp. 2402-2412.
275.	L.M. Patnaik, Beyond CADMAD, BADCAD, SADCAD and the like, Computer Aided Design, Vol. 25, No. 10, October 1993, pp. 619.
276.	R. Krishna Kumar, S.K. Sinha and L.M. Patnaik, A Fault-Tolerant Multi-Transputer Architecture, Microprocessors and Microsystems, Vol. 17, No. 2, 1993, pp. 75-81.
277.	R. Mall and L.M. Patnaik, Specification of Real-Time Systems, International Journal of Software Engineering and Knowledge Engineering, Vol. 3, No. 2, 1993, pp. 267-285.
278.	S.M. Koriem and L.M. Patnaik, Fault-Tolerance Analysis of Hypercube Systems Using Petri Net Theory, Journal of Systems and Software, Vol. 21, 1993, pp.71-88.
279.	L.M. Patnaik and J. Mohan Kumar, Distributed Memory Systems for Simulating Artificial Neural Networks,(Invited Paper) Journal of Computers and Electrical Engineering, Vol. 19, No. 6, 1993, pp. 431-443.
280.	T.G. Venkatesh and L.M. Patnaik, Noise-spike-induced Escape in Bistable System driven by Colored Noise: Noise with Long Correlation Times, Physical Review A, Vol. 46, No. 12, December 1992, pp. R7355-R7358.
281.	S. Balaji, L.M. Patnaik, Lawrence Jenkins and P.S. Goel, S-Nets: A Petri Net Based Model Performance Evaluation of Real-Time Scheduling Algorithms, Journal of Parallel and Distributed Computing, Vol.15, No.7, Jul. 1992, pp. 225-237.
282.	Indu Mahadevan and L.M. Patnaik, Performance Evaluation of Bidirectional - Associative Memory on a Transputer-Based Parallel System, Journal of Parallel Computing, 18(1992) pp.401-413.
283.	I. Devi Prasad, L.M. Patnaik and I.S.N. Murthy, An Optimal Parallel Algorithm for Sparse Matrix Bandwidth Reduction on a Linear Array, International Journal of Computer Mathematics, Vol. 42, No.1 & 2, 1992, pp. 7-20.
284.	Chandan Haldar and L.M.Patnaik, On Movable Separability and Isotheticity, Information Sciences, Vol. 62, 1992, pp.87-102
285.	S. Srinivas, A. Basu, K.G. Kumar, A. Paulraj and L.M. Patnaik, Pipelined Ring Algorithm for Matrix Multiplication on Transputer Networks: Performance Analysis and Estimation, Computer Systems Science and Engineering, Vol.7, No.1, Jan. 1992, pp.42-51.
286.	D. Sreenivasa Rao and L.M. Patnaik, Circuit Layout through an Analogy with Neural Networks, Computer Aided Design, Vol.24, No.5, May 1992, pp. 251-257.
287.	L.M. Patnaik, Current Trends in Parallel Computing (Invited Paper), IETE Technical Review, Vol. 9, No. 6, 1992, pp. 435-442.
288.	B.V. Purushotham, A. Basu, P.S. Kumar, and L.M. Patnaik, Performance Estimation of LU Factorisation on Message Passing Multiprocessors, Parallel Processing Letters, Vol. 2, No. 1, Mar. 1992, pp. 51-60.
289.	R. Mall and L.M. Patnaik, Parallel Maze Routing on Hypercube Computers, Computer Aided Design, Vol.23, No.6, July 1991, pp.454-459.
290.	S.K. Das, D. Sarkar, V.K. Agrawal, L.M. Patnaik and P.S. Goel, Extended Colored Petri Net: An Efficient Tool for Analyzing Concurrent Systems, Information Sciences, Vol.54, No.3, April 1991, pp.191-218.
291.	S. Raman, L.M. Patnaik, J. Silc and M. Spiegel, Parallel Implementation of VLSI Circuit Simulation, Informatica, A Journal of Computing and Informatics, No. 2, 1991, pp. 14-22.
292.	A.V.S. Sastry and L.M. Patnaik, OR-Parallel Evaluation of Logic Programs on a Multi-Ring Dataflow Machine, New Generation Computing, Vol.10, No.1, 1991, pp.23-54.
293.	S. Sundaram and L.M. Patnaik, Logic Simulation Algorithms: An Overview, Journal of the Institution of

	Engineers (India), Telecommunication Group, Vol.72, May1991. pp. 1-7.
294.	R. Mall and L.M. Patnaik, Formal Timing Analysis of Distributed Systems, International Journal of Parallel Programming, Vol.20, No.2, April 1991, pp.75-94.
295.	J. Mohan Kumar and L.M. Patnaik, Performance Studies of a Transputer-Based Extended Hypercube, Journal of the Indian Institute of Science, No.71, March/April 1991, pp.117-123.
296.	C.P. Ravikumar, L.M. Patnaik and Sarma Sastry, A Parallel Min-Cut Placement on Reduced Hardware SIMD Architecture, Computer Systems Science and Engineering, Vol.6, No.1, Jan.1991, pp.3-12.
297.	S.M. Koriem and L.M. Patnaik, Performance Evaluation of Distributed Memory Architectures Using Generalized Stochastic High-Level Petri Nets, Proceedings of the Al-Azhar Engineering Second International Conference, Al-Azhar University, Cairo, Egypt, December 21-24, 1991.
298.	Srilata Raman, L.M. Patnaik and R.Mall, Parallel Implementation of Circuit Simulation, International Journal of High Speed Computing, Vol.2, No.4, Dec.1990, pp. 351-373.
299.	J. Mohan Kumar, L.M. Patnaik and Divya K. Prasad, Transputer-Based Extended Hypercube, Microprocessing and Microprogramming, Vol.29, No.4, Dec.1990, pp. 225-236.
300.	Chandan Halder and L.M. Patnaik, Oracle Complexities for Computational Geometry of Semi-Algebraic Sets and Voronoi Diagrams, Information Processing Letters, Vol.36, No.2, October 15, 1990, pp. 95-102.
301.	S. Srinivas, A. Basu, K.G. Kumar, A.Paulraj and L.M.Patnaik, Studies on the Performance of a Parallel Iterative Algorithm on Transputer Arrays, International Journal of High Speed Computing, Vol.2, No.3, Sept. 1990, pp. 265-287.
302.	K.B.Sriram and L.M.Patnaik, Neural Network Approach for the Two-Dimensional Assignment Problem, Electronics Letters, Vol.26, No.12, June 1990, pp. 809-810.
303.	A.K.Goswami and L.M.Patnaik, A Functional Style of Programming with CSP like Communication Mechanisms, New Generation Computing, Vol.7, No.4, April 1990, pp. 341-364.
304.	C.P.Ravikumar and L.M.Patnaik, Performance Improvement of Simulated Annealing Algorithms, Computer Systems Science and Engineering, Vol.5, No.2, April 1990, pp. 111-115.
305.	S.R.Das, N.H.Vaidya and L.M.Patnaik, Design and Implementation of a Hypercube Multiprocessor, Microprocessors and Microsystems, Vol.14, No.2, March 1990, pp. 101-106.
306.	S.R.Das, N.H.Vaidya, P.C.Mathias and L.M.Patnaik, A Systolic Algorithm for Hidden Surface Removal, Journal of Parallel Computing, Vol.15, 1990, pp. 277-289.
307.	Srilata Raman and L.M.Patnaik, An Annealing-Based Circuit Partitioner for Hypercube Architecture: Design and Performance Evaluation, International Journal of High Speed Computing, Vol.2, No.1, 1990, pp. 69-84.
308.	R.Govindarajan and L.M.Patnaik, Lenient Execution and Concurrent Execution of Re-entrant Routines: Efficient Implementation in Data Flow Systems, The Computer Journal, Vol.33, No.2, 1990, pp.185-187.
309.	Jurij Silc, Borut Robic and L.M.Patnaik, Performance Evaluation of an Extended Static Data flow Architecture, Computers and Artificial Intelligence, Vol.9, No.1, 1990, pp. 43-60.
310.	Dilip Sarkar, Sajal Kumar Das, Vinod Kumar Agrawal and L.M.Patnaik, A New Methodology for Analyzing Distributed Systems Modelled by Petri Nets, International Journal of Computer Mathematics. Vol. 31-32, No. 1-4, 1990, pp. 153-165.
311.	R.Mall and L.M.Patnaik, Verifying Real-Time Properties of Programs, National Workshop on Computers in Real-Time Applications, Kalpakkam, 4-7 December 1990, pp. S2.1.1-S2.1.4.
312.	R.Mall and L.M. Patnaik, PMAZE: A Parallel Maze Routing Algorithm for Hypercube Computers, Proceedings of the Third International Workshop on VLSI Design, Bangalore, Jan. 1990, pp.124-132.
313.	N.Jagadish, J.Mohan Kumar and L.M.Patnaik, An Efficient Scheme for Interprocessor Communication Using Dual Ported RAMs, IEEE Micro, Vol.9, No.5, October 1989, pp.10-19.
314.	R.Govindarajan, R.Kumar, D.Kumar and L.M.Patnaik, PROMIDS: A PRO to type Multi-Ring Data Flow System for Functional Programming Languages, Microprocessing and Microprogramming, Vol.26, No.3, Oct. 1989, pp.161-174.
315.	P.C.Mathias, L.M.Patnaik and Sudha Ramesh, Systolic Architectures in Curve Generation, Computers and Graphics, Vol.13, No.4, 1989, pp.561-567.
316.	Srilata Raman and L.M.Patnaik, HIRECS: Hypercube Implementation of Relaxation Based Circuit Simulation, International Journal of High Speed Computing, Vol.1, No.3, Sept.1989, pp.399-432.
317.	C.P.Ravikumar, S.Sastry and L.M.Patnaik, Parallel Circuit Partitioning on Reduced Array Architecture, Computer Aided Design, Vol.21, No.7, Sept.1989, pp.447- 455.
318.	L.M.Patnaik and J.Mohan Kumar, Modelling Neural Networks, IETE Technical Review, Vol.6, No.4, 1989, pp.304-311.
319.	A.V.S.Sastry and L.M. Patnaik, OR-Parallel Execution of Logic Programs on Modified Manchester

	Dataflow Architectures, Journal of Computer Science and Informatics, Vol.19, No.1, 1989, pp. 23-29.
320.	V.K.Agrawal, L.M.Patnaik and P.S.Goel, Specification-Driven Approach for Protocol Design of Distributed Computing Systems, Journal of Microcomputer Applications, Vol.12, No.2, April 1989, pp.107-126.
321.	D. Sreenivasa Rao and L.M. Patnaik, A Neural Network Based Approach to Standard Cell Placement, Electronics Letters, Vol.25, No.3, 2 February, 1989, pp.208-209.
322.	Wu Wang, S.Sitarama Iyengar and L.M. Patnaik, Memory-Based Reasoning Approach for Pattern Recognition of Binary Images, Pattern Recognition, Vol.22, No.5, 1989, pp.505-518.
323.	S.K. Das, V.K. Agrawal, Dilip Sarkar, and L.M. Patnaik, Invariant-Preserving Petri Net Reduction and Conditions for Invariant-Existence, Computers and Electrical Engineering, Vol.14, No.3/4, 1988, pp.75-91.
324.	P.C.Mathias and L.M.Patnaik, A Systolic Evaluator for Linear, Quadratic and Cubic Expressions, Journal of Parallel and Distributed Computing, Vol.5, No.6, Dec.1988, pp.729-740.
325.	R.Govindarajan and L.M. Patnaik, Parallel Execution of Logic Programs in Functional Languages:An Implementation using the Data Flow Model,Special Issue of Vivek on Knowledge-Based Computer Systems, Vol.1, No.4, Oct.1988, pp. 15-29.
326.	M.Gopalakrishnan and L.M.Patnaik, Medium Access Control Schemes for Local Area Networks with Multiple Priority Function, The Computer Journal, Vol. 31, No.3, June 1988, pp. 209-219.
327.	A.V.S.Sastry, L.M.Patnaik and Juri Silc, Dataflow Architectures for Logic Programming, Electrotechnical Review, Ljubljana, Yugoslavia, Vol.55, No.1, Jan-March 1988, pp. 9-19.
328.	L.M.Patnaik, R.Govindarajan, M.Spiegel and J.Silc, A Critique on Parallel Computer Architecture, Journal of Computing and Informatics, No.2, 1988, pp. 47-64.
329.	A.G.Venkataramana and L.M.Patnaik, Design and Performance Evaluation of a Systolic Architecture for Hidden Surface Removal, Computers and Graphics, Vol.12, No.1, 1988, pp.71-74.
330.	J.Basu, L.M.Patnaik and A.K.Goswami, Ordered Ports - A Language Concept for High-Level Distributed Programming, The Computer Journal, Vol.30, No.6, Dec. 1987, pp. 487-497.
331.	D.Krishnan and L.M.Patnaik, Systolic Architecture for Boolean Operations on Polygons and Polyhedra, Computer Graphics Forum, Vol.6, No.3, July 1987, pp. 203-210.
332.	S.K.Nandy and L.M.Patnaik, Algorithm for Incremental Compaction of Geometrical Layouts, Computer Aided Design, Vol. 19, No.5, June 1987, pp. 257-265.
333.	D.Ghosal and L.M.Patnaik, SHAMP: An Experimental Shared Memory Multimicroprocessor System for Performance Evaluation of Parallel Algorithms, Microprocessing and Microprogramming Vol.19, No.3, 1987, pp. 179-192.
334.	L.M.Patnaik and R.Govindarajan, Experimental Multimicroprocessor Systems: Design and Performance Evaluation Issues, Invited paper at the National Seminar on Microprocessors in Steel Industry, Ranchi, India, Sept. 1987, pp. 34-40.
335.	L.M.Patnaik, Modelling, Simulation, Optimization and Control of an Ammonia Reactor, Invited Paper at the National Workshop on Modelling, Simulation and Optimization for the Fertilizer Industry, Sept. 1987.
336.	L.M.Patnaik, Artificial Intelligence Tools for CAD/CAM, Invited Paper at the CSI Regional Convention, Mysore, India, Jan. 1987. ,A Robust Zero Watermarking Algorithm for Stereo Audio Signals
337.	S.V.K. Prabhakar, I.S.N. Murthy and L.M. Patnaik.Diagnostic Reasoning in Medical Domains: Guiding the Qualitative Simulation through the Experience of Experts, Dept. of Elec. Engg., IISC, Jan. 1987.
338.	S.K.Nandy and L.M.Patnaik, A Linear Time Geometrical Design Rule Checker Based on Quadtree Representation of VLSI Mask Layouts, Computer Aided Design, Vol.18, No.7, Sept. 1986, pp. 380-388.
339.	M.Gopalakrishnan and L.M.Patnaik, Integrating Voice and Data on SALAN: An Experimental Local Area Network, Computer Communications, Vol.9, No.4, Aug, 1986, pp. 186-194.
340.	L.M.Patnaik, R.S.Shenoy and D.Krishnan, Set Theoretic Operations on Polygons Using the Scan-Grid Approach, Computer Aided Design, Vol.18, No.5, June 1986, pp. 275-279.
341.	D.Krishnan and L.M.Patnaik, GEODERM - GEOMETRIC Shape Design System Using an Entity Relationship Model, Computer Aided Design, Vol.18, No.4, May 1986, pp. 207-218.
342.	L.M. Patnaik, Current Trends in Parallel Computing (Invited Paper), IETE Technical Review, Vol. 9, No. 6, 1992, pp. 435-442.
343.	K.Viswanathan Iyer and L.M.Patnaik, Performance Study of a Centralized Concurrency Control Algorithm for Distributed Database Systems Using SIMULA, The Computer Journal, Vol.29, No.2, April 1986, pp. 118-126.
344.	D.Ghosal and L.M.Patnaik, Parallel Polygon Scan Conversion Algorithms: Performance Evaluation on a

	Shared Bus Architecture, Computers and Graphics Vol.10, No.1, 1986, pp. 7-25.
345.	L.M.Patnaik and K.Sundararaman, Performance Evaluation of a Distributed Concurrency Control Algorithm, Computers and Electrical Engineering Vol.12, No.1/2, 1986, pp. 73-88.
346.	V.K.Agrawal, L.M.Patnaik and P.S.Goel, Towards Formal Specification of a Distributed Computing System, International Journal of Computer and Information Sciences, Vol.14, No.5, 1985, pp. 277-306.
347.	L.M.Patnaik and D.M.Chowdhary, Generalized Query-By-Rule: A Heterogeneous Database Query Language, Computer Languages, Vol.10, No.3/4, 1985, pp. 165-178.
348.	L.M.Patnaik and P.S.Gill, GRDB: A General Purpose Relational Database System, Information Systems, Vol.10, No.2, 1985, pp. 169-180.
349.	S.Manohar, N.Murali and L.M.Patnaik, Design of a Multibus Compatible Colour Graphics Subsystem, Microprocessors and Microsystems, Vol.8, No.6, July/Aug. 1984, pp. 284-289.
350.	L.M.Patnaik and B.R.Badrinath, Implementation of CSP-S for Description of Distributed Algorithms, Computer Languages, Vol.9, No.3/4, 1984, pp. 193-202.
351.	L.M.Patnaik, P.Bhattacharya and R.Ganesh, DFL: A Data Flow Language, Computer Languages, Vol.9, No.2, 1984, pp. 97-106.
352.	M.Gopalakrishnan and L.M.Patnaik, SALAN: A Microprocessor-Based Medium Speed Experimental Local Area Network, Interfaces in Computing, Vol.2, 1984, pp. 229-240
353.	R.S.Shenoy and L.M.Patnaik, Data Definition and Manipulation Languages for a CAD Database, Computer Aided Design, Vol.15, No.3, May 1983, pp. 131-134.
354.	P.S.Hariharan and L.M.Patnaik, ADAMIS: A DATAbase for Medical Information Systems, Computer Programs in Biomedicine, Vol.16, No.3, 1983, PP. 139-148.
355.	L.M.Patnaik, B.A.Gadkari and L.Ramakrishnan, Implementation of Placement and Routing Algorithms for Computer Aided Design of Printed Circuit Boards, Computers and Graphics, Vol.7, No.3-4, 1983, pp. 333-347.
356.	L.M.Patnaik, N.Viswanadham and I.G.Sarma, Hierarchical Control of an Ammonia Reactor, IEEE Transactions on Systems, Man and Cybernetics, Vol.SMC-12, No.6, Nov./Dec. 1982, pp. 919-924.
357.	L.M.Patnaik and U.Dixit, Computer Aided Design of Digital Systems at Functional Level, International Journal of Electrical Engineering Education, Vol.19, No.4, Oct. 1982, pp. 333-340.
358.	L.M.Patnaik and D.K.Anvekar, Case Study of Microcomputer-Minicomputer Link, Journal of Microcomputer Applications, Vol.5, 1982, pp. 225-230.
359.	L.M.Patnaik and N.Ramesh, Implementation of an Interactive Relational Graphics Database, Computers and Graphics, Vol.6, No.3, 1982, pp. 93-96.
360.	Y.N.Srikant, D.Vidyasagar and L.M.Patnaik, An Interactive Graphics System for 2-D Drawing and Design, Computers and Graphics, Vol.6, No.1, 1982, pp. 23-27.
361.	K.Anbumani, L.M.Patnaik and I.G.Sarma, Self-Tuning Minimum-Variance Control of Nonlinear Systems of the Hammerstein Model, IEEE Transactions on Automatic Control, Vol. AC-26, No.4, Aug. 1981, pp. 959-961.
362.	L.M.Patnaik and V.Rajendra Prasad, Hybrid Simulation of Queuing-System Dynamics, IEEE Transactions on Reliability, Vol.R-30, No.1, April 1981, pp. 75-78.
363.	K.Anbumani, L.M.Patnaik and I.G.Sarma, Self-Tuning Control of a Class of Multivariable Non-Linear Systems, International Journal of Systems Science, Vol.12, No.11, Nov. 1981, pp. 1273-1285.
364.	L.M.Patnaik, N.Viswanadham and I.G.Sarma, Steady State Optimization of an Ammonia Reactor, Computers and Electrical Engineering, Vol.7, No.3, Sept.1980, pp. 217-223.
365.	L.M.Patnaik, N.Viswanadham and I.G.Sarma, State Space Formulation of Ammonia Reactor Dynamics, Computers and Chemical Engineering, Vol.4, No.4, 1980, pp. 215-222.
366.	L.M.Patnaik, N.Viswanadham and I.G.Sarma, Design of Single Variable Controllers for Ammonia Reactors, Chemical Engineering Science, No.3, 1980, pp.754-756.
367.	L.M.Patnaik, and Sarah Joseph, DARE/ELEVEN - A Continuous System Simulation Language, submitted to Electronics Commission, Government of India, July 1979.
368.	L.M.Patnaik, I.G.Sarma and N.Viswanadham, Optimization of an Ammonia Reactor Using Regression Analysis, International Journal of Systems Science, Vol.10, No.2, February 1979, pp. 225-241.
369.	N.Viswanadham, L.M.Patnaik and I.G.Sarma, Robust Multivariable Controllers for a Tubular Ammonia Reactor, Transactions of the American Society of Mechanical Engineers, Journal of Dynamic Systems, Measurement and Control, Vol.101, 1979, pp. 290-298.
370.	L.M.Patnaik, S.Rajaram, and N.Chakrapani, Design and Implementation of a Real-Time Monitor for Process Control Applications, submitted to Electronics Commission, Government of India, July 1979.

371.	L.M.Patnaik, I.G.Sarma and N.Viswanadham, Modeling and Hybrid Simulation of Tubular Ammonia Reactor, Proceedings of VIII Automation Conference, May 1977.
372.	L.M.Patnaik and J.H.Taylor, A Compensating Incubator to Correct Metabolic Malfunction, Journal of the Institution of Engineers (India), Vol.53, ET3, Jan. 1973, pp. 115-120.

International Conferences

1.	Raghavendra S, Geeta Mara, Rajkumar Buyya, Venugopal KR, S S Iyengar, and L M Patnaik, Domain and Range Specific Index Generation for Encrypted Cloud Data, 2016 International Conference on Computational Techniques in Information and Communication Technologies(ICCTICT).
2.	Sunita V. Dhavale, Rajendra S. Deodhar, Debasish Pradhan and L. M. Patnaik, "A Robust Zero-Watermarking Algorithm for Stereo Audio Signals", 10th ACM Symposium on Information, Computer and Communications Security (ASIACCS-2015), Singapore, April 14-17, 2015 .
3.	Sejal D, Rashmi V, Anvekar Dinesh, Venugopal K R, Iyengar S S and Patnaik L M, "IRAbMC : Image Recommendation with Absorbing Markov Chain", In the Proceedings of INDICON 2015, December 2015.
4.	Arunalatha J S, Rangaswamy Y, Shaila K, Raja K B, Dinesh Anvekar, Venugopal K R, S S Iyengar, L M Patnaik, "IRHDF: Iris Recognition using Hybrid Domain Features," In the Proceedings of IEEE INDICON-2015, 17-20 December 2015.
5.	S Raghavendra, C M Geeta, Rajkumar Buyya, K R Venugopal, S S Iyengar, and L M Patnaik. "MSIGT: Most Significant Index Generation Technique for Cloud Environment", In the Proceedings of the 12th IEEE India International Conference on INDICON 2015, December 2015.
6.	Leena Giri G, Praveen Gowda I V, Manjula S H, Venugopal K R, L M Patnaik, "In Page Semantic Ranking of Snippets for WebPages", In the Proceedings of Sixth International Conference on advances in Computing, Control and Telecommunication Technologies – ACT 2015, Trivandrum, India , 30-31 October 2015,
7.	Tanuja R, Shruthi Y R, Manjula S H, Venugopal K R, L M Patnaik, " Token based Privacy Preserving Access control in Wireless Sensor Networks", In the Proceedings of IEEE 21 st Annual International Conference on Advanced Computing and Communications ADCOM- 2015, IIT Chennai, 18-20 September 2015.
8.	Venkatesh, T. N. Ashwinia, L. Akshaya, V. Tejaswi, K. R. Venugopal, S. S. Iyengar, L. M. Patnaik, "RPRDC: Reliable Proliferation Routing with low Duty-Cycle in Wireless Sensor Networks", In the Proceedings of Eleventh International Multi-Conference on Information Processing-2015 (IMCIP-2015), August 2015.
9.	Arunalatha J S, Tejaswi V, Shaila K, Dinesh Anvekar, Venugopal K R, S S Iyengar , L M Patnaik. "FIVDL: Fingerprint Image Verification using Dictionary Learning," In the Proceedings of Eleventh International Multi-Conference on Information Processing (IMCIP-2015), Bangalore, August 2015.
10.	G.U. Vasanthakumar, Bagul Prajakta, P. Deepa Shenoy, K.R. Venugopal, L.M. Patnaik, "PIB: Profiling Influential Blogger in Online Social Networks, A Knowledge Driven Data Mining Approach", Procedia Computer Science, Volume 54, Pages 362-370, August 2015.
11.	S Raghavendra, C M Geeta, K Shaila, Rajkumar Buyya, K R Venugopal, S S Iyengar, and L M Patnaik. "MSSS: Most Significant Single-keyword Search over Encrypted Cloud Data", In the Proceedings of the 6th Annual International Conference on ICT: BigData, Cloud and Security, Singapore July 2015.
12.	Sejal D, Shailesh K G, Tejaswi V, Anvekar Dinesh, Venugopal K R, Iyengar S S and Patnaik L M, "Query Click and Text Similarity Graph for Query Suggestions", In the Proceedings of Machine Learning and Data Mining in Pattern Recognition, pp.328-341, Springer, Germany, July 2015
13.	Sejal D, Kamalakant T, Tejaswi V, Anvekar Dinesh, Venugopal K R, Iyengar S S and Patnaik L M, "WNPWR: Web navigation prediction framework for webpage recommendation" , In the Proceedings of IEEE 2nd International Conference on Recent Trends in Information Systems (ReTIS), pp.120-125,

	Kolkata, July 2015
14.	Sejal Desai, Vinuth Chandrasheker, Vijay Mathapati, Venugopal K. Rajuk, Sundaraja S. Iyengar and Lalit M. Patnaik, "RSR : Related Search Recommendation with User Feedback Session ", In the Proceedings of the European Conference on Data Mining 2015, pp. 19-27, Spain, July 2015
15.	V. Jha, N. Manjunath, P. D. Shenoy, K. Venugopal, and L. Patnaik, "HOMS: Hindi Opinion Mining System," In the Proceedings of IEEE International Conference on Recent Trends in Information Systems (ReTIS), 2015, pp. 366–371, July 2015.
16.	Arunalatha J S, Prashanth C R, Tejaswi V, Shaila K, Raja K B, Dinesh Anvekar, Venugopal K R, S S Iyengar, L M Patnaik, " Principal Component Variances based Off-line Signature Verification," In the Proceedings of Second IEEE Conference on Recent Trends in Information Systems (RETIS 2015), Jadavpur University, Kolkatta, July 2015.
17.	Sejal D, Shailesh K G, Tejaswi V, Dinesh Anvekar, Venugopal K R, S S Iyengar, L M Patnaik, "QRGQR: Query Relevance Graph for Query Recommendation" In the Proceeding of IEEE Region 10 Symposium (TENSYP), pp.78-81, Ahmadabad, May 2015
18.	N. Sathisha, K. Suresh Babu, K. B. Raja, K. R. Venugopal and L. M. Patnaik "Mantissa Replacement Steganography using LWT," In the Proceedings of Third International Conference on Signal Processing, Communications and Networking (ICSCN 2015), pp. 1-7, Madras, March 2015.
19.	Arunalatha J S, Ramachandra A C, Tejaswi V, Shaila K, Raja K B, Dinesh Anvekar, Venugopal K R, S S Iyengar, L M Patnaik, "WCTFR: Wrapping Curvelet Transform based Face Recognition," International Conference on Image and Signal Processing (ISPR), Bangalore, 28-29, March 2015.
20.	Arunalatha J S, Suvarna C, Venugopal K R, L M Patnaik, "FCHE: Face Classification using Histogram Equalization," In the Proceedings of International Conference on Electrical, Electronics and Data Communication (ICEEDC), Singapore, March 2015.
21.	Lata B T, Sumukha T V, Suhas H, Tejaswi V, Shaila K, Venugopal K R, L M Patnaik, "SALR: Secure Adaptive Load-Balancing Routing in Service Oriented Wireless Sensor Networks", In the Proceedings of IEEE International Conference on Informatics, Communication and Energy Systems, NIT Calicut, India, February 2015.
22.	Tanuja R, Souparnika P Arudi, S H Manjula, K R Venugopal, L M Patnaik, "TKP: Three Level Key Pre-distribution with Mobile Sinks for Wireless Sensor Networks," In the Proceedings of IEEE SPICES 2015, NIT Calicut, 19-21 February 2015.
23.	Satish Bhairannawar, Pramod S P, Naveen K M, Raja K B, Venugopal K R and L M Patnaik, "FPGA Based Fingerprint Recognition using Fusion of CLBP and DWT", In the Proceedings of IEEE International Conference on Pervasive Computing, Pune, 2015
24.	Asha S Manek, Sahana T, P Deepa Shenoy, M Chandra Mohan, Venugopal K R, L M Patnaik, "Repc-SSMS ; Repetive Preprocessing and Clustering Approach for Filtering Spam SMS Messages using Naïve Bayes Classifier", Eighth International Conference on Data Mining and Ware Housing ICDMW - 2014, Bangalore, July 25 - 27, 2014.
25.	G Sunilkumar, Thriveni J, Venugopal K R and L M Patnaik, "A Perspective to Adopt Continuous Dynamic Cognition for Malicious Node Detection in Heterogeneous Networks", In Proceedings of International Conference on Information and Communication Technologies (ICICT 2014), Elsevier, Procedia Computer Science, vol. 46, pp. 997–1004, CUSaT, Kochi, India, 3-5 December 2014.
26.	Lata B T, Raghavendra M, Sumukha T V, Suhas H, Tejaswi V, Shaila K, Venugopal K R, and L M Patnaik, "DRFSD: Directed Restricted Flooding for Secure Data-Aggregation in Wireless Sensor Networks", In Proceedings of the International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (ICTAEECE-2014), Singapore, September, 2014.
27.	Lata B T, Sumukha T V, Suhas H, Raghavendra M, Shaila K, Venugopal K R, and L M Patnaik, "DSWSD: Double Sliding Window for Secure Data Transmission in Wireless Sensor Networks", In Proceedings of the International Conference on Science, Technological, Engineering and Management (ICSTEM-2014), Singapore, September, 2014.
28.	Lata B T, Tejaswi V, Shaila K, Raghavendra M, Venugopal K R, S S Iyengar, L M Patnaik, "SGR:Secure Geographical Routing in Wireless Sensor Networks", In IEEE Proceedings of the 9th International Conference on Industrial and Information Systems (ICIIS), Indian Institute of Information Technology and Management (IIITM), Gwalior, India, December 2014.
29.	Prabha R, Prashanth Kumar Gouda, Manjula S H, K R Venugopal and L M Patnaik. "TTACCA: Two hop based Traffic Aware Congestion Control Algorithm for Wireless Sensor Networks", In the Proceedings of Sixth International Conference on Applications of Graph Theory in Wireless Adhoc and Sensor Networks, Chennai, 27 th and 28 th December 2014.

30.	B M Thippeswamy, Reshma S, Raghavendra M, Shaila K, Dinesh Anvekar, Venugopal K R, S S Iyengar, L M Patnaik, "DSARMP: Data Sinking using Angle Routing with Multiple Partition in WSNs" In the Proceedings of International Conference on Advances in Computer Engineering, December 2014.
31.	Srikantaiah K C, Shashidhar S, Krishna Kumar N, Venugopal K R, L M Patnaik. "Mapping Of Web Pages Onto Topic Directories Using Levenshtein Similarity Weight", 7th International conference on Advanced Computer Theory and Engineering (ICACTE-2014), August 8-10, 2014, Singapore.
32.	S Kumaraswamy, Manjula S H, K R Venugopal, Iyengar S S, L M Patnaik, "Interestingness Measure on Privacy Preserved Data With Horizontal Partitioning", In the Proceedings of 11 th IEEE International Conference on Emerging Trends and Innovation in Technology (INDICON 2014), Pune, India, 11 th – 13 th December 2014.
33.	Vishwa Kiran S, Ramesh Prasad, Thriveni J, Venugopal K R and L M Patnaik, "Mobile Cloud Computing for Medical Applications", 11 th IEEE India Conference - INDICON, Pune, December 2014.
34.	Vishwa Kiran S, Ramesh Prasad, Thriveni J, Venugopal K R and L M Patnaik, "Cloud Enabled 3D Tablet Design for Medical Applications", 9 th IEEE International Conference on Industrial and Information Systems, Gwalior, December 2014.
35.	Vidya A, Santosh Pattar, Tejaswi V, Venugopal K R and Patnaik L M. "DNA Repair Gene Catergorization through Associative Classification", 7th International conference on Advanced Computer Theory and Engineering (ICACTE-2014), August 8-10, 2014, Singapore.
36.	Prabha R, Krishnaveni M, Manjula S H, K R Venugopal and L M Patnaik." QoS Aware Trust Metric based Frame Work for Wireless Sensor Networks", In the Proceedings of International Conference on Intelligent Computing, Communication and Convergence (ICCC-2014), ScienceDirect, Bhubaneswar, 27 th and 28 th December 2014.
37.	Prabha R, Shivaraj Karki, Manjula S, K R Venugopal and L M Patnaik, "Time Constrained QoS Geographical Routing for Differentiated Traffic in Wireless Sensor Networks", In the Proceedings of Third International Conference on Advances in Computer Science Applications(CSA 2014), Lucknow, 14-15 September 2014
38.	B M Thippeswamy, Reshma S, Sivasakthi P, Shaila K, Venugopal K R, S S Iyengar and L M Patnaik, "STEAR: Secure Trust-Aware Energy-Efficient Adaptive Routing in Wireless Sensor Networks", In Journal of Advances in Computer Networks(JACN), ISSN : 1793-8244, vol. 3, no. 2, pp. 146-149, June 2015.
39.	B M Thippeswamy, Reshma S, Sivasakthi P, Tejaswi V, Shaila K, Venugopal K R, L M Patnaik, "STEAR: Secure Trust-aware Energy-efficient Adaptive Routing in Wireless Sensor Networks", The 2014 7th International Conference on Advanced Computer Theory and Engineering (ICACTE 2014), August 8-10, 2014, Singapore.
40.	Kumaraswamy M, Shaila K, Tejaswi V, Venugopal K R, S S Iyengar and L M Patnaik. "QoS Driven Distributed Multi-Channel Scheduling MAC Protocol for Multihop WSNs", 5th IEEE International Conference on Computer and Communication Technology (ICCCT-2014), MNNIT, Allahabad, September 26-28, 2014, India.
41.	Kumaraswamy M, Shaila K, Tejaswi V, Venugopal K R, L M Patnaik, S S Iyengar. "QMSR: Qosmultihop sensor routing scheme Cross-Layer Design for Mobile Wireless Sensor Networks", 7th International conference on Advanced Computer Theory and Engineering (ICACTE-2014), August 8-10, 2014, Singapore.
42.	Shiva Prakash T, Tejaswi V, Raja K B, Venugopal K R, S S Iyengar, L M Patnaik, "RARR : Reliable Adaptive Replication Routing Scheme for Wireless Sensor Networks", Eighth International Conference on Communication Networks, Bangalore, July 25 - 27, 2014.
43.	Thippeswamy B M, Raghavendra M, Reshma S, Shaila K, Venugopal K R, S S Iyengar, L M Patnaik, "CADR : Congestion Alleriation using Distance Based Routing in Wireless Sensor Networks", Eighth International Conference on Communication Networks, Bangalore, July 25 - 27, 2014.
44.	Savitha G, Vibha L, Venugopal K R, S S Iyengar, L M Patnaik, "Offline Signature Verification using Local Binary Pattern", Eighth International Conference on Image and Signal Processing, ICISP - 2014, Bangalore, July 25 - 27, 2014.
45.	Lata B T, Tejaswi V, Shaila K, Raghavendra M, Venugopal K R, S S Iyengar, L M Patnaik, "SCG : Secure Communication using Geographical Routing in Wireless Sensor Networks", Eighth International Conference on Communication Networks, Bangalore, July 25 - 27, 2014.
46.	Prabha R, Archana S, Manjula S H, Venugopal K R, S S Iyengar, L M Patnaik, "VBSLM : Virtual

	Backbone Scheduling Algorithm for QoS and Lifetime Maximization in Wireless Sensor Network”, Eighth International Conference on Communication Networks, Bangalore, July 25 - 27, 2014.
47.	Kiran K; P Deepa Shenoy; Venugopal K R; L M Patnaik; “Fault Tolerant BeeHive Routing in Mobile Ad-hoc Multi-radio Network”, 2014 IEEE Region 10 Symposium (TENSYMP), April 2014.
48.	Lata B T, Vidya Rao, Sivasankari H, Shaila K, Venugopal K R, and L M Patnaik, “SEAD: Source Encrypted Authentic Data for Wireless Sensor Networks”, In Proceedings of the International Conference on Advances in Computer Science (ACS-2014), Delhi, December, 2014.
49.	Yamuna Devi C R, Shivaraj B, S H Manjula, K R Venugopal, S S Iyengar, L M Patnaik, “Multi-Hop Optimal Position Based Opportunistic Routing for Wireless Sensor Networks”, IEEE Region 10 Technical Symposium, TENSYMP'14, Kuala Lumpur, April 14-16, 2014.
50.	Yamuna Devi C R, Deepak Sunder, S H Manjula, K R Venugopal, L M Patnaik, “Chain Routing for Convergecast Small Scale Wireless Sensor Networks”, Second International Conference on Security in Computer Networks and Distributed Systems, IITM- Kerala, pp. 127-138, March 13-14, 2014.
51.	Yamuna Devi C R, Saishiva K, Sunil Kumar, S H Manjula, K R Venugopal, L M Patnaik, “Trust-based Hierarchical Routing Protocol for Wireless Sensor Networks”, Ninth IEEE Conference on Industrial and Information Systems (ICIIS2014), Atal Bihari Vajpayee Indian Institute of Information Technology and Management Gwalior, India, 15-17 December 2014.
52.	Yamuna Devi C R, Shivaraj B, S H Manjula, K R Venugopal, L M Patnaik, “EESOR: Energy Efficient Selective Opportunistic Routing in Wireless Sensor Networks”, Second International Conference on Security in Computer Networks and Distributed Systems, IITM- Kerala, pp. 16-23, March 13-14, 2014.
53.	Vidya A, Kalaivani M, Venugopal K R and Patnaik L M. “Pathway Clusters of Aging Genes using Data Mining Techniques”, 5th IEEE International Conference on Computer and Communication Technology (ICCCT-2014), MNNIT, Allahabad, September 26-28, 2014, India.
54.	Asha S Manek, Shamini D K, Veena H Bhat, P Deepa Shenoy, M. Chandra Mohan, Venugopal K R, L M Patnaik “ReP-ETD: A Repetitive Preprocessing Technique for Embedded Text Detection from Images in Spam Emails” Published in: Advance Computing Conference (IACC), 2014 IEEE International, pp no. 568 – 573, ISBN: 978-1-4799-2571-1, Gurgaon, India, 21-22 Feb. 2014
55.	Kiran K, Shivapriya T Abhishek Alfred Singh, Nazima Begum, Ramya R, P Deepa Shenoy, Venugopal K R, L M Patnaik, “Performance analysis of bee-hive routing in multi-radio networks”, 2014 IEEE International Advance Computing Conference (IACC), Digital Object Identifier: 10.1109/IAdCC.2014.6779349 , Page(s): 360 – 364, Feb 2014.
56.	Vishwanath R H, Praveen H N, Tejaswi V, Srikantaiah K C, Venugopal K R, L M Patnaik, “Empp: Ensemble based Model for Predicting Stock Time Series Data using Pattern Sequence Similarity” The 2014 7th International Conference on Advanced Computer Theory and Engineering (ICACTE 2014), August 8-10, 2014, Singapore.
57.	Harish Kumar B T, Deepa Chowdary, Vibha L, Venugopal K R and L M Patnaik, “Similarity Based Ranking of Query Results From Real Web Databases”, In the Proceedings of IEEE Fifth International Conference on Signal and Image Processing (ICSIP), 8 th to 10 th January 2014
58.	Vishwanath R H, Vaishnavi R, Srikantaiah K C, Venugopal K R, L M Patnaik, “IATSJ: Identification of Anomalies in Time Series Data using Similarity Join Processing”, 5th IEEE International Conference on Computer and Communication Technology, ICCCT 2014 to be held at MotilalNeharu National Institute of Technology Allahabad, September 26-28 2014 , India.
59.	Asha S Manek, Sumithra V, P. Deepa Shenoy, M. Chandra Mohan, K.R.Venugopal, L. M Patnaik, “DeMalFier: Detection of Malicious Web Pages using an Effective Classifier”, In proceeding of 2014 International Conference on Data Science & Engineering (ICDSE), 26-28 August 2014.
60.	Varalakshmi B D, Abhilasha Pachauri, Thriveni J, Venugopal K R, Patnaik L M, “Forefinger Direction Based Haptic Robot Control for Physically Challenged Using MEMS Sensor”, Fourth IEEE International Conference on Information Communication and Embedded Systems (ICICES-2014) Tamilnadu, Chennai, 27th and 28th Feb 2014
61.	Manjunathswamy B E, Thriveni J, K. R. Venugopal, L. M. Patnaik, “MultiModel Personal Authentication Using Finger Vein and Face Images(MPAFFI)”, In the Proceedings of Third International Conference on Parallel, Distributed and Grid Computing-PDGC, at Wagnaghat, Solan, Himachal Pradesh, India, 11-13 December 2014
62.	S Kumaraswamy, Manjula S H, K R Venugopal, Iyengar S S, L M Patnaik, “Association Rule Sharing model for Privacy Preservation and Collaborative Data Mining Efficiency,” In the Proceedings of International Conference on Recent Advances in Engineering and Computational Sciences(RAECs)

	UIET Punjab University Chandigarh, 06 – 08 March 2014.
63.	Manjunathswamy B E, Appaji M Abhishek, Thriveni J, K. R. Venugopal, L. M. Patnaik, “Multimodel Biometrics Using ECG and Fingerprint”, In the Proceedings of International Conference on Advances in Communication Network and Computing-CNC, at Chennai, India, 21-22 February 2014.
64.	Manjunathswamy B E, Thriveni J, K. R. Venugopal, L. M. Patnaik, “MultiModel Personal Authentication Using Finger Vein and Iris Images(MPAFII)”, In the Proceedings of Fifth International Conference on Advances in Computer Engineering-ACE, at Kochi, India, 26-27 December 2014.
65.	B M Thippeswamy, Reshma S, Shaila K, Venugopal K R, S S Iyengar and L M Patnaik, “ODCRE: On-Demand Cluster Routing based on Energy Density in Wireless Networks”, In Proceedings of International conference on Advances in communication, Network & computing (CNC), February 2014.
66.	Yamuna Devi C R, S H Manjula, K R Venugopal, L M Patnaik, “Maximizing Efficiency of Large Scale Homogeneous Wireless Sensor Networks”, Fifth International Conference on Control, Communication and Power Engineering, CCPE 2014, ACEEE, Chennai, Feb. 21-22, 2014.
67.	Poornima G, Vinod, K Suresh Babu, K B Raja, K R Venugopal, and L M Patnaik., “Enhanced Energy Efficient and Fault Tolerant Technique for WSN Using Graded Reliance Management Technique”, ACEECOM : In the Proceedings of International Conference on Recent Trends in Communication and Computer Networks, McGraw Hill, pp. 55-69, 2014.
68.	Poornima G, Irfana, K Suresh Babu, K B Raja, K R Venugopal, and L M Patnaik., “Enhanced Topology Aware Routing For WSN”, ACEECOM : In the Proceedings of International Conference on Recent Trends in Communication and Computer Networks, McGraw Hill, pp. 70-77, 2014.
69.	G Sunilkumar, Shivaprakash K, Thriveni J, K R Venugopal, L M Patnaik, “Cognition Based Malicious Node Detection for Homogeneous and Heterogeneous Wireless Networks”, International Conference on Instrumentation, Communication, Control and Automation, pp.138-143, Kalasalingam University, Tamil Nadu, India, January 3-5, 2013.
70.	Kiran K, Abhishek Alfred Singh, Yadunandan S, P Deepa Shenoy, Venugopal K R, L M Patnaik, “Throughput enhancement by traffic splitting over an ad-hoc network with hybrid radio devices”, 2013 IEEE TENCON Spring Conference, pp. 371 – 375, April 2013.
71.	Kiran K. Shivapriya T, Abhishek Alfred Singh, P Deepa Shenoy, Venugopal K. R, L M Patnaik, “Traffic splitting in a mobile Ad-hoc Multi-radio network”, Annual IEEE India Conference (INDICON), pp. 1 – 4, Dec 2013.
72.	G Sunilkumar, Thriveni J, K R Venugopal, L M Patnaik, ”Cognition Based Discrete Time Dynamic Neural Network Approach for Malicious Node Detection in Heterogeneous Network”, Proceedings of 4th International Conference on Advances in Engineering and Technology, Elsevier, pp. 348-355, Delhi, December 13-14, 2013.
73.	Sunita V. Dhavale, Rajendra S. Deodhar, Debasish Pradhan and L. M. Patnaik, “Robust Multiple Stereo Audio Watermarking for Copyright Protection and Integrity Checking”, In Proceedings of Third International Conference on Computational Intelligence and Information Technology by the IET, CIIT-2013, 18-19 oct 2013, Mumbai, pp. 9-16.
74.	Shiva Prakash T, Raja K B, Venugopal K R, S S Iyengar, L M Patnaik, “Traffic-Differentiated Two-Hop Routing for QoS in Wireless Sensor Networks”, In IEEE Proceedings of the 5th International Conference on Cyber-Enabled Distributed Computing and Knowledge Discovery (CyberC'13), pages: 358-363, Beijing, China, October 2013.
75.	Kumaraswamy M, Shaila K, Tejaswi V, Venugopal K R, S S Iyengar and L M Patnaik, “Efficient Retransmission QoS-Aware MAC Scheme in Wireless Sensor Networks”, In Proceedings of 5th International Conference on Networks and Communications (NetCom2013), pages 31-42, Chennai, INDIA, 27-29 December 2013.
76.	Shiva Prakash T, Raja K B, Suresh Babu K, Venugopal K R, S S Iyengar, L M Patnaik, “Traffic Generated Two-Hop Routing for QoS in Wireless Sensor Networks”, International Conference on Cyber Enabled Computing and Knowledge Discoverys Cyber C 2013, Beijing, China, October 10th and 13th, 2013.
77.	Shiva Prakash T, Chandrashekar H S, Raja K B, Suresh Babu K, Venugopal K R, S S Iyengar, L M Patnaik, “Traffic – Differentiated Two-Hop Routing for Wireless Sensor Networks”, Proceedings of

	Seventh International Conference on Communication Networks (ICCN-2013), Elsevier Publications, August 9th, 10th and 11th, 2013.
78.	Tanuja R, Sukeerthi B J, Apoorva Raju, S H Manjula, K R Venugopal, L M Patnaik, "SDCS : Secure Data Centric Sensor Networks with mutiquery optimization," 2013 Annual IEEE India Conference INDICON-2013.
79.	Chandrakala V, Sandeep B K, K Suresh Babu, K B Raja, Venugopal K R, L M Patnaik, "Matching Level Fusion Based PalmPrint Identification using WHT and SD" published in journal of 4th International Conference on Signal and Information Processing (ICSIP 2013), Hong Kong, China, July 06-07, 2013.
80.	Shiva Prakash T, Raja K B, Venugopal K R, S S Iyengar, L M Patnaik, "Link-Reliability Based Two-Hop Routing for QoS Guarantee in Wireless Sensor Networks", In IEEE Proceedings of the 16th International Symposium on Wireless Personal Multimedia Communications (WPMC'13), pages: 1-6, Atlantic City, USA, June 2013.
81.	N. Sathisha, Priya R, K. Suresh Babu, K. B. Raja, K. R. Venugopal and L. M. Patnaik "DTCWT Based High capacity Steganography using Coefficient replacement and Adaptive Scaling," In the Proceedings of Sixth International Conference on Machine Vision (ICMV 2013), pp. 906710-1-5, London, UK, November 2013.
82.	N. Sathisha, Amarashree, K. Suresh Babu, K. B. Raja, K. R. Venugopal and L. M. Patnaik "Non Embedding Steganography using Average Technique in Transform Domain" In the Proceedings of IEEE Ninth International Colloquium on Signal Processing and its Applications (CSPA 2013), Kuala Lumpur, Malaysia. pp.1 – 6, March 2013.
83.	Vishwanath R H, Leena S V., Srikantaiah K C., Shreekrishna Kumar K., Deepa Shenoy P, Venugopal K R., Patnaik L M "APST: Approximation and Prediction of Stock Time Series Data using Pattern Sequence" In Seventh International Conference on Data Mining and Warehousing, ICDMW 2013, pp. 151–160, 2012. Elsevier Science & Technology Publications 2013
84.	S Kumaraswamy, Srikanth P L, Manjula S H, K R Venugopal, Iyengar S S, L M Patnaik, " An Ontology based Prediction Process on Vertically Partitioned Data with Privacy Preservation", Seventh International MultiConference on Information Processing , 9th to 11th August-2013, Bangalore.
85.	G Sunilkumar, Thriveni J, K R Venugopal, L M Patnaik, " Cognition Based Malicious Node Detection Using Discrete Time Dynamic Neural Network Approach", Proceedings of 8th IEEE International Conference on Industrial and Information Systems, Srilanka, December 17-20, 2013.
86.	Vishwanath R Hulipalled, Samartha T V, Srikantiah K C, Venugopal K R, Patnaik L M. "DRSM: Data Reduction and Similarity Matching for Time Series Data Streams", In Fifth International Conference on Advances in Communication, Network, and Computing, CNC 2013, pp. 114–121, 2013. ©Elsevier Science & Technology Publications 2013
87.	Pushpa C N, Thriveni J, Venugopal K R and Patnaik L M, "Web Search Enginebased Semantic Similarity Measure between Words using Pattern Retrieval Algorithm", In the Proceedings of International Conference on Information Technology Convergence and Services (ITCS 2013), pp. 01-11, Bangalore India, February 2013
88.	Leelavathi G, Shaila K, Venugopal K R, L M Patnaik, "An Analysis and Comparative Study of Simulation Tools for Wireless Sensor Networks", In Proceedings of the Fifth International Conference on Networks and Communications, Chennai, India, 2013.
89.	Asha S Manek, Pallavi R P, Veena H Bhat, P Deepa Shenoy, M. Chandra Mohan, Venugopal K R, L M Patnaik "SentReP: Sentiment Classification of Movie Reviews using Efficient Repetitive Pre-Processing", IEEE TENCON 2013 Conference, 2013.
90.	Asha S Manek, Samhitha M R, Shruthy S , Veena H Bhat, P Deepa Shenoy, M. Chandra Mohan, Venugopal K R, L M Patnaik "RePID-OK: Spam Detection using Repetitive Pre-processing", CUBE 2013 Conference, 2013.
91.	Shiva Prakash T, Raja K B, Venugopal K R, S S Iyengar, L M Patnaik, "Fault Tolerant QoS Adaptive Clustering for Wireless Sensor Networks", In Proceedings of Ninth International Conference on Wireless Communication and Sensor Networks (WCSN'13), Springer LNEE-7818, December, 2013.
92.	C N Abilash, S H Manjula, Venugopal K R, and L M Patnaik, "Efficient Network Lifetime for Barrier Coverage in Heterogeneous Sensor Networks," INDICON, 15th December, 2013.
93.	Pushpa C N , Ashvini Patil, Thriveni J, Venugopal K R and L M Patnaik, "Web Page Recommendations using Radial Basis Neural Network Technique", 8th IEEE International Conference on Industrial and Information Systems (ICIIS2013), 17th – 20th December 2013, Kandy, Sri Lanka.

94.	Rangaswamy Y, Ramya S K, K B Raja, Venugopal K R, L M Patnaik “Face Recognition using Transform Domain Texture Features,” Sixth International Conference on Machine Vision (ICMV 2013), London, UK., November 2013.
95.	Bharathi Somashekhar, P Deepa Shenoy, Venugopal K R, L M Patnaik, “Automatic Land Use/Land Cover Classification using Texture and Data Mining Classifier“, TENCON IEEE conference Xian, China on 22-23 Oct 2013.
96.	Vidya A, Sivakiran R R, H Sivasankari, Manjula S H, Venugopal K R, L M Patnaik, “Comparative Study of Aging using Mitochondrial RNA of Human and Naked Mole Rat:, Proceedings of Seventh International Conference on Data Mining and Warehousing (ICDMW-2013), Elsevier Publications, August 9th, 10th and 11th, 2013.
97.	S Kumaraswamy, Manjula S H, K R Venugopal, Iyengar S S, L M Patnaik, “Preserving Privacy of Classification Rule in Distributed System Environments ”, Second International Conference on Advances in Computer Science and Application Signal Processing and Communication, CSA2013 & SPC2013(ACEEE), Lucknow, INDIA, June 21, 2013.
98.	S Kumaraswamy, Manjula S H, K R Venugopal, Iyengar S S, L M Patnaik, “Key Compromise Resilient Privacy Provisioning in Vertically Partitioned Data,” International Conference on Diversifying Trends in Technology and Management, IIT-Delhi, India, 6-7 April, 2013
99.	Shiva Prakash T, K B Raja, Venugopal K R, S S Iyengar, L M Patnaik, “Link – Reliability Based Two – Hop Routing for QoS Guarantee in Wireless Sensor Networks ”, In IEEE Proceeding of the 16th International Wireless Personal Multimedia Communications Symposium, June, 2013.
100.	Poornima G, K Suresh Babu, K B Raja, K R Venugopal, L M Patnaik “Energy Efficient Algorithms for Fault Tolerant Topology Control in Wireless Sensor Networks” IN: Second International Conference on Advanced Computing Methodologies, Elsevier, ISBN No 97893510711495, pp24-32, Aug 2013.
101.	Vishwanath R H, Leena S V, Srikantiah K C, Shreekrishna Kumar K, Deepa Shenoy P, Venugopal K R, Patnaik L M “Approximation and Prediction of Stock Time Series Data using Pattern Sequence”, Seventh International Conference on Data Mining and Warehousing, ICDMW 2013, pp. 151–160, 2012. ©Elsevier Science & Technology Publications, August 9th, 10th and 11th, 2013
102.	Lata B T, Jansi P K R, Shaila K, Sivasankari H, Sujatha D N, Venugopal K R, L M Patnaik, “Secure Multiple Domain Routing for Wireless Sensor Networks”, Proceedings of Seventh International Conference on Communication Networks (ICCN-2013), Elsevier Publications, August 9th, 10th and 11th, 2013.
103.	P Beulah Soundarabai, Ritesh Sahai, Thriveni J, Venugopal K R, L M Patnaik, “Efficient Bully Election Algorithm in Distributed Systems”, Proceedings of Seventh International Conference on Communication Networks (ICCN-2013), Elsevier Publications, August 9th, 10th and 11th, 2013.
104.	Srikantiah K C, Roopa M S, Krishna Kumar N, Shree Krishna Kumar, Venugopal K R, L M Patnaik, “Automatic Discovery of Synonyms from the Web Based on Inbound Anchor Text”, Proceedings of Seventh International Conference on Data Mining and Warehousing (ICDMW-2013), Elsevier Publications, August 9th, 10th and 11th, 2013.
105.	S Kumaraswamy, Srikanth P L, Manjula S H, Venugopal K R, L M Patnaik, “An Ontology based Prediction Process on Vertically Partitioned Data with Privacy Preservation”, Proceedings of Seventh International Conference on Data Mining and Warehousing (ICDMW-2013), Elsevier Publications, August 9 th , 10 th and 11 th , 2013.
106.	B N Shankargowda, Vibha L, Venugopal K R, L M Patnaik, “An Ameliorated Methodology for Preprocessing Web Log Data using Data Warehousing and Data Mining Framework”, Proceedings of Seventh International Conference on Data Mining and Warehousing (ICDMW-2013), Elsevier Publications, August 9 th , 10 th and 11 th , 2013.
107.	Poornima G, K Suresh Babu, K B Raja, K R Venugopal, L M Patnaik “Improved Fault Tolerance Technique For Wireless Sensor Networks” IN: ACEEE Third International Conference on Advances in Information Technology and Mobile Communication. Springer, pp 294-300, April 2013
108.	B M Thippeswamy, Reshma S, Shaila K, Venugopal K R, S S Iyengar and L M Patnaik, “ODCRE: On-Demand Cluster Routing based on Energy Density in Wireless Sensor Networks”, Proceedings of International Conference on Advances in Communication, Network, and Computing, CNC 2013, pp. 104–113, 2013.
109.	S Kumaraswamy, Manjula S H, K R Venugopal, Iyengar S S, L M Patnaik, “Key Compromise Resilient Privacy Provisioning in Vertically Partitioned Data,” International Conference on Diversifying Trends in Technology and Management, IIT-Delhi, India, 6-7 April, 2013.
110.	Pushpa C N, Thriveni J, Venugopal K R and Patnaik L M, “Web Search Engine based Semantic

	Similarity Measure between Words using Pattern Retrieval Algorithm”, International Conference on Information Technology Convergence and Services, Bangalore (ITCS 2013), 2013.
111.	Pushpa C N, Girish S, Nitin S K, Triveni J, Venugopal K R and L M Patnaik, “Computing Semantic Similarity Measure between Words using Web Search Engine”, International Conference on Signal, Image Processing and Pattern Recognition (ICCSEA-SPPR), 24-26, Delhi, India, May 2013.
112.	Manisha J Nene, RS Deodhar and LM Patnaik , “D-UREA: Distributed Uncovered Region Exploration Algorithm for Reorganization of Sensor Nodes to maximize Coverage”, Proceedings of the IEEE International Conference on Pervasive Computing and Communications(PerCom 2012), pp 889-894 March 19-23,2012, Lugano,Switzerland
113.	Prathap U, Deepa Shenoy P, Venugopal K R and L M Patnaik, “Wireless Sensor Networks Applications and Routing Protocols: Survey and Research Challenges”, In the Proceedings of IEEE International Symposium on Cloud and Services Computing (ISCOS), pp. 49-56, 17-18 December 2012
114.	Sunita V. Dhavale, Rajendra S. Deodhar and L. M. Patnaik, “High Capacity Lossless Semi-fragile Audio Watermarking in the Time Domain”, In Proceedings of International Conference Advances in Computer Science Engineering & Applications, ICCSEA-2012, May 25-27, 2012, Delhi, Springer Advances in Intelligent Systems and Soft Computing, Volume 167, 2012, pp. 843-852. 2012, (Coauthors :)
115.	Manish J. Nene, Rajendra S. Deodhar and Lalit M Patnaik. Research Poster Presentation Title “UREA: Uncovered Region Exploration algorithm for reorganization of sensor nodes to maximize coverage. ACM: 3 rd Annual grace hopper in computing (GHCI) 2012. December 12 th -14 th December 2012, Bangalore, India ACM (2012) pp. 27.
116.	Sunil Kumar, Triveni J, Venugopal K R, L M Patnaik, “Adoption of Cognition for Malicious Node Detection in Homogenous and Heterogenous Wireless Networks”, IEEE Conference on Wireless Networks, NIT, Suratkal, 2012.
117.	Manjunathswamy B E, Thriveni J, K. R. Venugopal, L. M. Patnaik, “Efficient Iris Retrieval Using Neural Networks”, In the Proceedings of IEEE NUICONE 2012, at Nirma University Ahmedabad, India, 06-08 December 2012.
118.	P Beulah Soundarabai, Manjunath H C, Thriveni J, Venugopal K R and L M Patnaik, “Message Efficient Ring Leader Election in Distributed Systems”, Proceedings of AUC, Springer Verlag, 2012.
119.	Ramachandra A C, Vineetha M, K B Raja, K R Venugopal and L M Patnaik, “Dual Transformation based Face Recognition using Matching Level Fusion,” Springer International Conference on Artificial Intelligence and Soft Computing 2012.
120.	Srikantaiah K C, Krishnakumar N, K R Venugopal, L M Patnaik, “An Integration of Web Caching and Web Refletching Using Cyclic Behaviour Analysis Web Sequential Pattern,” In Proceedings of International Conference on Computational Intelligence and Information Technology, CIIT – 2012, Springer Verlag, Chennai, India, 2012.
121.	Leena Giri G, Srikanth P L, S H Manjula, K R Venugopal, S S Iyengar and L M Patnaik, “Semantic Look : An Efficient Context Driven Search Engine,” In Proceedings of nternational Conference on Computational Intelligence and Information Technology, CIIT – 2012, Springer Verlag, Chennai, India, 2012.
122.	H Sivsankari , Leelavathi R, Shaila K, Venugopal K R, S S Iyengar and L M Patnaik,” Dynamic Cooperative Routing(DCR) in Wireless Sensor Networks” In Proceedings of the Third International Conference on Advances in Communication, Network and Computing (CNC 2012), Springer LNICST, Chennai, INDIA, February, 2012.
123.	Ramachandra A C, Abhilash S K, K B Raja, K R Venugopal and L M Patnaik, “Dual Transformation Bimodal Biometrics Based on Feature Level Fusion,” Fourth IEEE International Conference on Advances in Recent Technologies in Communication and Computing, 2012.
124.	Chandrakant N, Bijil A P, Venugopal K R and L M Patnaik, "Middleware Service Oriented Rescue and Crime Information on Cloud (RCIC) Using Heterogeneous Nodes in WSNs", IEEE TENCON 2012.
125.	Kiran K, Abhishek Alfred Singh, P Deepa Shenoy, Venugopal K R, L M Patnaik, “Analysis of Traffic Splitting over a Multi-hop Network with Hybrid WiM Ax and WiFi nodes”, PGDC 2012 – The Second IEEE International Conference on Parallel Distributed and Grid Computing, December 2012.
126.	H Sivasankari, Aparna R, Venugopal KR, S S Iyengar and L M Patnaik,” TGAR: Trust dependent

	Greedy Anti-void Routing in Wireless Sensor Networks(WSNs)", In Proceedings of Third International Conference on Recent Trends in Information, Telecommunication and Computing- ITC, (LNEE-Springer Verlag), ISSN 1876-1100, pages 32-37, Bangalore, August 2012.
127.	Prashanth C R, K B Raja, K R Venugopal, L M Patnaik, "Personal Authentication by Fusion of PCA and FFT Coefficients of Iris," International Conference on Artificial Intelligence and Soft Computing, pp. 67-73, India, August 2012.
128.	H Sivasankari, Leelavathi R, Vallabh M, Venugopal K R, S S Iyengar and L M Patnaik, "CEAR:Cluster based Energy Aware Routing Algorithm to Maximize Lifetime of Wireless Sensor Networks(WSNs)", Proceedings of LNICEE Conference on ITC, August, 2012.
129.	Kumarswamy M., Shaila K, H Sivasankari, Tejaswi V., K. R. Venugopal, and L M Patnaik," RCH-MAC Protocol for Multihop QoS in Wireless Sensor Networks." , pp. 18 – 27, CCIS 292, Springer Verlag, ICIP, August 2012.
130.	Vidya A, Manohar V, Shwetha V P, K. R. Venugopal, and L M Patnaik," Dimensionality Reduction for Efficient Classification of DNA Repair Genes", pp. 536 – 545, CCIS 292, Springer Verlag, ICIP, August 2012.
131.	R Tanuja, M K Rekha, S H Manjula, K R Venugopal, S S Iyengar, L M Patnaik, "Detection and Elimination of Black Hole and False Data Injection Attacks in Wireless Sensor Networks," Third International Conference on Recent Trends in Information, Telecommunication and Computing – ITC 2012, Springer Verlag, Aug 2012.
132.	R Tanuja , Anoosha V, S H Manjula, K R Venugopal, S S Iyengar, L M Patnaik, "Secure Reputation Update for Target Localization in Wireless Sensor Networks," , pp. 109 – 118, CCIS 292, Springer Verlag, ICIP, August 2012.
133.	Sivasankari H, Leelavathi R, Shaila K, Venugopal K R, S S Iyengar and L M Patnaik,"Energy Efficient Adaptive Cooperative Routing with Multiple Sinks in Wireless Sensor Networks" In Proceedings of IEEE, ICIEA 2012, Singapore, July 18 – 20, 2012
134.	Vishwanath R H, Thangamani M, Venugopal K R, Iyengar S S, and L M Patnaik "Alternate Data Clustering for Fast Pattern Matching in Stream Time Series Data" In Proceedings of the Third International Conference on Advances in Communication, Network and Computing (CNC 2012), Springer LNICST, Chennai, INDIA, February, 2012.
135.	Shaila K, Sivasankari H, S H Manjula, Venugopal K R, S S Iyengar and L M Patnaik." ACTM:Anonymity Cluster based Trust Management in Wireless Sensor Networks" In Proceedings of the Third International Conference on Advances in Communication, Network and Computing (CNC 2012), Springer LNICST, Chennai, INDIA, February, 2012.
136.	Satish Bhairannawar, Ratan R, Raja K B, Venugopal K R and L M Patnaik, "FPGA Based Recursive Error Free Mitchell Log Multiplier for Image Filters", In the Proceedings of IEEE International Conference on Computational Intelligence and Computing Research, pp. 235-239, 2012.
137.	Srikanataiah K C, Suraj M, Venugopal K R, S S Iyengar and L M Patnaik."Similarity Based Web Data Extraction and Integration System for Web Content Mining" In Proceedings of the Third International Conference on Advances in Communication, Network and Computing (CNC 2012), Springer LNICST, Chennai, INDIA, February, 2012.
138.	Poornima G, K Suresh Babu, K B Raja, K R Venugopal, L M Patnaik, "Fault Tolerance using Modified Hausdorff Distance Method", International Conference on Information, Communication & Embedded Systems (ICICES 2012), IEEE & CSI, Chennai, India, Feb 2012.
139.	Sunita Dhavale, Rajendra Deodhar and Lalit Patnaik, "High Capacity Lossless Semi-Fragile Audio Watermarking in the Time Domain", CSIA Workshop, Springer Advancers in Intelligent and Soft Computing.
140.	K R Venugopal and LM Patnaik, "Energy Efficient Adaptive Cooperative Routing (EEACR) with Multiple Sinks in Wireless Networks", Seventh IEEE Conference on Industrial Electronics and Applications(ICIEA 2012), July 18-20,2012,Singapore
141.	G M Siddesh, K G Srinivasa, K R Venugopal: GRM: a Reliable and Fault Tolerant Data Replication Middleware for Grid Environment. ICWET 2011: Bangalore, 810-815, 2011.
142.	Anita Kanavalli, Bharath G P, Nuthan Prasad B N, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Energy Efficient Mutually Exclusive Path Finding Protocol for Wireless Networks",The International Conference on Informatics Engineering & Information Science (ICIEIS 2011), University Technology Malaysia, Malaysia Nov. 14-16, 2011
143.	N. Sathisha, Swetha Sreedharan, R. Ujwal, Kiran D'sa, Aneeshwar R. Danda, K. Suresh

	Babu, K. B. Raja, K. R. Venugopal and L. M. Patnaik "Adaptive Steganography Based on Covariance and DCT" International Conference on Advances in Information Technology and Mobile Communication (AIM 2011), CCIS 147, pp. 273–276, Springer-Verlag Berlin Heidelberg, April 2011.
144.	Veena H Bhat, Vandana R Malkani, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Classification of Email using BeaKS: Behavior and Keyword Stemming" IEEE TENCON 2011 Bali, Indonesia, November 21-24, 2011.
145.	C R Prashanth, K B Raja, K R Venugopal, L M Patnaik "Off-line Signature Verification based on Angular Features," IEEE International Conference on Computer Modeling and Simulation, vol 1, 362-366, January 2011.
146.	Veena H. Bhat, Prasanth G. Rao, S. Krishna, P. Deepa Shenoy, K. R. Venugopal and L. M. Patnaik, "An Efficient Framework for Prediction in Healthcare Data Using Soft Computing Techniques", Presented in Advances in Computing and Communications: First International Conference, ACC 2011, Kochi, India, 2011 Published in: Advances in Computing and Communications in Computer and Information Science, Springer, 2011, Volume 192, Part 4, Pages: 522-532, July 22 - 24, 2011.
147.	Anita Kanavalli, N Chandra Kiran, P Deepa Shenoy, Venugopal K R, L M Patnaik, "An Efficient Protocol to Study the Effect of Flooding on Energy Consumption in MANETS" Advances in Computing and Communications, First International Conference, ACC 2011, Kochi India, Communications in Computer and Information Science, Volume 190, Springer 2011, pp 141-152, July 22 – 24, 2011.
148.	Anita Kanavalli, Bharath G P, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Triangulation based Clustering for Improving Network Lifetime in Wireless Sensor Networks", The Third International Conference on Wireless & Mobile Networks (WiMoN-2011), Chennai India, Trends in Network and Communication, Communications in Computer and Information Science, Volume 197, Springer 2011, pp 272-284, July 15-17 2011.
149.	N Sathisha, K Suresh Babu, K B Raja, Venugopal K R, L M Patnaik "Covariance Based Steganography Using DCT," International Conference on Advances In Computing And Communications, Springer-Verlag, CCIS, pp.636-647, July 2011.
150.	Chandrakant N, Bijil A P, Deepa Shenoy P, Venugopal K R and L M Patnaik, "Middleware Service Oriented Rescue and Crime Information System (RCIS) using Heterogeneous Fixed Nodes in WSNs", ADCONS-2011, NITK-Surathkal, India-The proceedings of the conference are published through the Springer(LNCS), 2011.
151.	Annapurna D, Shreyas Bhagavath D, Gnanaskandan V, K B Raja, Venugopal K R, L M Patnaik, "Performance Comparison of AODV, AOMDV and DSDV for Fire Fighters Application," ACEEE International Conference on Computational Intelligence and Information Technology, Springer-Verlag, CCIS, November 2011
152.	Chetana Hegde, P Deepa Shenoy, Venugopal K R and L M Patnaik, "FKP Biometrics for Human Authentication using Gabor Wavelets", IEEE – TENCON, at Bali, Indonesia, 21 st – 24 th , November 2011.
153.	Chetana Hegde, Phanindra J, P Deepa Shenoy, Venugopal K R and L M Patnaik, "Human Authentication using Finger Knuckle Print", ACM Compute – 2011, Bangalore, March 2011.
154.	Bharathi S, Pooja P Sheth, P Deepa Shenoy, Venugopal K R, L M Patnaik, "An Object Oriented Model for the Classification of Satellite Image using Data Mining Techniques" International Conference on Frontiers of Computer science-2011, TataConvention center, IISc, Bangalore, 7 th to 9 th , August 2011.
155.	Pushpa C N, Vinaykumar N K, Shivaprakash T, Thriveni J, Manjula S H, Venugopal K R and L M Patnaik, "Improving the Precision and Recall of Web People Search Using Hash Table Clustering in Computer Networks and Intelligent Computing", Proceedings of Fifth International Conference on Information Processing, Springer Verlag, PP. 155 – 160, Bangalore, August 2011
156.	Vidya A, Usha D, Rashma B M, P Deepa Shenoy, Raja K B, Venugopal K R and L M Patnaik, "Computational Methods to Locate and Reconstruct Genes for Complexity Reduction in Comparative Genomics in Computer Networks and Intelligent Computing", Proceedings of Fifth International Conference on Information Processing, Springer Verlag, PP. 252 – 257, Bangalore, August 2011
157.	Veena Bhat, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Steganalysis of Perturbed Quantization using HBCL Statistics and FR Index". Proceedings of Fifth International Conference on Information Systems, Technology and Management (ICISTM) 2011, Gurgaon, India, March 10 th – 12 th , 2011.
158.	Chandrakant N, Deepa Shenoy P, Venugopal K R, L M Patnaik, "Restricting the Admission of Selfish or Malicious Nodes into the Network by using Efficient Security Services in Middleware for

	MANETs”, International Conference on Communication, Computing & Security. In Proceedings of ACM ISBN-978-1-4503-0464-1, NIT, Rourkela, Orissa, India, February 2011.
159.	Srikantaiah K C, Srikanth P L, Tejaswi V, Shaila K, Venugopal K R, Iyengar S S and L M Patnaik, “PCF-Engine, A Fact Based Search Engine in Computer Networks and Intelligent Computing”, Proceedings of Fifth International Conference on Information Processing, Springer Verlag, PP. 155 – 160, Bangalore, August 2011
160.	Chandrakant N, Harsha D, Tejas J, Deepa Shenoy P, Venugopal K R and L M Patnaik, "EMID: Maximizing Lifetime of Wireless Sensor Network by Using Energy Efficient Middleware Service", International Conference on Intelligent Information Networks ICIIN 2011- co-sponsored by International Association of Computer Science and Information Technology (IACSIT) and IEEE, 2011.
161.	Sunita V. Dhavale, Rajendra S. Deodhar and L. M. Patnaik, “Walsh Hadamard Transform based Robust Blind Watermarking for Digital Audio Copyright Protection”, In Proceedings of International Conference Computational Intelligence and Information Technology, CIIT-2011, Pune, Springer LNCS-CCIS Communications in Computer and Information Science, Volume 250, 2011, part 2, pp 469-475. 2011.
162.	Chetana Hegde, Rahul Prabhu H, Sagar D S, P Deepa Shenoy, Venugopal K R and L M Patnaik, “Statistical Analysis for Human Authentication using ECG Waves”, Proceedings of ICISTM 2011, Springer-Verlag, pp. 287 – 298, Gurgaon, March 2011.
163.	Sateesh Kumar. H. C, Abhilash S.K and Raja K. B, Venugopal K. R. and L. M. Patnaik, “Iris Recognition using Fusion of EMD and FFT,” IEEE International Conference on Computational Intelligence and Computing Research, December 2011
164.	G Sunilkumar, Thriveni J, K R Venugopal, L M Patnaik, "Cognition Based Self-organizing Maps (CSOM) for Intrusion Detection in Wireless Networks", IEEE INDICON 2011, at BITS Pilani Hyderabad, India, December 16 -18, 2011.
165.	Krishna S, Veena H Bhat, P Deepa Shenoy, Venugopal K R, L M Patnaik “Defeating Perturbed Quantization Steganography” 5th International Conference on Information Systems, Technology and Management (ICISTM 2011), Gurgaon, India, Published In: Information Intelligence, Systems, Technology and Management Communications in Computer and Information Science, Springer 2011, Volume 141, 2., Pages : 51-60, Mar 10 - Mar 12, 2011
166.	GG Sivasankari, Vallabh M, S Ishaq Ali, Shaila K, Venugopal KR, LM Patnaik, “Energy Conservation using k-means Fusion Steiner Tree (KFST) in Wireless Sensor Networks”, 4 th International Conference on Information Processing, Bangalore, Aug 6-8, 2010, pp. 299-304.
167.	Veena Bhat, Prashanth G Rao, Abhilash R V, P Deepa Shenoy, Venugopal K R, L M Patnaik, “A Novel Data Generation Approach for Digital Forensic Application in Data Mining”, 2 nd International Conference on Machinery Learning and Computing (ICMLC – 2010), February 9-11 th , Bangalore, 2010.
168.	N Sathisha, Madhusudan G N, Bharathesh S, K Suresh Babu, K B Raja, Venugopal K R, “Chaos based Spatial Domain Steganography using MSB,” Fifth IEEE International Conference on Industrial and Information Systems, NITK, Surathkal, pp. 177-182, August 2010.
169.	M.Nene, R Deodhar, L M Patnaik, UREA : Uncovered Region Exploration Algorithm for Reorganization of Sensor Nodes to Maximize Coverage, 2010 6 th IEEE International Conference on Distributed Computing in Sensor System, Mobile Sensor 10 DCOSW, Santa Barbana, USA, pp 01 – 06, june 2010
170.	Shaila K, Vidya Yeri, Arjun A V, Venugopal K R, L M Patnaik, “Adaptive Mobility and Availability of Mobile Node for Efficient Secret Key Distribution in Wireless Sensor Networks”, 2 nd International Conference on Machinery Learning and Computing (ICMLC – 2010), IEEE Computer Society, Bangalore, pp. 137-141, February 9-10 th , 2010.
171.	Bharathi Somashekhar, Pooja P Sheth, P Deepa Shenoy, Venugopal K R, L M Patnaik, “Performance Analysis of Clustering Techniques for Object Oriented Segmentation of Satellite Images”, In Proc. of International Conference on Information Processing, I K Publishers, Delhi, Bangalore, August 6 th – 8 th , 2010.
172.	Veena Bhat, Krishna S, P Deepa Shenoy, Venugopal K R, L M Patnaik, “JPEG Steganalysis using HBCL Statistics and FR Index”, Pacific – Asia Conference on Knowledge Discovery and Data Mining, PAKDD 2010, PAISI Workshop, June 21 st – 24 th , Hyderabad, 2010.

173.	Chethana Hegde, Srinath U S, Aravinda Kumar R, Rashmi D R, Satish S, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Ear Pattern Recognition Using Centroid and Cross Points for Robust Authentication", 2 nd International Conference on Human Computer Interaction (IHCI – 2010), January 16-18 th , Allahabad, Springer Publication, 2010.
174.	Sandhya Joshi, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Classification of Alzheimer's Disease and Parkinson's Disease by Using Machine Learning and Neural Network Methods", 2 nd International Conference on Machinery Learning and Computing (ICMLC – 2010), February 9-11 th , Bangalore, 2010.
175.	Sandhya Joshi, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Diagnosis, Treatment and Management of Alzheimer's Disease using Machine Learning Methods", Workshop on Data Mining in Health Care Management in Conjunction with 14 th PAKDD 2010 Conference, June 21 st – 24 th , Hyderabad, 2010.
176.	Veena Bhat, Krishna S, P Deepa Shenoy, Venugopal K R, L M Patnaik, "HUBFIRE - A Multi-Class SVM Based JPEG Steganalysis Using HBCL Statistics And FR Index", SECRIPT 2010, July 25 th – 26 th , Greece, 2010.
177.	Shaila K, Sajita M, Tejaswi V, S H Manjula, Venugopal K R and L M Patnaik, "SEEDI: Secure and Energy Efficient Approach for Detection of an Intruder in Homogeneous Wireless Sensor Networks", in Proceedings of The 2010 International Conference on Intelligent Network and Computing (ICINC 2010), published by IEEE, pp. 267-271, Kuala Lumpur, Malaysia, 26-28 November 2010.
178.	Alice Abraham, Jamal Ahmed, Manjula S H, Venugopal K R, L M Patnaik, "Wavelet Coded Cross Layer Preferential Transmission in Wireless Image Sensor Networks", in Proceedings of The 2010 International Conference on Intelligent Network and Computing (ICINC 2010), published by IEEE, pp. 262-266, Kuala Lumpur, Malaysia, 26-28 November 2010.
179.	Chandrakant N, P Deepa Shenoy, Venugopal K R, and L M Patnaik, "Prevention of Malicious Nodes Communication in MANETs By Using Authorized Tokens", In Proceedings of the 2010 International Conference on Future Generation Communication and Networking-Springer verlag, Jeju, Jeju Island, Korea, 31-15 December 2010.
180.	Anita Kanavalli, Geetha TL, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Preserving Energy Using Link Protocol in Wireless Networks", In Proceedings of MANET 2010/FGCN, Springer Verlag, Jeju Island, Korea, 13-15 December 2010.
181.	LM Patnaik, Venugopal KR (Editors), 4 th International Conference on Information Processing, Bangalore, Aug 6-8, 2010, published by IK International Publishing House Pvt Ltd, New Delhi.
182.	D N Sujatha, Venugopal K R, L M Patnaik, "CCAM : A Comprehensive Cost Analysis Model for Video on Demand Application", IEEE Advanced Computing Conference, pp. 157-161, Patiala, India, February 2010
183.	Alice A, Jamal Ahmed, Amruta Pai, Lakshmi N, Rashmi, Sunitha, Venugopal K R, L M Patnaik, "Wavelet Coded Preferential Image Transmission in Wireless Multimedia Sensor Networks", In Proc. of International Conference on Information Processing, I K Publishers, Delhi, pp. 315-320, Bangalore, August 6 th – 8 th , 2010.
184.	Veena Bhat, P Deepa Shenoy, Venugopal K R, L M Patnaik, "JHUF-5 Steganalyzer: Huffman based Steganalytic Features for Reliable Detection of YASS in JPEG images", In the proceedings of the 2010 International Conference on Signal Processing, Image Processing and Pattern Recognition, Springer Verlag, Jeju Island, Korea, 13-15 th , December 2010.
185.	Chetana Hegde, Rahul Prabhu H, Sagar D S, P Deepa Shenoy, K R Venugopal, L M Patnaik, "Human Authentication Based on ECG Waves using Radon Transform", In the proceedings of the 2010 International Conference on Security Technology (SecTech 2010), Springer Verlag, Jeju Island, South Korea, 13-15 th , December 2010.
186.	Sandhya Joshi, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Assessing Various Stages of Dementia Using Neuropsychological Tests and Machine Learning Methods", International Conference on Statistics, Probability, Operation Research Computer Science and Allied Areas, Visakapatnam, January 4 – 8 th , 2010.
187.	Saleema JS, P Deepa Shenoy, Venugopal KR, LM Patnaik, "PCA Algorithms for High Dimensional Data Using Neural Networks", 4 th International Conference on Information Processing, Bangalore, Aug 6-8, 2010, pp. 473-478.
188.	Chandrakant N, Kiran, Darshan K, Deepa Shenoy P, Venugopal K R, L M Patnaik "Design and Implementation of Fixed Accounting Strategy for Dynamic IP Based Networks"

	1st International Conference on Parallel, Distributed and Grid Computing (PDGC-2010)-In Proceedings of PGDC, IEEE, Solon(HP), November 2010.
189.	Chandrakant N, Swati P Joshi, P Deepa Shenoy ,Venugopal K R and L M Patnaik, “Stopping Communication of Malicious Nodes in MANETs using Authorized Tokens”, 1st International Conference on Parallel, Distributed and Grid Computing (PDGC-2010)- In Proceedings of IEEE-PDGC, Solon(HP), November 2010.
190.	Chandrakant N, Rakesh R, Srikanth V M, Sathwikh G N, Deepa Shenoy P, Venugopal K Rand L M Patnaik, “Protocol to Simulate Application of RFID Technology in Public Transportation System”, 1st International Conference on Parallel, Distributed and Grid Computing (PDGC-2010) In Proceedings of IEEE-PDGC-IEEE, Solon(HP), November 2010.
191.	Ramachandra A C, Raghavendra M A N S, K B Raja, Venugopal K R, L M Patnaik, “Fingerprint Recognition using Inter Ridge Variation,” IEEE International Conference on Emerging Trends in Engineering and Technology, November 2010.
192.	Prakash GL, Prathibha AB, Vikram K, Yashaswini K, Rekha MS, Tejaswi V, Thriveni J, KR Venugopal, LM Patnaik, “EEAPA : Energy Efficient Adaptive Precision Allocation for Data Aggregation in Wireless Sensor Networks”, 4 th International Conference on Information Processing, Bangalore, Aug 6-8, 2010, pp. 281-290.
193.	Bharati S, Pooja PS, P Deepa Shenoy, Venugopal KR, LM Patnaik, “Performance Analysis of Clustering Techniques for Object Oriented Segmentation of Satellite Images”, 4 th International Conference on Information Processing, Bangalore, Aug 6-8, 2010, pp. 23-32.
194.	Ramesha K, Srikanth N, K B Raja, Venugopal K R, L M Patnaik “Advanced Biometric Identification on Face, Gender and Age” In Proceedings of ACEEE -ARTCOM, October 2009.
195.	Lavanya B N, K B Raja, Venugopal K R, L M Patnaik “Minutia Extraction in Fingerprint using Gabor Filter Enhancement” Proceedings of IEEE International Conference on Advances in Computing, Control and Telecommunication Technologies, pp.54-56, December 2009.
196.	H C Sateesh Kumar, K B Raja, Chandrakala C, Fazilath Begum, Venugopal K R and L M Patnaik “Unsupervised Image Segmentation Using Wavelets” in Proceedings of IEEE International Conference on Emerging Trends in Computing, pp15-19, Jan 2009.
197.	Veena H Bhat, Prashanth G Rao, P Deepa Shenoy, Venugopal K R, L M Patnaik, “An Efficient prediction Model for Diabetes Database using Soft Computing Techniques”, 12 th International Conference on Rough Sets, Fuzzy Sets, Data Mining and Granular Computing (RSFDGrC 2009), vol. 5908, pp. 328-335, LNCS New Delhi, 2009.
198.	C R Prashanth, S Sindhu, K B Raja, Venugopal K R, L M Patnaik, “Efficient and Fast Iris Recognition System using Integer Wavelet Transforms”, In IEEE Proceedings of International Advance Computing Conference (IACC’09), March 2009.
199.	Ramachandra A C, Joythi Srinivas, K B Raja, Venugopal K R, L M Patnaik, "Robust Offline Signature Verification based on Global Features", In IEEE Proceedings of International Advance Computing Conference (IACC’09), March 2009.
200.	S H Manjula, Prabhavathi M, Arjun A V, Shaila K, L Nalini, Venugopal K R, L M Patnaik, “Multi-Hop Routing for Multistationed Wireless Sensor Networks”, In IEEE Proceedings of International Computing Conference (IACC09) IEEE International, pp. 806-811,, Patiala, Punjab, 6-7 March 2009.
201.	H C Sateesh Kumar, K B Raja, Chandrakala C, Fazilath Begum, Venugopal K R and L M Patnaik, “Unsupervised Image Segmentation Using Wavelets”, In IEEE Proceedings of International Conference on Emerging Trends in Computing, pp.15-19, Jan 2009.
202.	C R Prashanth, S P Ganavi, T D Mahalakshmi, K B Raja, Venugopal K R, L M Patnaik, “Iris Feature Extraction using Directional Filter Bank for Personal Identification”, In Proceedings of International Conference ACM COMPUTE, Bangalore, January 2009.
203.	Ramachandra A C, Pavithra K, Yashasvini K, K B Raja, Venugopal K R, L.M. Patnaik, “Offline Signature Authentication using Cross-validated Graph Matching”, In Proceedings of International Conference ACM COMPUTE, Bangalore, January 2009.
204.	Siddesh G M, Srinivasa K G, Venugopal K R and L M Patnaik, “Publish/Subscribe Publication based Middleware for Web Services”, In Proceedings of International Conference on Information Processing, pp. 579-584, Bangalore, 2009.
205.	Chetana Hegde, Rahul Prabhu H, Sagar D S, Vishnu Prasad K, P Deepa Shenoy, Venugopal K R, L M Patnaik, “Authentication of Damaged Hand Vein Patterns by Modularization”, In IEEE Proceedings of TENCON 2009, Singapore, 23-26 November 2009.

206.	Veena H Bhat, Prasanth G Rao, Deepa Shenoy, Venugopal K R, L M Patnaik, "Simple k-means Clustering with CART to Enhance Classifier Accuracy", In Proceedings of Third Information Conference Processing, Bangalore, pp. 395-400, August 7-9, 2009.
207.	Bharathi S, Pooja Sheth, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Object Oriented Segmentation for Land Cover Types Using Data Mining Techniques", 12 th IEEE International Conference on Information Technology, Bhubaneswar, Orissa, 2009.
208.	Triveni J, Vikas M, Venugopal K R, L M Patnaik, "Controlled Data Rate to Reduce the Packet Loss in Ad Hoc Wireless Networks", In IEEE Proceedings of IACC, pp. 3532-3537, Patiala, Punjab, March 6-7, 2009.
209.	Anita Kanavalli, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Time Synchronization for an Efficient Sensor Network System", In 17 th International Conference on Advanced Computing and Communication ADCOM 2009, Bangalore, December 14 th -17 th , 2009.
210.	Anita Kanavalli, P Deepa Shenoy, Venugopal K R, L M Patnaik, "A Flat Routing Protocol in Sensor Networks", International Conference on Methods and Models JNU, New Delhi, December 14 th – 16 th 2009.
211.	C R Prashanth, K B Raja, K R Venugopal, L M Patnaik "Standard Scores Correlation based Off line Signature Verification System" Proceedings of IEEE International Conference on Advances in Computing, Control and Telecommunication Technologies, pp. 49-53, December 2009.
212.	Shaila K, S H Manjula, Aruna R, Anupama, Venugopal K R, L M Patnaik, "Resilience Key Predistribution Scheme using Asymmetric Matrices for Wireless Sensor Networks", In IEEE Proceedings of International Advance Computing Conference(IACC' 09), Patiala, Punjab, pp. 833, 2009.
213.	T H Manjula Devi, Pooja, P. Shenoy, Swathi Saigali, Harsha Mathew, K B Raja, Venugopal K. R., L M Patnaik, "Extracting Hidden Image Using Histogram, DFT and SVM", In Proceedings of International Conference ACM COMPUTE, Bangalore, India, 2009.
214.	T H Manjula Devi, Pooja, P. Shenoy, Swathi Saigali, Harsha Mathew, K B Raja, Venugopal K. R., L M Patnaik, "Steganalysis using Histogram, DFT and SVM", In IEEE Proceedings of International Conference on Emerging Trends in Computing, pp. 121-125, 2009.
215.	S H Manjula, Nithin B K, Sarvajith M, Shaila K, L Nalini, Venugopal K R, L M Patnaik, "Optimal Scheduling for Maximizing the Network Lifetime of Wireless Sensor Networks", In Proceedings of International Conference on Information Processing (ICIP), pp. 193-201, Bangalore, 8-10 August 2009.
216.	Ravi J, K B Raja, Venugopal K R and L M Patnaik, "Fingerprint Recognition Using Block Filter Thinning," In IEEE Proceedings of Seventh International conference on Information science, Technology and Management, Delhi, July 13-15, 2009.
217.	H S Manjunatha Reddy, K B Raja, K Suresh Babu, Venugopal K R and L M Patnaik, "Multilevel Wavelet Fusion Steganography", In IEEE Proceedings of Seventh International conference on Information science, Technology and Management, Delhi, July 13-15, 2009.
218.	L M Patnaik, Chapter in Book on "Contemporary Issues in Engineering Education", published on the occasion of ISTE-IFEES Asia-Pacific Regional Conference, KIIT University, Bhubaneswar (Dec 19-21, 2008), Macmillan Publisher, 2009.
219.	Chetana Hegde, Rahul Prabhu H, Sagar DS, Vishnu Prasad K, P Deepa Shenoy, Venugopal KR and L M Patnaik, "Authentication of Damaged Hand Vein Patterns by Modularisation", IEEE Proceedings of the TENCON 2009, Singapore, 23-26 Nov 09.
220.	S H Manjula, Nitin B K, Sarvajith M, Shaila K, Nalini L, Venugopal K R, L M Patnaik, "Optimal Scheduling for Maximizing the Network Lifetime of Wireless Sensor Networks", 3rd International Conference on Information Processing, Bangalore, Aug 8-10, 2009.
221.	Veena H. Bhat, Prasanth G. Rao, Deepa Shenoy, Venugopal K R, L M Patnaik, "Simple k-means Clustering with CART to Enhance Classifier Accuracy", 3rd International Conference on Information Processing, Bangalore, Aug 8-10, 2009.
222.	Siddesh G M, K G Srinivasa, Venugopal K R, L M Patnaik, "Publish/Subscribe Replication Based Middleware for Web Services", 3rd International Conference on Information Processing, Bangalore, Aug 8-10, 2009.

223.	Chandrakant N, Swathi B N, Thejashree C, Prajwal Muralidhara, P Deepa Shenoy, Venugopal K R, L M Patnaik, "SKCN : Secret Key Establishment for Cluster Based Networks", 3rd International Conference on Information Processing, Bangalore, Aug 8-10, 2009.
224.	L M Patnaik, K R Venugopal, "Proceedings: 3rd International Conference on Information Processing", Aug 7-9, 2009, IK International Publisher
225.	L M Patnaik, KR Venugopal, "Proceedings: 2nd International Conference on Information Processing", Aug 8-10, 2008, IK International Publisher.
226.	Vibha L, Deepa Shenoy P, K R Venugopal, L M Patnaik, "Robust Technique for Segmentation and Counting of Trees from Remotely Sensed Data", In International Advanced Computing Conference IACC, Patiala, Punjab, , pp. 1437 2009.
227.	K B Raja, Sindhu S, T D Mahalakshmi, S Akshatha, B K Nithin, M Sarvajith, K R Venugopal and L M Patnaik, "Robust Image Hiding Scheme using Integer Wavelets", IEEE Signal Processing Letters, 2009.
228.	Ramachandra A C, Pavithra K, Yashasvini K, Raja K B, K R Venugopal, L M Patnaik, "Offline Signature Authentication using Crossvalidated Graph Matching", in Proceedings of International Conference ACM COMPUTE, Bangalore, 2009.
229.	C R Prashanth, S P Ganavi, T D Mahalakshmi, K B Raja, K R Venugopal, L M Patnaik, "Iris Feature Extraction Using Directional Filter Bank for Personal Identification", In Proceedings of International Conference ACM COMPUTE, Bangalore, India, January 2009.
230.	H Satish Kumar, Tahaseena, Veena Naik, K B Raja, Venugopal K R and L M Patnaik, "Minutiae Extraction Using Gabor Filtering Enhancement", COMSNETS, Bangalore, 2009.
231.	K Ramesha, Srinath K, K B Raja, Venugopal K R and L M Patnaik, "Face and Age Recognition Using SVM", COMSNETS, Bangalore, 2009.
232.	T Shivaprakash, G S Badrinath, K R Venugopal, L M Patnaik "Topology Control Energy Management in AdHoc Wireless Networks", IEEE Transactions on Mobile Computing, Under review 2009.
233.	S H Manjula, Prabhavathi M, Arjun A V, Shaila K, L Nalini, K R Venugopal, L M Patnaik, "Multi-Hop Routing for Multiple Stationed Wireless Sensor Networks", IEEE, International Computing Conference (IACC 09), pp 806-811, March 6-7 2009, Patiala, Punjab.
234.	Prakash G L, Thejaswini M, S H Manjula, K R Venugopal, L M Patnaik, "Energy Efficient Data Processing in Sensor Networks", International Conference on Computer Science: ICCS'09, Hong Kong, 18-20 March, 2009
235.	C R Prashanth, S Sindu, K B Raja, K R Venugopal, L M Patnaik, "Biometric Personal Identification by Iris Verification using Integer Wavelets", IEEE International Conference on Multimedia Signal Processing and Communication Technologies (IMPACT), March 2009.
236.	Ramachandra A C, Jyothi Srinivasa Rao, K B Raja, K R Venugopal, L M Patnaik, "Robust Offline Signature Verification Based on Global Features", International Conference, IEEE International Advance Computing Conference (IACC'09), Patiala, Punjab, March, 2009.
237.	C. R. Prashanth, S. Sindhu, K. B. Raja, K. R. Venugopal, L. M. Patnaik "Efficient and Fast Iris Recognition System using Integer Wavelet Transforms", IEEE International Advance Computing Conference (IACC'09), March 2009.
238.	H C Sateesh Kumar, K B Raja, Chandrakala C, Fazilath Begum, Venugopal K R and L M Patnaik "Unsupervised Image Segmentation Using Wavelets" in Proceedings of IEEE International Conference on Emerging Trends in Computing, pp15-19, Jan 2009.
239.	Ramesha K, Varaprada Adiga N, Siddu D G , K B Raja, Venugopal K R, L.M. Patnaik "Feature based Face Recognition using Mole Detection" in Proceedings of IEEE International Conference on Emerging Trends in Computing, pp.65-70, January 2009.
240.	Chetana Hegde, Manu S, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Secure Authentication using Image Processing and Visual Cryptography for Banking Applications", In Proceedings of International

	Conference on Advanced Computing (ADCOM-2008), pp. 65 – 72, December 2008.
241.	Srinivasa K G, Anuj Bhatt, Srichand Pendiyala, Venugopal K R and L M Patnaik, “Storage and Matching Technique in Genomic Sequences for Approximate Motif Searching” ICCIT 2008, Korea.
242.	Srinivasa K G, Poornima, Archana, Venugopal K R, L M Patnaik, “Novel Key Generation Algorithm for Distributed Sensor Networks”, IEEE Proceedings of the 16th International Conference, ADCOM 2008.
243.	K. Suresh Babu, K.B.Raja, Kiran K., Chandra Shekar K.S., Venugopal K.R., and L.M.Patnaik, “Steganalysis to find the Stego-Tool and the Length of the Payload Using One-Class and Multi-Class SVMs”, International Conference on Information Processing-2008, August 8-10, 2008, Bangalore, pp. 264-270
244.	Vibha L, Chetana Hegde, Prashanth S J, P. Deepa Shenoy, K R Venugopal, L M Patnaik, “Identification of Dynamic Objects in Video Streams for Multimedia Mining”, In Proceedings of the International Conference SPIT colloquium IEEE, vol.1, pp. 193-198, Mumbai, 4-5 Feb, 2008.
245.	Thriveni J, Alekhya V L, Deepa N, Uma B, Alice A, Prakash G L, K R Venugopal, L M Patnaik, “QoS Preemptive Routing with Bandwidth Estimation for Improved Performance in Ad Hoc Networks”, ICIAFS, IEEE, Colombo, Srilanka, December 12-14 2008.
246.	Thriveni J, Vishwanath K R, Jayashree V, Neelima S, Parinitha B M, Sneha K, Shaila K, K R Venugopal and L M Patnaik, “Optimized Multicast Routing for Improved Survivability of Mobile Ad Hoc Networks”, ICCEE, Phuket Island, Thailand, December 20-22, 2008.
247.	Thriveni J, Ashwini B, Latha A, Sandhyashree K R, Prakash G L, Venugopal K R, L M Patnaik, “Broadcast with Negative Acknowledgements for Enhanced Delivery Ratio in MANET with Dual Coverage”, IFIP Wireless Days Conference 2008, pp. 1-5, UAE, November 24 – 27, 2008.
248.	Thriveni J, Vishwanath K R, Jayashree V, Neelima S, Parinitha B M, Sneha K, Shaila K, K R Venugopal, L M Patnaik, “Optimized Multicast Routing for Improved Survivability of Mobile Ad Hoc Networks”, IEEE, ADCOM 2008, Anna University, Chennai, December 14-17 2008.
249.	Thriveni J, Ashwini B, Latha A, Sandhyashree K R, Prakash G L, Alice A, Venugopal K R, L M Patnaik, “Dual Covered Broadcast with Negative Acknowledgements for Enhanced Reliability in Mobile Ad Hoc Networks”, IEEE Proceedings of TENCON 2008, Hyderabad, pp. 1-6, November 19-21, 2008.
250.	Thriveni J, Anita Kanavalli, Venugopal K R, L M Patnaik, “Probabilistic Mean Energy Flooding to Increase the Survivability of MANET”, In Proceedings of International Conference on Communication System and Application, Hong Kong (IMECS 2008), March 19-21, 2008.
251.	S H Manjula, Prabhavathi M, Arjun A V, Shaila K, L Nalini, K R Venugopal, L M Patnaik, “Multi-Hop Routing for Multistationed Wireless Sensor Networks”, IEEE, INDICON December 11-13 2008, IIT-Kanpur.
252.	S H Manjula, Prabhavathi M, Arjun A V, Shaila K, L Nalini, K R Venugopal, L M Patnaik, “Multi-Hop Path Routing for Multiple Base Stationed Sensor Network using MTC Algorithm.”, IEEE Proceedings of ADCOM (2008), pp. 225-233, December14-17, Chennai.
253.	S H Manjula , Bindu Reddy E, Shaila K, L Nalini, K R Venugopal, L M Patnaik,” Base-station Controlled Clustering Scheme in Wireless Sensor Networks.” IFIP Wireless Days Conference, pp. 1-5, November 24, 2008, Dubai.
254.	S H Manjula, Krupa R, Saba K, Lalithamma N, Kavitha L, Shaila K, L Nalini, K R Venugopal, L M Patnaik, “Network Lifetime Maximizing Gradient Algorithm for Deadend in Wireless Sensor Networks.” IEEE Proceedings of TENCON (2008) 10 Conference, pp. 1-6, November 18-21 2008. Hyderabad, India.
255.	S H Manjula, Arjun A V, Shilpa K R A, Shwetha N, Swetha N A, Shaila K, L Nalini, K R Venugopal, L M Patnaik, “Maximizing Lifetime of a Coverage and Connectivity Guaranteed Heterogeneous Wireless Sensor Networks.” International conference on Communication, Convergence, and Broadband Networking (ICCBN), July 17-19 2008, Bangalore, India.

256.	Suraiya Tarannum, Srividya S, Asha D S, Padmini R, L Nalini, Venugopal K R, L M Patnaik, "Dynamic Hierarchical Communication Paradigm for Wireless Sensor Networks : An Energy Efficient, Centralized Approach" ICCBN, IEEE Comp. Society 2008.
257.	Shaila K, Thriveni J, Vidya Yeri, Neelavathi H N, Arjun A V, Nalini L, Venugopal K R and L M Patnaik, "Secure QoS-Aware Data Fusion in Wireless Sensor Networks", in Proceedings of International Conference on information Processing (ICIP 2008), pp. 502-509, August 8-10, Bangalore, 2008.
258.	Prakash G L, Thejaswini M, S H Manjula, K R Venugopal, L M Patnaik, Energy Efficient In-Network Processing in Sensor Networks, ICT 2008 "International Conference on Information and Communication Technologies" WCSET 2008: World Congress on Science, Engineering and Technology, Bangkok, Thailand December 17-19, 2008.
259.	Anita Kanavalli, Jayashree A, Deepa Shenoy P, Venugopal K R, L M Patnaik, "Hop by hop Congestion Control System for Adhoc Networks", In IEEE Proceedings of TENCON, pp. 1-4, 19-21st November 2008.
260.	Chetana Hegde, Manu S, P Deepa Shenoy, Venugopal K R and L M Patnaik, "Authentication using Image Processing and Visual Cryptography", In Proceedings of Second International Conference on Information Processing, ICIP pp.418-426, 2008.
261.	D N Sujatha, Girish K, Venugopal K R, L M Patnaik, "Admission Control Strategy for Efficient Resource Management in a VoD System", In IEEE Proceedings of International Conference on Signal Processing, Communication and Networking (ICSCN), India, pp. 288-293, 2008.
262.	Vibha L, Venkatesh M, Prasanth G. Rao, Suhas N, Deepa Shenoy P, Venugopal K R, L M Patnaik, "Moving Vehicle Identification using Background Registration Technique for Traffic Surveillance", In IEEE Proceedings of the International Association of Engineers International Multiconference of Engineers Computer Scientists 2008 (IMECS 2008), pp. 572-577, Hong Kong, 2008.
263.	D N Sujatha, Girish K, Venugopal K R, L M Patnaik, "An Efficient Storage Mechanism to Distribute Disk Load in a VoD Server", In Proceedings of International Conference on Distributed Computing and Networking (ICDCN), India, pp. 478-483, Springer-Verlag LNCS vol. 4904, 2008.
264.	Ramachandra A C, Pavithra K, Yashasvini K, K B Raja, Venugopal K R, L.M. Patnaik "Cross-Validation for Graph Matching based Offline Signature Verification" in Proceedings of IEEE-INDICON, IIT- Kanpur, pp.17-22, December, 2008.
265.	H Satish Kumar, Chandrakala C, Fazilath Begaum, K B Raja, K R Venugopal, L M Patnaik, "Unsupervised Image Segmentation Using Wavelet Transformation", ADCOM, Chennai, 2008.
266.	Chetana Hegde, Manu S., P. Deepa Shenoy, Venugopal K.R. and L.M.Patnaik, "Authentication using Image Processing and Visual Cryptology", International Conference on Information Processing-2008, August 8-10, 2008, Bangalore, pp 418-423.
267.	Thriveni J., Alekhya V.L., Deepa N., Uma B., Alice A., Prakash G.L., K.R.Venugopal and L.M.Patnaik, "Preemptive Routing with Bandwidth Estimation for Enhanced QoS in Ad Hoc Networks", International Conference on Information Processing-2008, August 8-10, 2008, Bangalore, pp. 446-451.
268.	Thriveni J., Vishwanath K.R., Jayashree V., Neelima S., Parinitha B.M., Sneha K., Shaila K., K.R.Venugopal and L.M.Patnaik, "Energy Efficient Multicasting for Optimizing Network Lifetime in Wireless Ad Hoc Networks", International Conference on Information Processing-2008, August 8-10, 2008, Bangalore, pp. 502-507.
269.	Shaila K., Thriveni J., Vidya Yeri, Neelavathi H.N., Arjun A.V., Nalini L., K.R.Venugopal and L.M.Patnaik, "Secure QoS-Aware Data Fusion in Wireless Sensor Networks", International Conference on Information Processing-2008, August 8-10, 2008, Bangalore, pp. 511-517.
270.	S.H.Manjula, Krupa R., Saba K., Lalithamma N., Kavitha L., Shaila K., L. Nalini, K.R.Venugopal and L.M.Patnaik, "GRADE: Energy Efficient Gradient Algorithm for Dead End in Wireless Sensor Networks", International Conference on Information Processing-2008, pp. 544-556, August 8-10, 2008, Bangalore.

271.	K Suresh Babu, K B Raja, Kiran Kumar K, Venugopal K R, L.M. Patnaik, "Authentication of Secrete Information using Wavelets", In IEEE Proceedings of IEEE-TENCON, University of Hyderabad, pp.1-6, November 19-21, 2008.
272.	L.M.Patnaik, K.R.Venugopal, "Information Proceasing" Proceedings – Second International Conference, August 8-10, 2008, Bangalore.
273.	Vibha Lakshmikanth, Venkatesh M, Prashanth G Roa, Suhas N, P Deepa Shenoy, K R Venugopal, L M Patnaik, "Moving Vehicle Identification Using Background Registration Technique for Traffic Surveillance", Proceedings of International Association of Engineers International Multiconference of Engineers Computer Scientists 2008(IMECS 2008), 19-21 March 2008, Hong Kong.
274.	S H Manjula, C N Abhilash, Shaila K, K R Venugopal, L M Patnaik, "Performance of AODV Routing Protocol using Group and Entity Mobility Models in Wireless Sensor Networks", IEEE Proceedings of International Conference on Communication Systems and Applications (IMECS 2008), vol.2, pp. 1212-1217, Hong Kong, March 19-21, 2008.
275.	S H Manjula, C N Abhilash, Alice A, L Nalini, K R Venugopal, L M Patnaik, "Routing Protocol using Group and Random Based Mobility Models in Wireless Sensor Networks", IEEE Proceedings of International Conference SPIT-IEEE Colloquium 2007-08, vol.3, pp. 153-158, Mumbai, February 4-5 2008.
276.	Suraiya Tarannum, Srividya S, Asha D S, Padmini R, L Nalini, Venugopal K R, L M Patnaik, "Dynamic Hierarchical Communication Paradigm for Wireless Sensor Networks : Centralized Energy Efficient Approach", In IEEE Proceedings of ICCBN, IEEE Comp. Society, pp. 959-963, 9-12th November 2008.
277.	Suraiya Tarannum, Aravinda B, L Nalini, K R Venugopal and L M Patnaik, "Dynamic Hierarchical Communication Paradigm for Wireless Sensor Networks: A Centralized, Energy Efficient Approach", ACST- 2008, IASTED, Malaysia, April-2008.
278.	Suraiya Tarannum, Aravinda B, L Nalini, K R Venugopal and L M Patnaik, "Dynamic Hierarchical Communication Paradigm for Wireless Sensor Networks: A Centralized, Energy Efficient Approach", International Conference on Information Systems and Technology, Anna University, 2008.
279.	Thriveni J, Alekhya V L, Deepa N, Uma B, Alice A, Prakash G L, Venugopal K R, L M Patnaik, "QoS Preemptive Routing with Bandwidth Estimation for Improved Performance in Ad Hoc Networks", In IEEE Proceedings of ICIAFS, IEEE, Colombo, Srilanka, pp. 443-448, December 12-14 2008
280.	Suraiya Tarannum, Divya Prakash, Sneha Susan George, Tara B V, Ushe S, Nalini L, Venugopal K R and L M Patnaik, "Consolidate and Advance: An Efficient QoS Management Technique in Heterogeneous Wireless Sensor Networks", In IEEE Proceedings, Anna University, Chennai, pp. 80-85, 4-6 th January 2008.
281.	D N Sujatha, Girish K, Vipin Rajan, K R Venugopal, L M Patnaik, "Video On Demand Application in Portable Device: A New Paradigm", IEEE International Conference on Multimedia and Expo (ICME), Germany, 2008.
282.	Thriveni J, Vikas M, Shaila K, Venugopal K R, L M Patnaik, "Drop Reduction with Controlled Flow Rate for Reliable Delivery in MANET", Proceedings of International Conference SPIT-IEEE Colloquium 2007- 08, Mumbai, February 4-5, 2008.
283.	Srinivasa K G, Archana, Reshma, Poornima, Venugopal K R and L M Patnaik, "Combinatorial Approach to Key Generation using Multiple Key Spaces for Wireless Sensor Networks", IEEE Press, In IEEE Proceedings of 16 th International Conference on Advanced Computing and Communications, ADCOM 2008, MIT, Chennai, pp. 279-284, 14-17 th December 2008.
284.	Anita Kanavalli, Udaya Ranga, Satish G, Deepa Shenoy P, Venugopal K R, L M Patnaik, "Proactive Sliding Window Strategy for Merging Sensor Enabled Cars", In Proceedings of ICON, pp. 1-5, 12-14 th December, 2008.
285.	S H Manjula, C N Abhilash, K.R. Venugopal, L.M. Patnaik, "Performance of AODV Routing Protocol using Group and Entity Mobility Models in WSNs", Third International Conference on Wireless Communications and Sensor Networks, IIT, Alahabad, India.

286.	S H Manjula, Bindu Reddy E, Shaila K, L Nalini, Venugopal K R, L M Patnaik, "Base- station Controlled Clustering Scheme in Wireless Sensor Networks", IFIP Wireless Days Conference, pp. 1-5, Dubai, 24 November 2008.
287.	D N Sujatha, Sunil Kumar N, Girish K, K R Venugopal, L M Patnaik, "CCAM: A Comprehensive Cost Analysis Model for Video-on-Demand Systems", International Conference on Distributed Systems, China, 2008.
288.	K Suresh Babu, K B Raja, Kiran K, Chandra Shekar K.S, Venugopal K R, L.M. Patnaik, "Steganalysis to find the Stego-Tool and the Length of the Payload using One Class and Multi Class SVMs", In Proceedings of Second International Conference on Information Processing, Bangalore, pp. 264-270, 2008.
289.	K B Raja, K Suresh Babu, Kiran Kumar, Y Rangaswami, K R Venugopal, L M Patnaik, "Authentication of Secret Information In Image Steganography", International Conference on Image Processing, China, January 2008.
290.	K B Raja, S Sindhu, T D Mahalakshmi, S Akshatha, B K Nithin, M Sarvajith, K R Venugopal and L M Patnaik, "Secure Image Steganography Scheme using Condition Number", COMSWARE 2008, Bangalore, January 2008.
291.	Suraiya Tarannum, Divya Prakash, Sneha Susan George, Tara B V, Ushe S, L Nalini, and K R Venugopal and L M Patnaik, "Consolidate and Advance: An Efficient QoS Management Technique in Heterogeneous Wireless Sensor Networks", Proceedings of the International conference on Information Systems and Technology, Anna University, Chennai, January 2008.
292.	K B Raja, K Suresh Babu, Kiran Kumar, Datta S N, Devaraja D, Chandrashekhar K S, K R Venugopal, L M Patnaik, "Robust Steganalysis Method to Find the Stego Tool and the Length of Payload Using One Class and Multi Class SVMs", IASTED International Conference, Austria, 2008.
293.	K B Raja, S Sindhu, T D Mahalakshmi, S Akshatha, B K Nithin, M Sarvajith, Venugopal K R and L M Patnaik, "Secure Image Steganography Scheme Using Condition Number", In IEEE Proceedings of COMSWARE2008, Bangalore, pp. 614-626, 6-8th January 2008.
294.	Srinivasa K G, Srichand P, Anuj Bhatt, K.R. Venugopal and L M Patnaik "An Efficient Search Algorithm in Genomic Sequences", ACM Compute 2008.
295.	K B Raja, K Suresh Babu, Arpitha P, Asima Nishat, K R Venugopal, L M Patnaik, "Multi Resolution Wavelet Decomposition Steganographic Model", ACM Compute 2008, Bangalore, 2008.
296.	Triveni J, Vishwanath K R, K.R. Venugopal, L.M. Patnaik, "Probabilistic Average Energy Flooding to Maximize Lifetime of Mobile AdHoc Networks", IEEE International Conference on COMSWARE, Bangalore, 2008.
297.	S H Manjula, Prabhavathi M, Arjun A V, Shaila K, L Nalini, Venugopal K R, L M Patnaik, "Multi-Hop Path Routing for Multiple Base Stationed Sensor Network using MTC Algorithm", In IEEE Proceedings of ADCOM (2008), pp. 225-233, Chennai, 14-17 December 2008.
298.	K B Raja, S Sindhu, T D Mahalakshmi, S Akshatha, B K Nithin, M Sarvajith, K R Venugopal and L M Patnaik, "Robust Image Adaptive Steganography using Integer Wavelets ", IEEE COMSWARE, Bangalore, 2008.
299.	Srinivasa K G, Jagadish M, K R Venugopal and L M Patnaik, "Data Mining Based Query Processing using Rough Sets and Genetic Algorithms", IEEE ICDM, pp. 275-282, USA, April 2007.
300.	K Suresh Babu, K B Raja, Bhanumathi S M, Prathibha B S, Shilpa Soman, N Suresh Kumar, Venugopal K R, L M Patnaik "Multimedia Data Hiding in Audio using Cepstral Domain" In Proceedings of ICICOT-07, Manipal, pp. 360-366, December 2007.
301.	B K S V L Varaprasad, L M Patnaik, H S Jamadagni, V K Agrawal, "A New ATPG Technique (ExpoTan) for Testing of Analog Circuits", IEEE Transactions on Computer Aided Design, Vol.26, No.1, Jan 2007, pp.189-196.

302.	Anitha Kanavali, P. Deepa Shenoy, K.R. Venugopal, L.M. Patnaik, "Breach Path Routing for Data Aggregation in Wireless Sensor Networks", International Conference on Information Processing, Bangalore, 2007.
303.	Triveni J, Vishwanath K R, K R Venugopal, L M Patnaik, "Probabilistic Average Energy Flooding to Maximize Lifetime of Mobile AdHoc Networks", International Conference on Wireless Communication and Sensor Networks, IEEE, IIT Allahabad, December 13-15 2007.
304.	Srinivasa K G, Sagnik Dhar, Venugopal K R and L M Patnaik, "Statistical Analysis and Compression of DNA Sequence using Weighted Probability Approach and Modified Runlength Coding", In Proceedings of 3rd Indian International Conference on Artificial Intelligence, pp. 1058-1070, Pune, 2007
305.	Vibha Lakshmikanath, Harshavardhan G M, Pranaw K, P Deepa Shenoy, K R Venugopal, L M Patnaik, "Segmentation Technique for Mammography Classification", Proceedings of the Fourth International Conference on Asian Applied Computing Conference, 13-15 Dec 2007, Katmandu, Nepal.
306.	K B Raja, K Suresh Babu, Shilpa B R, Chetana A K, Radhika K, K R Venugopal, L M Patnaik, "Robust Image Steganography Using Decomposed Color Quantization", Proceedings of International Conference on Information Processing, ICIP 2007, pp.107-113, Bangalore 2007.
307.	Vibha L, Harshavardhana G M, Pranaw K, P Deepa Shenoy, Venugopal K R, L M Patnaik "Lesion Detection using Segmentation and Classification of Mammograms". In Proceedings of the IASTED, pp. 311-316, Austria, February 2007.
308.	K B Raja, K Suresh Babu, Banumathi S N , Prathibha B S, Shilpa Soman, N Suresh Kumar, and K R Venugopal, and L M Patnaik, "Multimedia Data Hiding in Audios Using Cepstral Domain", Proc. of ICICOT-07, pp.360-366, Manipal, December 2007.
309.	Srinivasa K G, K R Venugopal, and L M Patnaik, "Mining BioXML Databases Using LSI and GAs", Accepted, Fourth Asian Applied Computing Conference, Nepal, December 2007.
310.	D N Sujatha, Girish K, K R Venugopal, L M Patnaik, "An Efficient Storage Mechanism to Distribute Disk Load in VoD Server", LCNS Proceedings of International Conference on Distributed Computing and Networking (ICDCN), India, pp.478-483, 2007.
311.	Vibha L, Chetana Hegde, Prashanth S J, Deepa Shenoy, Venugopal K R, L M Patnaik, "Moving Object Identification using Background Elimination Technique", In Proceedings of the First International Conference on Information Processing (ICIP), pp. 507-513, Bangalore, 10-12, August 2007.
312.	Vibha L, Harshavardhan G M, Prashanth S J, Deepa Shenoy, Venugopal K R, L M Patnaik, "A Hybrid Clustering and Classification Technique for Soil Data Mining", In Proceedings of the International Conference on Information Technology in Electrical Sciences (ICTES-2007), pp. 1090-1095, Chennai, 20-22 December, MGR University, 2007.
313.	D N Sujatha, Girish K, Rajesh Srivastava, Venugopal K R, L M Patnaik "Hypercube Architecture for Resource Management in Video on Demand System", IEEE Proceedings of International Conference on Signal Processing and Communication Systems (ICSPCS), Australia, pp. 215-224, 2007.
314.	Srinivasa K G, Srichand P, Anuj Bhatt, K.R. Venugopal and L M Patnaik, "MGIGA: An Iterative Merge Based Genetic Algorithm for Motif Discovery in Genomic Sequences", International Conference on Computational Intelligence and Multimedia Publications, IEEE Computer Society Press, 2007.
315.	Srinivasa K G, Sagnik Dhar, Anuj Bhatt, K.R. Venugopal and L M Patnaik, "Selective Querying and other proposal for Less congested Gnutella Network", 4th International Conference on Distributed Computing and Internet Technology (ICDCIT), Bangalore, 2007.
316.	Srinivasa K G, Srichand P, Anuj Bhatt, K.R. Venugopal and L M Patnaik, "A Genetic Algorithm with Characteristic Amplification through Multiple Geographically Isolated Populations and Varied Fitness Landscapes", 15th International Conference on Advanced Computing and Communications, (ADCOM), IEEE Computer Society Press, 2007.

317.	K B Raja, Siddaraju S, Venugopal K R and L M Patnaik, "Secure Image Steganography Using Colour Palette Decomposition", In IEEE Proceedings of International Conference on Signal Processing, Communications and Networking, ICSCN 2007, IEEE Press, Chennai, pp. 74 - 80, , pp. 22-24 February, 2007.
318.	K B Raja, Lavu Rohitha, Rekha S, Swetha P V, K R Venugopal, L M Patnaik, "LSB Steganalysis to Detect Embedded Message Length using Pixel Pair Threshold", IEEE Proceedings on International conference on Advance Computing and Communications, ADCOM 2007, IIT Gowhathi, pp.765-770, December 2007.
319.	K B Raja, Kiran Kumar K, Satish Kumar N, Lakshmi M S, Preethi H, Venugopal K R and L M Patnaik, "Genetic Algorithm based Steganography using Wavelets", Proceedings of Third International Conference on Information Systems Security (ICISS2007), LNCS, University of Delhi, pp.51-63, 16-20, December 2007.
320.	T Shivaprakash, G S Badrinath, K R Venugopal, and L M Patnaik, Life time Maximization of Homogeneous and Heterogeneous Wireless Ad Hoc Networks, Proceedings of International Conference on Bridging the Digital Divide (AACC 2007), December 2007.
321.	Srinivasa K G, Jagadish M, K.R. Venugopal and L M Patnaik, "Modeling Protein Sequence Analysis", PAKDD, LNCS, Springer Verlag, Hong Kong, China, June 2007
322.	K B Raja, S Sindhu, T D Mahalakshmi, S Akshatha, B K Nithin, M Sarvajith, Venugopal K R and L M Patnaik, "Robust Image Adaptive Steganography using Integer Wavelets", In Proceedings of International Conference on information Processing (ICIP 2007), pp. 100-106, Bangalore, August 10-12, 2007.
323.	K.Suresh Babu, K B Raja, Shilpa B R, Chethana A K, Radhika K, Venugopal K R and L M Patnaik, "Robust Image Steganography using Decomposed Color Quantization", In IEEE Proceedings of International Conference on information Processing (ICIP 2007), pp. 107-113, Bangalore, August 10-12, 2007.
324.	Thriveni J, Vishwanath K R, Venugopal K R, L M Patnaik, "Probabilistic Average Energy Flooding to Maximize Lifetime of Mobile Ad Hoc Networks", In IEEE Proceedings of International Conference on Wireless Communication and Sensor Networks, IEEE, IIIT Allahabad, pp. 65-68, December 13-15 2007.
325.	Srinivasa K G, Srichand P, Anuj Bhatt, Venugopal K R and L M Patnaik, "A Genetic Algorithm with Characteristic Amplification through Multiple Geographically Isolated Populations and Varied Fitness Landscapes", In IEEE Proceedings of 15 th International Conference on Advanced Computing and Communications (ADCOM), IEEE Computer Society Press, pp. 69-74, 2007.
326.	T Shiva Prakash, G S Badrinath, Venugopal K R, L M Patnaik, "Global Incremental Power Model For Life Maximization in Ad-hoc Networks", International Mobile Computing Conference (AMOC – 2007), LNCS, Springer Verlag, Kolkata, India, 2007
327.	T Shivaprakash, G S Badrinath, K R Venugopal, L M Patnaik, "Global Incremental Power Model for Life Maximization in AdHoc Networks", Proceedings of the 5th Asian International Mobile Computing Conference, January 2007.
328.	K Suresh Babu, K B Raja, Uma Maheshwar Rao K, Rashmi K A, Venugopal K R, L M Patnaik "Robust and High Capacity Image Steganography using SVD" IET-UK, In Proceedings of International Conference on Information and Communication Technology in Electrical Sciences (ICTES-2007), Chennai, pp.718-723, December 2007
329.	Suraiya Tarannum, Anitha V, Priya A G, Rajeshwari Adrakatti, L Nalini, K R Venugopal and L M Patnaik, "Self-Healing AntChain for Increased Lifespan of Wireless Sensor Networks", ICTES, Chennai, 2007.
330.	Vibha L, Harshavardhan G M, Pranaw K, P Deepa Shenoy, Venugopal K R and L M Patnaik, "Segmentation Technique for Mammography Classification", In Proceedings of the Fourth International Conference on Asian Applied Computing Conference (AACC 2007), Katmandu, Nepal, 13-15 Dec 2007.
331.	D N Sujatha, Girish K, Ganesh Jaiswal, Venugopal K R and L M Patnaik, "Cluster-Based Congestion Control Mechanism for Enhancing the Performance of VoD System", Proceedings of the International conference on Information Processing, pp.560-569, Bangalore, August 2007.

332.	Srinivasa K G, Krishnaraj P M, Sriram Kashyap, Shashank Hegde, Venugopal K R and L M Patnaik, "A Framework for Adaptive Data Mining Using Hybrid Model of Rough Sets and Two Phase Genetic Algorithms", Proceedings of International Conference on Information Processing, pp. 513 – 522, IK International Publishers, Bangalore, August 2007.
333.	Suraiya Tarannum, Divya Prakash, Sneha Susan George, Tara B V, Ushe S, L Nalini, Venugopal K R, L M Patnaik, "Energy Conserving Relocation for Enhanced QoS in Wireless Network", In Proceedings of ICIP, pp. 318-329, Bangalore, 2007.
334.	Suraiya Tarannum, Aravinda, L Nalini, K R Venugopal and L M Patnaik, "Energy Conscious Routing Protocol for Lifetime Maximization of Wireless Sensor Networks", International Conference on Asian Applied Computing Conference (AACC - 2007) IEEE Computer Society, Nepal, 2007.
335.	Suraiya Tarannum, Anita V, Priya A G, Rajeshwari A, L Nalini, Venugopal K R, L M Patnaik, "Design and Performance of Fault-Tolerant Systems for Improved Lifespan of Wireless Sensor Networks", IEEE Proceedings of ICSIT, IEEE Communications, 2007.
336.	Suraiya Tarannum, Divya Prakash, Sneha Susan George, Tara B V, Ushe S, L Nalini, K R Venugopal and L M Patnaik, "Consolidate and Advance: An Efficient QoS Management Technique", Proceedings of the International Conference on Information Pcessings, Bangalore, August 2007, pp.318-329.
337.	Suraiya Tarannum, Srividya S, Asha D S, Padmini R, Nalini L, Venugopal K R and L M Patnaik, "Sink Administrated Load Balanced Dynamic Hierarchical Routing Protocol in Wireless Sensor Networks", IASTED CSNA Beijing, China, pp. 916-921, 20-22nd December, 2007.
338.	Srinivasa K G, Prashanth S J, K.R. Venugopal and L.M. Patnaik, "Bio-XML Data Mining Using Latent Semantic Indexing and Genetic Algorithms", Asian Applied Computing Conferences, Nepal, June 2007.
339.	D N Sujatha, Girish K, Rashmi B, Venugopal K R, L M Patnaik "Load Balancing in Fault Tolerant Video Server", Proceedings of International Conference on Intelligent Data Engineering and Automated Learning, IDEAL, UK, pp. 306-315, Springer Verlag, LNCS, vol. 4881, 2007.
340.	D N Sujatha, Girish K, Vipin Rajan, K R Venugopal, L M Patnaik, "Video on Demand Application in Portable Devices-A New Paradigm", IMSAA, Bangalore, 2007.
341.	K B Raja, Lavu Rohitha, Rekha S, Swetha P V, Venugopal K R and L M Patnaik, "LSB Steganalysis to Detect the Embedded Message Length using Pixel Pair Threshold", In IEEE Proceedings of International Conference on Advanced Computing and Communications (ADCOM 2007), IIT Gauhati, pp. 765-770, 18-21 st December, 2007.
342.	D N Sujatha, Sunil Kumar N, Girish K, K R Venugopal, L M Patnaik, "A Comprehensive Cost Estimation Model for Video-on-Demand Service" International Conference on Information Processing, pp.560-569, August 2007.
343.	Shivaprakash T, Badrinath G S, Venugopal K R, Chandrakanth N and L M Patnaik, "Energy Efficient Broadcast Routing in Static Wireless AdHoc Networks", Asian Applied Computing Conferences, Nepal, June 2007.
344.	Srinivasa K G, Jagadish M, K.R.Venugopal and L.M.Patnaik, "Modeling Protein Sequence Analysis", PAKDD, LNCS, Springer Verlag, Hong Kong, China, June 2007.
345.	Suraiya Taranaum, Aravinda B, L Nalini, K.R. Venugopal, L M Patnaik, "Maximization of Network Lifetime in Sensor Networks", Asian Applied Computing Conference, Nepal, June 2007.
346.	Vibha Lakshmikanath, P.Deepa Shenoy, K.R.Venugopal, L.M.Patnaik, "Lession Detection Using Segmentation in Digital Mamograms", Asian Applied Computing Conference, Nepal, June 2007.
347.	Srinivasa K G, Sagnik Dhar, K.R.Venugopal, L.M.Patnaik, "Statistical Analysis and Compression of DNA Sequence using Weighted Probability Approach and Modified Runlength Coding", 3rd Indian International Conference on Artificial Intelligence, Pune, 2007.

348.	K B Raja, Siddaraju S, Venugopal K R and L M Patnaik, "High Capacity Data Embedding Using Colour Palette Decomposition", The Fourth IASTED International Conference on Signal Processing, Pattern Recognition, and Applications SPPRA 2007, pp. 88-93, Innsbruck, Austria, 2007.
349.	K.B.Raja, Sidaraju S, K.R.Venugopal, L.M.Patnaik, "Secure Image stegnagraphy Using Color Palette Decomposition", International Conference on Intelligent Sensing, Anna University, Chennai, February 2007.
350.	Shivaprakash T, Badrinath G S, Venugopla K R, and L M Patnaik, "Global Incremental Power Model for Life Maximisation in AD-hoc Networks", International Mobile Computing Conference (AMOC-2007), LNCS, Springer Verlag, Kolkata, India.
351.	Srinivasa K G, Srichand P, Anuj Bhatt, Venugopal K R and L M Patnaik, "MGIGA: An Iterative Merge Based Genetic Algorithm for Motif Discovery in Genomic Sequences", In IEEE Proceedings of International Conference on Computational Intelligence and Multimedia Applications, IEEE Computer Society Press, pp.503-509, 18-21st December, 2007.
352.	Srinivasa K G, Venugopal K R and L M Patnaik, "Two Phase Genetic Algorithms for better query processing", International Conference on Information Processing, Bangalore, 2007.
353.	Srinivasa K G, Sagnik Dhar, Anuj Bhatt, Venugopal K R and L M Patnaik, "Selective Querying and other proposals for less congested Gnutella Network", In Proceedings of 4 th International Conference on Distributed Computing and Internet Technology (ICDCIT), pp. 203-208, Bangalore, 2007.
354.	Srinivasa K G, Sagnik Dhar, Venugopal K R and L M Patnaik, "A New Approach towards DNA Compression and Analysis", 3rd Indian International Conference on Artificial Intelligence, Pune, 2007.
355.	K R Venugopal, L M Patnaik, proceedings of First International Conference on Information Processing, Aug 10-12, 2007 Bangalore.
356.	Srinivasa K G, Jagadish M, K R Venugopal and L M Patnaik, "Compression of DNA Sequences Using Memoization", International Symposium on Biological Data Analysis and Bio Informatics, Greece, LNCS, December 2006.
357.	Srinivasa K G, Srinivas Kumar M, K R Venugopal and L M Patnaik "Naïve Bayesian Probabilistic Model for Personalizing Search Results" International Conference on Neural Applications and Associative Memories, Mexico, November 2006.
358.	Sandeep K S, Sharath K S, Chandramauli, Sarojit D, K R Venugopal, "Modular Disk Imaging Utility", Hewlett Packard University Conference, Bangalore, October 2006.
359.	Venugopal K R, L M Patnaik and M Palaniswami (Editors), Proceedings of the International Conference on Intelligent Sensing and Information Processing, Dec 15-18, 2006, Bangalore.
360.	D N Sujatha, Girish K, K R Venugopal, L M Patnaik, "A Framework for Buffer Apportioning in Video Delivery System", Proceedings of International Conference on Software Knowledge Information Management and Applications (SKIMA), pp.188-193, Thailand, 2006.
361.	Srinivasa K G, Sharath S, Venugopal K R and L M Patnaik, "SAGAX search: An XML Information Retrieval Mechanism Using Self-Adaptive Genetic Algorithms", Proc. of Eighth Asia Pacific Web Conference (APWeb 2005), LNCS, Springer Verlag, January 16-18, 2006, Harbin, China.
362.	Srinivasa K G, Sharath S, Venugopal K R and L M Patnaik, "Indexing XML Documents Using Self Adaptive Genetic Algorithms for Better Retrieval", In Proceedings of Eighth Asia Pacific Web Conference (APWeb 2005), LNCS, Springer Verlag, pp. 640 – 651, Harbin, China, January, 2006.
363.	Anita Kanavalli, Deepa Shenoy, Venugopal K R and L M Patnaik, "Pollution Monitoring using Data Dissemination in Adhoc Sensor Networks", Proceedings of International Conference on Embedded Systems Mobile Communication and Computing (ICEMCC), Bangalore, August 4- 6, 2006.

364.	AnithaKanavali, Anusya J, P. Deepa Shenoy, K.R. Venugopal, L.M. Patnaik, "Multicast Routing using DSR Algorithm with Fuzzy Logic", International Conference on Embedded Systems Mobile Communication and Computing (ICEMCC 2006).
365.	T Shiva Prakash, G S Badrinath, Venugopal K R, L M Patnaik, "Life time maximization of Homogeneous and Heterogeneous Ad Hoc Networks", In Proceedings of Fourth International Conference on Bridging the Digital Divide (AACC 2007) 13-15th December, 2007.
366.	Srinivasa K G, Jagadish M, Prashanth S J, Venugopal K R and L M Patnaik, "Exploring Structurally Similar Protein Sequence Motifs Using Relative-Distance Measures", In IEEE Proceedings of Fourth International Conference on Intelligent Sensing and Information Processing, IEEE Computer Society Press, Bangalore, pp. 128-133, 15-18 th December, 2006
367.	T Shivaprakash, G S Badrinath, K R Venugopal, L M Patnaik, "Efficient Energy Aware Topology Management in AdHoc Wireless Networks", Proceedings of the 8th ICDCN, LCNS-4308, pp.203-215, 2006.
368.	T Shivaprakash, G S Badrinath, K R Venugopal, L M Patnaik, "Efficient Energy Aware Topology Management in AdHoc Wireless Networks", IEEE Proceedings of the International Conference on Systems and Networks Communications, Tahiti, French Polynasia October 2006.
369.	T. Shivaprakash, G. S. Badrinath, K.R. Venugopal, L.M. Patnaik, "Lifetime Maximization of Heterogeneous Wireless AdHoc Networks", IEEE Proceedings of International Conference on Intelligent Sensing and Information Processing, IEEE Computer Society Press, Bangalore 2006.
370.	Srinivasa K G, Sweta J, K.R. Venugopal and L.M. Patnaik, "A Semantic Approach for Mining Biological Databases", International Conference on Computational Intelligence and Security, IEEE Computer Society Press, China, November 2006.
371.	Srinivasa K G, Jagadish M, Venugopal K R and L M Patnaik, "Efficient Compression of Non-Repetitive DNA Sequences Using Memorization", In IEEE Proceedings of 14 th International Conference on Advanced Computing, IEEE Computer Society Press, pp. 569-574, Suratkal, India, 20-23 December, 2006.
372.	Srinivasa K G, K.R. Venugopal and L.M. Patnaik, "A Semantic Approach for Mining Biological Databases", Proceedings of Workshop on Bio-Algorithms. Algorithmic Biology: Algorithmic Techniques in Computational Biology, Institute of Mathematical Sciences, National University of Singapore, 12-14 July 2006.
373.	D N Sjata, Rajesh K V, K.R. Venugopal and L.M. Patnaik, "Batch-Patch Approach for Effective QOS in VOD Systems", Fourth International Conference on Intelligent Sensing and Information Processing, IEEE Computer Society Press, Bangalore, December2006.
374.	Suraiya Tarannum, Aravinda B, Nalini L, Venugopal K R, L M Patnaik, "Routing Protocol for Lifetime Maximization of Wireless Sensor Networks", Proceedings 14th International Conference on Advanced Computing and Communications (ADCOM 2006), NITK, Karnataka, IEEE Computer Society Press, Surathkal, December 20-23, 2006 pp.401-408.
375.	Sujatha D N, Girish K, Venugopal K R and L M Patnaik, "Data sharing Strategy for Guaranteeing Quality-of-Service in VoD Application" Fourth International Conference on Intelligent Sensing and Information Processing, Bangalore IEEE Computer Society Press, December 15-18, 2006, pp.59-64.
376.	Raja K B, Vikas, Venugopal K R, and L M Patnaik, "High Capacity Loseless Secure Image Stenography Using Wavelets", Proceedings 14th International Conference on Advanced Computing and Communications (ADCOMP 2006), NITK, Karnataka, IEEE Computer Society Press, Surathkal, December 20-23, 2006, pp.230-235.
377.	T Shiva Prakash, G S Badrinath, Venugopal K R, L M Patnaik, "Efficient Energy Aware Topology Management in Ad-hoc Wireless Networks", International Conference on Distributed Computing and Networking, 8 th ICDCN, IIT, LNCS, pp. 203-215, Springer Verlag, Guwathi, India, December 2006.
378.	Sujatha D N, Rajesh K V, Girish K, Venugopal K R, and L M Patnaik, "Preemption Based Buffer Allocation in Video-on-Demand System", Proceedings 14th International Conference on Advanced Computing and Communications (ADCOM 2006), NITK, Karnataka, IEEE Computer Society Press, Surathkal, December 20-23, 2006, pp.523-528.

379.	Suraiya Tarannum, Aravinda B, L Nalini, Venugopal K R, L M Patnaik, "Routing Protocol for Lifetime Maximization of Wireless Sensor Networks", In IEEE Proceedings of 14 th International Conference on Advanced Computing, IEEE Computer Society Press, Suratkal, India, pp. 401-406, December 2006.
380.	D N Sujatha, Rajesh K V, Girish K, Venugopal K R, L M Patnaik "A Hybrid Approach for Providing Quality-of-Service in Video-on-Demand System" In Proceedings of Fourth IASTED International Conference on Communication Internet and Information Technology (CIIT), pp. 19-24, Virgin Islands USA, December 2006.
381.	Suraiya Taranaum, Aravinda B, L Nalini, K R venugopal , L M Patnaik, "Network Life Maximization of Energy Constrained Wireless Sensor Networks", 14 International Conference on Advanced Computing, IEEE Computer Society Press, Suratkal, INDIA, December 2006.
382.	Vibha Lakshmikanth, Harsha, Pranav, Deepa Shenoy P, Venugopal K R, and L M Patnaik, "Statistical Classification of Mamograms using Random Forest Classi-fier", International Conference on Intelligent Sensing and Information Processing, IEEE Computer Society Press, Bangalore, December 15-18, 2006, pp.178-183.
383.	Vibha Lakshmikanth, Harsha, Pranav, Deepa Shenoy P, Venugopal K R, and L M Patnaik, "Statistical Features for Classification of Digital Mamograms", International Conference on Intelligence Sensing and Information Processing, IEEE Computer Society Press, Bangalore, December 15-18, 2006.
384.	Raja K B, Shankara N, Venugopal K R, and L M Patnaik, "Steganalysis of LSB Embedding in Images Using Variable Threshold Color Pair Analysis", IEEE International Conference on Intelligent Sensing and Information Processing, IEEE Computer Society Press, Bangalore, December 15-18, 2006, pp.11-16.
385.	Sujatha D N, Rajesh K V, Girish T, Venugopal K R, and L M Patnaik, "Preemption Based Buffer Allocation in Video-on-Demand Systems", International Conference on Information Technology, Thailand, December 2006.
386.	Shivaprakash T, Badrinath G S, Chandrakanth N, Venugopal K R, and L M Patnaik, "Energy Efficient Routing in Adhoc Networks", International Conference on Intelligent Sensing and Information Processing, IEEE Computer Society Press, Bangalore, December 15-18, 2006, pp.209-215.
387.	Vibha Lakshmikanth, Deepa Shenoy P, Venugopal K R, and L M Patnaik, "Efficient Classification Algorithms for Mammography Images", IEEE Preceedings of International Conference on Knowledge Engineering, IDEAS06, India, IEEE Computer Society Press, pp. 263-266, New Delhi, 2006.
388.	Srinivasa K G, Sharath S, Venugopal K R and L M Patnaik, "Indexing XML Documents using Self Adaptive Genetic Algorithms for Better Retrieval", Proc. of Eighth Asia Paci fic Web Conference (APweb 2005), LNCS, Springer Verlag January 16-18, 2006, Harbin, China, pp. 640-651.
389.	Srinivasa K G, Jagadish M, Venugopal K R, and L M Patnaik, "Non-repetitive DNA Sequence Compression using Memoization", Seventh International Symposium on Biological and Medical Data Analysis, LNCS, December 7-8, 2006, Thessaloniki, Greece.
390.	Srinivasa K G, Venugopal K R, and L M Patnaik, "XML Document Categorization using Support Vector Machines", International Conference on ICNS'06-FSKD'06, Advances in Natural Computation and Data Mining, Xidian University, LNCS, China, pp.222-233, September 2006.
391.	Srinivasa K G, Jagadish M, Venugopal K R, and L M Patnaik, "Exploring Structurally Similar Protein Sequence Motifs using Relative Distance Measures", IEEE Proceedings of Fourth Intenational Conference on Intelligent Sensing and Information Processing, IEEE Computer Society Press, Bangalore, India Dec 15-18, 2006.
392.	Srinivasa K G, Jagadish M, Venugopal K R, and L M Patnaik, "Efficient Compression of Non-Repetitive DNA Sequences using Dynamic Programming", Proceedings 14th International Conference on Advanced Computing and Communications (ADCOM 2006), NITK, Karnataka, IEEE Computer Society Press, Suratkal, December 20-23, 2006, pp.569-574.
393.	Srinivasa K G, Srinivas Kumar M, Vinay T C, Venugopal K R, and L M Patnaik, "External Software Feed for Personalizing Google Search Results", International Conference on Web Engineering, McMillan Publishers, Bhuvanewar, Orissa, pp.339-350, December 23-24, 2006.

394.	Vibha L, Harshavardhan G. M., Pranaw K., P. Deepa Shenoy, Venugopal K. R. and L M Patnaik, "Statistical Classification of Mammograms Using Random Forest Classifier", In IEEE Proceedings of the Fourth International Conference on Intelligent Sensing and Information Processing (ICISIP), pp. 178-183, Bangalore, 15-18 December 2006.
395.	Shivaprakash T, Badrinath G S, Venugopal K R and L M Patnaik, "Energy Aware Topology Control in AD Hoc Wireless Networks", Eighth International Conference on Distributed Computing and Networking, ICDCN 2006, Indian Institute of Technology, Guwahati, 27-30, December 2006.
396.	Vibha L, Harshavardhan G M, Pranaw K, P Deepa Shenoy, Venugopal K R, L M Patnaik, "Classification of Mammograms using Decision Trees", In IEEE Proceedings of Tenth International Database Engineering Application Symposium (IDEAS), India, IEEE Computer Society Press, pp. 263-266, NewDelhi, 11-14 th December, 2006.
397.	Srinivasa K G, Venugopal K R and L M Patnaik, "Sematic Search over Bio XML Data using Genetic Algorithms", International Conference on Computational Intelligence and Security, China, November 2006.
398.	Srinivasa K G, Srinivas Kumar M, Venugopal K R and L M Patnaik, "Personalizing Google's Search Results Using Naïve Bayesian Probabilistic Model", International Conference on Neural Applications and Associative Memories, Mexico, November 2006.
399.	T Shiva Prakash, G S Badrinath, Venugopal K R, L M Patnaik, "Energy Aware Topology Management in Ad-hoc Wireless Networks", In IEEE Proceedings of International Conference on Systems and Networks Communication, IEEE Computer Society Press Tahiti, French Polynesia, pp. 1-12, November, 2006.
400.	Srinivasa K G, Jagadish M, Venugopal K R and L M Patnaik, "Non-repetitive DNA Sequence Compression Using Memorization", International Symposium on Biological Data Analysis and Bio Informatics, Greece, LNCS, December 2006.
401.	Srinivasa K G, Jagirdar S, Venugopal K R and L M Patnaik, "A Semantic Approach for Mining Biological XML Databases", Computational intelligence and Security vol. 1, pp. 789-792, November, China, 2006
402.	Anil Nandi, L M Patnaik, and R M, Banakar, "VLSI Implementation of Spatial Prediction Based Image Compression Scheme", International Conference on Industrial and Information Systems, (ICIIS 2006), University of Peradeniya, 8-11, August 2006.
403.	Hasan Raza Naqvi and L M Patnaik, "A Distributed Channel Access Protocol for Ad-hoc Networks with Feedback Power Control", IEEE Transactions on Mobile Computing, Vol.5, No. 10, Oct 2006, pp. 1448-1459.
404.	Sudip Misra, K Chandra Sekaran, Venugopal K R, L M Patnaik, Mohammad S Obaidat, Isaac Woungang (Editors), Proceedings of 2006 International Symposium on Ad Hoc and Ubiquitous Computing, Dec 20-23, 2006 Surathkal.
405.	T Shiva Prakash, G S Badrinath, Chandrakanth N, Venugopal K R, L M Patnaik, "Energy Efficient Routing AdHoc Networks", In IEEE Proceedings of International Conference on Intelligent Sensing and Information Processing, IEEE Computer Society Press, pp. 209-216, Bangalore, 15-18 th December 2006.
406.	Siva Kumar G, Chandra Sekaran k, Venugopal K R, L M Patnaik, Kishor S Trivedi (Editors), Proceedings 14th International Conference on Advanced Computing and Communications, December 20-23, 2006 Surathkal.
407.	P Deepa Shenoy, Srinivasa K G, Venugopal K R and L M Patnaik, "Soft Computing Approach for Mining Top-k Ranked webpages from WWW", International Transactions on Computer Science and Engineering, vol.3, no.1, pp.185-196, April 2005.
408.	P Deepa Shenoy, Srinivasa K G, Venugopal K R and L M Patnaik, "Dynamic Mining of Frequent Web Access Patterns to Reorganize the Web Structure," International Transactions on Computer Science and Engineering, GESTS Press, Vol.8, No.1, May 2005, pp. 168-179.

409.	P Deepa Shenoy, Srinivasa K G, Venugopal K R and L M Patnaik, "Dynamic Subspace Clustering Algorithm for High Dimensional Applications", International Transactions on Computer Science and Engineering, Vol.13,No.1, June 2005, pp.125-136.
410.	Srinivasa K G, P Deepa Shenoy, Venugopal K R, and L M Patnaik, "Adaptive Genetic Algorithms for Optimization and Robotics", Proc. of the International Summit on Agility, Design and Manufacturing 2005, Bangalore, 10-13, December 2005.
411.	Prashanth J, Srinivasa K G, P Deepa Shenoy, Venugopal K R and L M Patnaik, "Data Mining in Agile Manufacturing Systems", The Proc. of International Summit on Agility, Design and Manufacturing 2005, Bangalore, 10-13, December 2005.
412.	L M Patnaik, "The Brain, Complex Networks and Beyond", the Proc.of the International Workshop on Distributed Computing, IWDC, December 27-30, 2005, IIT Kharagpur.pp.111-116
413.	Srinivasa K G, Sharath S, P Deepa Shenoy, Venugopal K R and L M Patnaik, "A Soft Computing Approach for Selective Dissemination of XML Documents", Proceedings of Second World Congress on Lateral Computing, WCLC 2005, ISSN 0973-208X, Bangalore, India, December 16-18, 2005.
414.	Srinivasa K G, P Deepa Shenoy, Venugopal K R and L M Patnaik, "A Hybrid System for Web Search Personalization using Query Refinement, Recommender Systems and user Profiles", Proceedings of 13th International Conference on Advanced Computing (ADCOM - 2005), pp.199-205, Coimbatore, Allied Publishers, December, 2005.
415.	T Shivaprakash, C Aravinda, A P Deepak, S Kamal, H L Mahentesh, K R Venugopal, L M Patnaik, "An Efficient Passive Clustering Algorithm to Reduce Gateways in MANET", International Workshop on Distributed Computing (IWDC), LNCS, Springer Verlag, IIT Kharagpur, INDIA 2005.
416.	T Shiva Prakash, C Aravinda, A P Deepak, S Kamal, H L Mahentesh, Venugopal K R, L M Patnaik, "Efficient Passive Clustering and Gateways selection MANETs", In Proceeding of International Workshop on Distributed Computing (IWDC), LNCS-3741, pp. 548-553, Springer Verlag, IIT Kharagpur, India 2005.
417.	K B Raja, Venugopal K R and L M Patnaik, "A Secure Steganography using LSB, DCT and Compression Techniques on Raw Images", IEEE Proceedings of International Conference of Intelligence Sensing and Information processing, IEEE Computer Society Press, Bangalore, pp. 171-176, December, 2005.
418.	Srinivasa K G, Sharathsrinivas, Venugopal K R and L M Patnaik, "A Framework for Topic Categorization of XML Documents using Support Vector Machines", Proc. of the Conference on Asian Applied Computing Conference, Dec 2005, Kathmandu, Imperial College Press, London.
419.	D N Sujatha, Rajesh K V, Girish K, Venugopal K R, L M Patnaik "Efficient Channel Allocation based on Priority of Video in VoD Systems" In Proceedings of Third International Conference on Asian Applied Computing Conference, AACC, Nepal, Imperial College Press, UK, pp.233-237, 2005.
420.	Raju G T, Sathyanarayana P S, and L M Patnaik, "Knowledge Discovery From Web Usage Data Survey", Proc. of the Conference on Asian Applied Computing Conference, December 2005, Kathmandu.
421.	Srinivasa K G, Achint O Thomas, Amrinder Gill, Venugopal K R and L M Patnaik, "Generic Feature Extractions for Classification using Fuzzy c- Means Clustering", IEEE Proceedings of Third International Conference on Intelligent Sensing and Information Processing, Bangalore, India, December 14-17, 2005, pp.33-38.
422.	K B Raja, C R Chowdary, Venugopal K R, L M Patnaik, "A Secure Steganography using LSB, DCT and Compression Techniques on Raw Images", In IEEE Proceedings of Third International Conference Intelligence Sensing and Information processing, Bangalore, pp.170-176, pp. 14-17th December, 2005.
423.	Srinivasa K G, Sharath S, Venugopal K R and L M Patnaik, Selective Dissemination of XML Documents based on a Genetically Learned User Model and SVM", Proc. of World Congress of Lateral Computing, WCLC 2005, Bangalore, India, December 16 018, 2005.

424.	Srinivasa K G, Sharath S, Venugopal K R and L M Patnaik, "Selective Dissemination of XML Documents based on a Genetically Learned User Model and SVM", 2005 International Conference on Computational Intelligence and Security (CIS'05), LNAI, Springer Verlag, Xian, China, pp.564-569, December, 2005.
425.	Srinivasa K G, P Deepa Shenoy, Venugopal K R and L M Patnaik, "A Hybrid System for Web Search Personalization using Query Refinement, Recommender Systems and User Profiles", Proceedings of 13th International Conference on Advanced Computing (ADCOM - 2005), pp. 199-205, Coimbatore, Allied Publishers, December, 2005.
426.	Srinivasa K G, Sharath S, Venugopal K R and L M Patnaik, "GaXsearch: An XML Information Retrieval Mechanism Using Genetic Algorithms", Proc. of 18th Australian Joint Conference on Artificial Intelligence, LNAI, Springer Verlag, Sydney, Australia, December 5-9 2005, pp. 435-444.
427.	Srinivasa K G, Venugopal K R and L M Patnaik, "An Efficient Fuzzy based Neuro-Genetic Algorithm for Stock Market Prediction", Proceedings of Second Indian International Conference on Artificial Intelligence, ISBN 0-9727412-1-6, Pune, India, December 20-22, 2005, pp. 2256-2274.
428.	Srinivasa K G, Venugopal K R and L M Patnaik, "Self Adaptive Migration Model Genetic Algorithms for Data Mining Applications", Second Indian International Conference on Artificial Intelligence, ISBN, 0-972742-1-6, Pune, India, December 20-22, 2005, pp. 3303-3322.
429.	Srinivasa K G, Sharath S, Venugopal K R and L M Patnaik, "A Framework for Topic Categorization of XML Documents using Support Vector Machines", In Proceedings of Third International Conference on Asian Applied Computing Conference, AACC 2005, Nepal, Imperial College Press, UK, December 2005.
430.	T ShivaPrakash, C Aravinda, A P Deepak, S Kamal, H L Mahantesh, K R Venugopal and L M Patnaik, "Mobility Management and Efficient Gateway Selection for Passive Clustering in MANETs", International Workshop on Distributed Computing (IWDC), Kharagpur, December 2005. pp. 548-553.
431.	Srinivasa K G, Amrinder Gill, A O Thomas, Venugopal K R and L M Patnaik, "Generic Feature Extraction for Classification using Fuzzy - Means Clustering", IEEE Proceedings of Third International Conference on Intelligent Sensing and Information Processing, IEEE Computer Society Press, pp.33-38, Bangalore, India, December, 2005.
432.	Srinivasa K G, Karthik Sridharan, Venugopal K R, P Deepa Shenoy and L M Patnaik, "A Dynamic Migration Model for Self Adaptive Genetic Algorithms", Proc. of Sixth International Conference on Intelligent Data Engineering and Automated Learning, IDEAL 2005, Springer Verlag, LNCS 3578, July 6-9 2005, Brisbane, Australia, pp. 555-562.
433.	M Palaniswami, L M Patnaik, Venugopal K R, Rajeev Khosla, Rajgopal Kannan (Editors), Proceedings of the International Conference on Intelligent Sensing and Information Processing, Dec 14-17, 2005 Bangalore.
434.	L.M. Patnaik, Asoke k. Talukder, Deepak Bhattarai, Hirendra Man Pradhan, Sudan Jha, Sitharama Iyengar (Editors), Innovative Applications of InformationTechnology for the Developing World, Proceedings of the 3rd Asian Conference on Applied Computing, Dec 10-12, 2005, Kathmandu, Nepal.
435.	B K S V L Varaprasad, L M Patnaik, H S Jamadagni, V K Agrawal, A New ATPG Technique (MultiDetect) for Testing of Analog Macros in Mixed-Signal Circuits, IEEE Transactions on CAD, Vol 23, No. 2, Feb 2004, pp. 273-287.
436.	Hemanth Thayyullathil, Rajesh Langoju, Renganathan Padmaram, R. Mohan Vasu, Rajan Kanjirojan, and Lalit M Patnaik, A Review of Three Dimensional Optical Tomographic Imaging of Supersonic Jets through Inversion of Phase Data obtained through Transport of Intensity of Equation, Applied Optics (Optical Technology and Biomedical Optics.) Vol. 43, No. 21 Jul 2004, pp. 4133-4141.
437.	Abhishek Prakash Tayal and L M Patnaik, Address Assignment for Automatic Configuration of Mobile Ad Hoc Networks, Personal and Ubiquitous Computing, Personal Ubiquitous Computing, 2004, Vol 8, pp 47-54.
438.	P Deepa Shenoy, Srinivasa K G, Venugopal K R and L M Patnaik, "An Efficient Hash Based Algorithm for Web Access Mining and Reorganization of Web Structure", Proc. of the International Conference on ADCOM 2004, 12th International Conference on Advanced Computing and Communications, Ahmedabad, 15-18 Dec, 2004, pp. 125-133.

439.	Deepa Shenoy, Srinivasa K G, Venugopal K R and L M Patnaik, "A Dynamic Hash based Algorithm to Discover Frequent Web Access Patterns and to Recognize the Web Structure", ADCOM-2004, Ahmedabad, December 2004.
440.	Srinivasa K G, Karthik Sridharan, P Deepa Shenoy, Venugopal K R, and L M Patnaik, "An Effective Content Based Image Retrieval System using STI Features and Relevance Feedback", KBCS-2004, Fifth International Conference on Knowledge Based Computer Systems, Hyderabad, India, December 19-22, 2004 pp. 290-301.
441.	P Deepa Shenoy, Srinivasa K G, A O Thomas, Venugopal K R, and L M Patnaik, "Mining Top k Ranked Webpages using Simulated Annealing and Genetic Algorithms", Second International Conference on Information Technology, Asian Applied Computing Conference (AACC) 2004, LNCS 3285-Springer Verlag, Kathmandu, Nepal, October 29-31, 2004, pp.137-144.
442.	R Pitchiah, L M Patnaik, S K Sinha, David Selva Kumar and P K Sinha, "An Implementation of Systems-level Dependable Architecture for Industrial Embedded Computing Systems", Tenth IEEE Pacific Rim International symposium on Dependable Computing (PRDC10), 3 March 2004.
443.	Srinivasa K G, Karthik Sridharan, P Deepa Shenoy, Venugopal K R and L M Patnaik, "EASOM: An Efficient Soft Computing Method for Predicting the Share Values", IASTED, International Conference on Artificial Intelligence and Applications (AIA 2004), ISSN: 1027-2666, Innsburg, Austria, February 16-18, 2004, pp.264-269.
444.	P Deepa Shenoy, Srinivasa K G, Venugopal K R and L M Patnaik, "Compress and Mine: An Efficient Graph Based Algorithm for Mining Multiple Level Frequent Itemsets", The Proc. of Eleventh International Conference on Advanced Computing (ADCOM-2003), December 2003, Coimbatore, India.
445.	Partha Pratim Mondal, K Rajan and L M Patnaik, "Hybrid Reconstruction in Bayesian Domain", IEEE TENCON, IEEE Region 10 Technical Conference on Convergent Technologies for Asia-Pacific, Bangalore, October 14-17, 2003, pp 1424-1428.
446.	Partha Pratim Mondal, K Rajan and L M Patnaik, "Adaptively Altering Hyper-Parameter for Improved Reconstruction in PET", IEEE MIC-NSS-RTSD 2003 Nuclear Science Symposium and Medical Imaging Conference, Portland, Oregon, Oct 19-25, 2003.
447.	K Rajan, P P Mondal and L M Patnaik, Bayesian-based PET Image Reconstruction on Extended Hypercube, ADCOM 2003.
448.	L M Patnaik, Power Control Mechanisms in Mobile Ad-Hoc Networks, Invited talk at the International Conference on Communication and Broadband Networking, Bangalore, India, May 5-7, 2003.
449.	V Rama Raju, L M Patnaik, R Borgohain, and S Mohandas, "An Advanced Real Time Multi-Channel Computerised On-Line Automated Electromyographic (ARTEMG) Guidance System-Part I: High Quality Recording of Bioelectrical Events-Design and Development Techniques", ITPC 2003, Kathmandu, Nepal, May 23-26, 2003.
450.	P Deepa Shenoy, Srinivasa K G, Venugopal K R and L M Patnaik, "HashMine: An Efficient Web Log Mining Algorithm to Discover Frequent Access Patterns", In Proceedings of the International Conference on Information Technology Prospects and Challenges in the 21 st Century (ITPC - 2003), Kathmandu, Nepal, vol. 1, pp. 160 – 167, May 2003
451.	K R Venugopal, P Sreenivasa Kumar, and L M Patnaik, Routing and Wavelength Assignment in WDM Wavelength Convertible All-Optical Networks, International Conference on Communication and Broadband Networking, Bangalore, May 5-7, 2003.
452.	P Deepa Shenoy, Srinivasa K G, Mithun M P, Venugopal K R, and L M Patnaik, "Dynamic Subspace Clustering for Very Large High-Dimensional Databases", Proc. of International Conference on Intelligent Data Engineering and Automated Learning (IDEAL) 2003, Springer LNCS 2960, Hong Kong, China, March 2003, pp.850-854.
453.	P Deepa Shenoy, Srinivasa K G, Venugopal K R and L M Patnaik, "Evolutionary Approach for Mining Association Rules on Dynamic Databases", In Proceedings of 7 th Pacific – Asia Conference, PAKDD 2003, Seoul, Korea, Springer LNAI 2637, pp. 325 – 336, Advances in Knowledge Discovery and Data Mining, May 2003.

454.	Jay Bagga, Suresh Manandhar, L M Patnaik, Bikram Ratha, Bhabani Prasad Sinha (Editors), Prospects and Challenges in the 21st Century (ITPC 2003), Proc. of The International Conference on Information Technology, May 23-26, 2003.
455.	L M Patnaik, Praveen Kumar R Ramteke, Harsha Somanath Chatriki, and Na-garaj Inamati, Signal Processing Algorithms for Brain Image Classification, Indian Institute of Science, April 2003.
456.	L M Patnaik, H S Jamadagni, V K Agrawal and B K S V L Varaprasad, The State of VLSI Testing, IEEE Potentials, Vol 21, No. 3, Aug/Sept 2002, pp. 12-16.
457.	L M Patnaik, Specification and Verification: Trends and Challenges (Keynote Address) 37th National Convention 2002 Computer Society of India, Bangalore, Oct 29-31, 2002, pp 74-75.
458.	L M Patnaik, and Anand Suverkar, "Multipath Routing to provide Quality of Service", Fourth International Workshop on Distributed Computing, Kolkatta, December 28-31, 2002, pp 154-163.
459.	T Hemanth, K Rajan, L M Patnaik, "Fast Cone Beam Reconstruction using Parallel Algorithms", Proceedings of HPC Asia 2002, Bangalore, December 17-20, 2002, Vol 1, pp 351-355.
460.	N Mohan Ram, Lawrence Jenkins, L M Patnaik, S C Purohit, and R K Arora," An Analysis of the KSHIPRA Communication Substrate for the PARAM Clusters", Proceedings of HPC Asia 2002, Bangalore, December 17-20, 2002, Vol 2, pp 414-418.
461.	P Deepa Shenoy, M Srividya, K Kavitha, Venugopal K R, L M Patnaik, "Incremental Mining of Association Rules using Genetic Algorithms," Proceedings of 6th International Conference on High Performance Computing (Asia), pp. 549-550, Bangalore, India, December, 2002.
462.	Vishwanath P Baligar, L M Patnaik, and G R Nagabhushana, "High-Performance Wavelet-Based Image Compression on an IBM SP System", Proceedings of HPC Asia 2002, Bangalore, December 17-20, 2002, Vol 2, pp 563-564.
463.	P Deepa Shenoy, Srinivasa K G, Venugopal K R and L M Patnaik, "NetMiner: A Distributed Algorithm for Mining Association Rules using Genetic Algorithms", Proceedings of International Conference on Agile Manufacturing for Cleaner Products and Sustainability – Internet Solutions, pp. 173 – 181, Bangalore, December 2002.
464.	L M Patnaik, Pramod S Kumar and Madhusudan D S, "WIRES: Wavelet-based Image RETrieval System", Proceedings of the National Conference on Medical Informatics, Kalavakkam, Chennai, June 2002, pp.B9-B17 (Keynote Address).
465.	C R Chakravarthy, L M Patnaik, T Sabapathy, M L Ravi (Editors), Harnessing and Managing Knowledge Bangalore, 37th National Convention 2002 of Computer Society of India, Oct 29-31, 2002.
466.	T Hemanth, K Rajan and L M Patnaik, "Cone-Beam Reconstruction using a Geometric Method and Gaussian Correction", International Conference on Biomedical Engineering, Bangalore, December 22-24, 2001.
467.	R Venkatraman and L M Patnaik, An Evolutionary Approach to timing Driven FPGA Placement, Proceedings of GLSVLSI 2000, March 2-4, 2000, Chicago, USA.
468.	K Rajan and L M Patnaik, Implementation of CBP and ART Image Reconstruction on Media and DSP Processors, Proceedings of the Seventh Conference on Advanced Computing (ADCOM 99), December 20-22, 1999, Roorkee, India, pp.18- 22.
469.	K. Rajan and L M Patnaik, Parallel Implementation of Tomographic Reconstruction Algorithms on Bus-Based Extended Hypercube, 1999 International Conference on High Performance Computing(Hipc'99), 17-20 Dec 1999, Calcutta.
470.	C R Suthikshn Kumar, M Palani Swami, and L M Patnaik, FPGA Emulation of Binary Self-Organising Maps, International Joint Conference on Neural Networks (IJCNN'99), 10 - 16 July 1999, Washington D C, USA.
471.	K R Venugopal, M ShivaKumar, P Sreenivasa Kumar, "A heuristic for Placement of Limited Range Wavelength Converters in All-Optical Networks", Proceedings of IEEE INFOCOM 1999, pp. 908-915, New York, USA, IEEE Computer Society Press, 21-25th March, 1999.

472.	Satrajit Gupta, and L M Patnaik, Exact Output Response Computation of RC Interconnects under Polynomial Input Waveforms, 12th International Conference on VLSI Design, 7-10 January, 1999, Goa, pp.160 - 163.
473.	K Rajan, L M Patnaik, and J Ramakrishna, Hierarchical Cube Connected Cluster System for Tomographic Image Reconstruction, HPC ASIA'98 Conference, 22 – 25 September, 1998, Singapore, Vol.1, pp.91-101.
474.	K R Venugopal, M ShivaKumar, P Sreenivasa Kumar, “Placement of Limited Range Wavelength Converters in Wavelength Routed Optical Networks”, Proceedings of 6th International Conference on Advanced Computing, TMH, pp. 113-120, December, 1998.
475.	K R Venugopal, E Ezhil Rajan, P Sreenivasa Kumar, “Performance Analysis of Wavelength Converters in WDM Wavelength Routed Optical Networks”, Proceedings of 5th IEEE International Conference on High Performance Computing, IEEE Computer Society Press, pp. 239-246, 17-20th December, 1998.
476.	K R Venugopal, A Achutharam, P Sreenivasa Kumar, “An Adaptive Algorithm to Reduce Wavelength Conversion and Congestion in All-Optical Networks”, Proceedings of 6th International Conference on Advanced Computing, TMH, pp. 386-393, December 1998.
477.	L M Patnaik, Rupa N Rao, Saritha Reddy and S K Udgata, MPI-Based Parallel Implementations of an ART2-A Neural Network on an IBM SP2 System Theoretical Analysis and Experimental Evaluation, HPC ASIA'98 Conference 22 - 25 September, 1998, Singapore, Vol.1, pp.610-619.
478.	A.G.Venkataramana and L.M.Patnaik, Design and Performance Evaluation of a Systolic Architecture for Hidden Surface Removal, Computers and Graphics, Vol.12, No.1, 1988, pp.71-74.
479.	J.Mohan Kumar and L.M.Patnaik, Current Trends in Parallel Simulation Techniques, European Simulation Multi Conference ESM'88, Nice, France, June 1988, pp. 93-98.
480.	Mohan J Kumar, M Palaniswami and L M Patnaik, Implementation of Artificial Neural Networks on Distributed Computing Environments, Second IEEE International Conference on Intelligent Processing Systems, Gold Coast, Australia, August 4-7, 1998, pp. 535-538.
481.	K R Venugopal, P Sreenivasa Kumar, “Design Issues in WDM Wavelength Routed Optical Networks”, Proceedings of 5th International Conference on Advanced Computing, TMH, pp. 512-525, December, 1997.
482.	L.M.Patnaik, A.K.Ramakrishna, and R Muralidharan, Distributed Algorithms For Mobile Hosts, IEEE Proceedings Computer and Digital Techniques, Vol. 144, No.2, March 1997, pp.49-56.
483.	Rajeev Jayaram, Srilata Raman, R V Raj and L M Patnaik, Petri Net-Based Modeling of a Class of Complex Digital Systems, Computers and Electrical Engineering, Vol 23, Number 1, January 1997, pp.41 -53.
484.	K Rajan, L M Patnaik and J Ramakrishna, High-Speed Parallel Implementation of Modified PBR Algorithm on DSP-based EH Topology, IEEE Transactions on Nuclear Science, Vol. 44, No.4, August 1997, pp.1658-1672.
485.	K. Rajan, L.M.Patnaik and J. Ramakrishna, High-Speed Image Reconstruction based on CDP and Fourier Inversion Methods, HPC ASIA'97 Conference, 28 April-2 May 1997, Seoul, Korea, pp.401-406.
486.	R V Raj, P.S.Nagendra Rao, N S Murthy and L M Patnaik, Effective Heuristics for Timing Driven Constructive Placement, The Tenth International Conference on VLSI Design, 4-7 January, 1997, Hyderabad, pp.38-43.
487.	J.K.Kishore, V.Mani, L.M.Patnaik, V.K.Agarwal, Genetic Programming based Multicategory Pattern Classification, Third International Workshop on Artificial Intelligence Techniques, September 9-11, 1996, Brno.

488.	L.M.Patnaik, K. Rajan, K. Praveen, M. Ravikumar and Rupa N Rao, FPGA-Based Neural Chip Prototype for Adaptive Resonance Theory Paradigm, IASTED International Conference on Modelling, Simulation, and Optimization, Gold Coast, Australia, May 1996.
489.	L.M.Patnaik, Hema Nair, Varghese Abraham, Raghavendra G., Shishir Kumar Singh, Rajan Srinivasan, K.Ramchand, Performance Evaluation of Neural Network Algorithms for Multisensor Data Fusion in an Airborne Track While Scan Radar, 1996 IEEE International Conference on Neural Networks, June 3-6, 1996, Washington, D.C., USA, pp.223-228.
490.	S.Sundaram and L.M.Patnaik, Distributed Logic Simulation: Time-First Evaluation Vs Event Driven Algorithms, The Ninth International Conference on VLSI Design, January 3-6, 1996, Bangalore, India, pp.307-310.
491.	A.K.Majhi, J.Jacob, L.M.Patnaik, V.D.Agrawal, On Test Coverage of Path-Delay Faults, the Ninth International Conference on VLSI Design, January 3-6, 1996, Bangalore, India, pp.418-421.
492.	B.B.Prahlada Rao, R.C.Hansdah and L.M.Patnaik, A Genetic Algorithm-Based VLSI Channel Router, The Ninth International Conference on VLSI Design, January 3-6, 1996, Bangalore, India
493.	L M Patnaik, K Rajan, S Sasi Kumar, Sudha Raju and A L Rao (Editors), INDIA: The Emerging Information Technology Giant, Proceedings of the 31st Annual Convention of the Computer Society of India, Tata McGraw-Hill Publishing Company Limited, 1996.
494.	L M Patnaik, High Performance Computing in India and the Far East, Trends in Parallel Processing, Emerging Technology Series, Prepared for UNIDO by Boleslaw K Szymanski, L M Patnaik and S W Song(Eds.), March 96, pp.33-57.
495.	K. Rajan, L.M. Patnaik and J.Ramakrishna, Linear Array Implementation of the EM Algorithm for PET Image Reconstruction, IEEE Transactions on Nuclear Science, Vol. 42, No. 4, August 1995,pp1439-1444.
496.	Rajkumar, K R Venugopal, N Mohanram, "PEACE Threads Interface on Microkernel", Proceedings of 3rd International Conference on Advanced Computing, TMH, pp. 333-340, December, 1995.
497.	K. Rajan, L.M.Patnaik, J.Ramakrishna, Parallel Fan-Beam Reconstruction Algorithm on EH, Proceedings of the Third Conference on Advanced Computing, 20-22 December, 1995, Bangalore, India, pp.285-291.
498.	S.Sundaram, L M Patnaik, Distributed Time-First Evaluation Algorithm for Synchronous Sequential Circuits, Proceedings of the Third Conference on Advanced Computing, 20-22 December, 1995, Bangalore, India, pp.95-102.
499.	Srilata Raman and L.M.Patnaik, Performance-Driven MCM Partitioning Through An Adaptive Genetic Algorithm, Proceedings of the ASIC 95 Conference, Sep 1995, Texas, Austin, pp 143-146.
500.	Akhil Sahai, L.M.Patnaik and J.Mohan Kumar, Mapping Backpropagation Neural Networks onto SPMD Architecture, Second Australasian Conference on Parallel and Real-Time Systems, Australia, September 28-29, 1995.
501.	K.Rajan, L.M.Patnaik, and J.Ramakrishna, Parallel Implementation of the PBR Algorithm for Cone Beam Reconstruction, International Conference on High Performance Computing, New Delhi, India, 27-30 December, 1995, pp.49-54.
502.	B.B.Prahlada Rao, L.M.Patnaik, and R.C.Hansdah, An Extended EP Algorithm for VLSI Channel Routing, Proceedings of Fourth Annual Conference on Evolutionary Programming (EP95), MIT Press, Cambridge, MA, USA, 1-3 March, 1995, pp.521-543.
503.	Ananta K. Majhi, James Jacob, L.M.Patnaik and Vishwani D. Agrawal, An Efficient Automatic Test Generation System for Path Delay Faults in Combinational Circuits, Proceedings of 8th International Conference on VLSI Design, New Delhi, India, January 4-7, 1995, pp.161-165.
504.	K. Rajan, L.M. Patnaik and J. Ramakrishna, High-Speed Computation of the EM Algorithm for PET Image Reconstruction, IEEE Transactions on Nuclear Science, Vol.41, No.5, October 1994, pp.1721-1728.
505.	M. Srinivas and L.M. Patnaik, Genetic Algorithms: A Survey, IEEE Computer, June 1994, pp. 17-26.

506.	M. Srinivas and L.M. Patnaik, Adaptive Probabilities of Crossover and Mutation in Genetic Algorithms, IEEE Transactions on Systems, Man, and Cybernetics, Vol. 24, No. 4, April 1994, pp.656-667.
507.	J. Mohan Kumar, L.M.Patnaik and Abhijit Das, Load Balancing Algorithms for an Extended Hypercube, Proceedings of IEE - Part E, Computers and Digital Techniques, Vol 14, No. 5, September 1994, pp. 298-306.
508.	B.B.Prahlada Rao, L.M.Patnaik, and R.C.Hansdah, A Genetic Algorithm for Channel Routing Using Inter-Cluster Mutation, Proceedings of the First IEEE Conference on Evolutionary Computation, IEEE World Congress on Computational Intelligence, Orlando, Florida, 27-29 June, 1994, pp.97-103.
509.	Viktor K.Prasanna, Vijay P.Bhatkar, L.M.Patnaik, and Satish K.Tripathi (Editors), Parallel Processing, Proceedings of the International Workshop on Parallel Processing, Tata McGraw-Hill Publishing Company Limited, 1994.
510.	V. Vijay Shankar, M. Srinivas and L.M.Patnaik, An Empirical Study of the Sensitivity of Multilayer Backpropagation Neural Networks, Proceedings of the IEEE, TENCON '94, Singapore, August 22-26, 1994.
511.	Barada S. Mishra, S. Balaji, L.M.Patnaik and C. Girault, Deterministic Timed Petri Net-Based Modelling of an Onboard Computing System, IASTED International Conference on Modelling and Simulation, Pittsburgh, USA, May 2-4, 1994.
512.	Tapan K. Behera, Barada S. Mishra, L.M.Patnaik, S. Balaji and C. Girault, Performance Modelling of Flexible Manufacturing Systems using Deterministic Timed Petri Nets, IASTED International Conference on Modelling and Simulation, Pittsburgh, USA, May 2-4, 1994, pp.362.
513.	B. Madhukar, K. Rajagopal and L.M. Patnaik, Parametric Technique for P Wave delineation, 1994 International Conference on Acoustics, Speech and Signal Processing, Adelaide, Australia, April 19-22, 1994, Vol.3, pp.229-232.
514.	B. Madhukar, K. Rajagopal and L.M. Patnaik, ECG Analysis using Parametric Techniques, Indo-US Workshop on Parallel and Distributed Signal and Image Integration Problems, Pune, December 16-18, 1993, pp 175-189.
515.	Rajeev Jayaram, Rajib Mall and L.M. Patnaik, A Timed Temporal Petri Net for Specification of Real-time Systems, Proceedings of the 1993 Pacific Rim International Symposium on Fault Tolerant Computing (PRFTS '93), Melbourne, Australia, December 16-17, 1993.
516.	Rajeev Jayaram, Rajib Mall, L.M. Patnaik and Claude Girault, A Formalism for Specifying Hard Real-Time Systems, Proceedings of the First National Conference on Real-Time Computing, Cochin, September 16-18, 1993.
517.	L.M. Patnaik, Simulation of Artificial Neural Networks on the Hierarchical Network of Hypercubes, Proceedings of the First New Zealand International Two Stream Conference on Artificial Neural Networks and Expert Systems ANNES-93, Dunedin, New Zealand, November 24-26, 1993.
518.	C.P. Ravikumar, R.K. Gandhi and L.M. Patnaik, Parallel Solution of TSP on a Boltzmann Machine using Divide and Conquer, Proceedings of the First Australia and New Zealand Conference on Intelligent Information Systems(ANZIIS-93), Perth, Western Australia, December 1-3, 1993, pp. 202-206.
519.	G. L. Subramanyam and L.M. Patnaik, Verification of Handwritten Signatures Using Adaptive Resonance Theory, Proceedings of the First Australia and New Zealand Conference on Intelligent Information Systems (ANZIIS-93), Perth, Western Australia, December 1-3, 1993, pp. 746-749.
520.	J. Mohan Kumar and L.M. Patnaik, High Performance I/O Processing on the Transputer-based Extended Hypercube, Proceedings of the Parallel Computers and Transputers(PCAT) '93 Conference, Brisbane, November 3-4, '93, pp. 243-250.

521.	Shajan Kadiran and L.M. Patnaik, Distortion-Invariant Object Recognition Using Adaptive Resonance Theory, Proceedings of the First New Zealand International Two-Stream Conference on Artificial Neural Networks and Expert Systems ANNES '93, Dunedin, New Zealand, November 24-26, 1993.
522.	Suresh S. Kalkunte and L.M. Patnaik, Testing Digital Circuits for Faults using Adaptive Resonance Theory, Proceedings of the International Conference on Neural Network Applications to Signal Processing, Singapore, August 17-20, 1993.
523.	M. Srinivas and L.M. Patnaik, A Simulation Based Test Generation Scheme using Genetic Algorithms, VLSI Design 1993, Bombay, India, 3-6 January, 1993, pp.132-135.
524.	S. Jaganathan, L.M. Patnaik, R. Madhavan, and A. Makur, Optimal Search for a Given Key (Error or Without Error), Advances in Modelling & Analysis, B, AMSE Press, Vol 28, No. 2, 1993, pp. 59-63.
525.	Shajan Kadiran, T.G. Venkatesh and L.M. Patnaik, Neural Network-Based Distortion Invariant Object Recognition, Proceedings of the International Conference on Neural Network Applications to Signal Processing, Singapore, August 17-20, 1993.
526.	B.K. Sumana, G.L. Subramanyam, Shajan Kadiran and L.M. Patnaik, Neural Network Implementation for Automation of Signature Recognition, Proceedings of the International Conference on Neural Network Applications to Signal Processing, Singapore, August 17-20, 1993.
527.	M. Srinivas and L.M. Patnaik, Binomially Distributed Populations for Modelling GAs, Proceedings of the Fifth International Conference on Genetic Algorithms, Illinois, USA, July 1993, pp. 138-145.
528.	S.M. Koriem and L.M. Patnaik, Composite Performance and Reliability Analysis for Hypercube Systems, Proceedings of the 1993 International Conference on Parallel Processing, Illinois, USA, Vol.27, pp.214, August 1993.
529.	B.B. Prahlada Rao, L.M. Patnaik, and R.C. Hansdah, Parallel Genetic Algorithm for Channel Routing, Proceedings of the Third Great Lakes Symposium on VLSI, Kalamazoo, Michigan, USA, March 1993, pp.69-70.
530.	R. N. Madan, N. S. V. Rao, V. P. Bhatkar and L. M. Patnaik (Editors.), "Parallel and Distributed Signal and Image Integration Problems", Proceedings of the Indo-US Workshop on Parallel and Distributed Image Integration Problems, December 16-18, 1993, Pune, India, World Scientific Publishing Company Pte. Limited, 1993.
531.	J. Mohan Kumar and L.M. Patnaik, Extended Hypercube: A Hierarchical Inter-connection Network of Hypercubes, IEEE Transactions on Parallel and Distributed Systems, Vol.3, No.1, Jan.1992, pp.45-57.
532.	S.S. Kalkunte, J.M. Kumar, and L.M. Patnaik, A Neural Network Approach for High Resolution Fault Diagnosis in Digital Circuits, Intl. Joint Conf. on Neural Networks Beijing, China, Nov. 3-6, 1992.
533.	T.J. Brunda, J.M. Kumar, and L.M. Patnaik, Robotic Path Control using back propagation Network on a Transputer System, Intl. Joint Conf. on Neural Networks Beijing, China, Nov. 3-6, 1992.
534.	B. Madhukar, L.M. Patnaik, and I.S.N. Murthy, Improved Parametric Models and DPCM Techniques for ECG Data Compression, Fourteenth Annual IEEE-EMBS Conference, Paris, France, 29 Oct. - 1 Nov., 1992, pp. 612-613.
535.	S.M. Koriem and L.M. Patnaik, Performance Evaluation of Hypercubes, IEICE Spring Conference, Tokyo, Japan, 1992.
536.	S.Sundaram and L.M.Patnaik, Logic Simulation Algorithm on Network of Transputers, 4th Transputer/Occam International Conference, Osaka, Japan, June 4-5, 1992, pp. 219-230.
537.	S.M. Koriem and L.M. Patnaik, Performability Studies of Hypercube Architectures, Proceedings of the Sixth International Parallel Processing Symposium (IPPS'92), California, U.S.A., March 1992, pp. 488-495.
538.	L.M.Patnaik and J.Mohan Kumar, Hierarchical Network of Hypercubes with Folded Connections, IPPS '92 Parallel Systems Fair, Sixth International Parallel Processing Symposium (IPPS '92), California, U.S.A., March 1992.

539.	S.Sundaram and L.M.Patnaik, T-Algorithm-Based Logic Simulation on Distributed Systems, Proceedings of the Second Great Lake Symposium on VLSI, Kalamazoo, Michigan, February 28-29, 1992, pp.191-195.
540.	L.M. Patnaik and R. Mall, Specification and Verification of Real Time System, Invited talk at the Seminar on Real Time Systems, Bangalore, January 10-11, 1992.
541.	R. Mall and L.M. Patnaik, A Force Directed Hill-Climbing Placement Algorithm, Proceedings of the VLSI Design '92, pp.251-254.
542.	L.M.Patnaik and Chandan Haldar, Symbolic Algebraic Computation for Geometric Modelling, Proceedings of the INDO-US Workshop on CAD, CAM and Robotics, New Delhi, December 17-19, 1991.
543.	T.G.Venkatesh and L.M.Patnaik, Associative Memory Design: Fokker Planck Formalism, Proceedings of the International Joint Conference on Neural Networks, 18-21 November 1991, Singapore, Vol.3, pp.2271-2276.
544.	J.Mohan Kumar and L.M.Patnaik, Efficient Implementation of Bidirectional Associative Memories on the Extended Hypercube, Proceedings of the International Joint Conference on Neural Networks, 18-21 November 1991, Singapore, Vol.3, pp.2253-2258.
545.	M.Srinivas and L.M.Patnaik, Learning Neural Network Weights Using Genetic Algorithms - Improving Performance by Search-Space Reduction, Proceedings of the International Joint Conference on Neural Networks, 18-21 November 1991, Singapore, Vol.3, pp.2331-2336.
546.	Indu Mahadevan and L.M.Patnaik, Transputer-based Parallel Systems for Performance Evaluation of Bidirectional Associative Memory, Proceedings of the International Joint Conference on Neural Networks, 18-21 November 1991, Vol.3, pp.2478-2483.
547.	L.M.Patnaik and T.G.Venkatesh, Trends in AI Architectures, Invited paper at the Seventh National Convention on "KNOWLEDGE COMPUTING", Institution of Engineers (India) Computer Engineering Division, Oct. 5-7, 1991, Pune, pp.13-19.
548.	R.Mall and L.M.Patnaik, A Specification Environment for Distributed Real-Time Systems, Proceedings of the International Conference on Software Engineering, CONSEG'91, Bangalore, Oct.1991, pp. 85-92.
549.	R.Mall and L.M.Patnaik, A New Approach to Specify Real-Time Behavior of Distributed Systems, Proceedings of the Pacific RIM International Symposium on Fault-Tolerant Systems, Sept. 26-27, 1991, Kawasaki, Japan, pp. 194-198.
550.	T.G.Venkatesh and L.M.Patnaik, Unlearning in Feed-Forward Neural Networks, Proceedings of the IEEE TENCON '91 Conference, 28-30 Aug. 1991, New Delhi, India, pp 165-167.
551.	S.Sundaram, T.S.Mohan and L.M.Patnaik, An Algorithm for Discrete Event Logic Simulation on Distributed Systems, Proceedings of the IEEE TENCON '91 Conference, Aug. 1991, New Delhi, India, Vol. 3, pp.185-189.
552.	R.Mall and L.M.Patnaik, A Temporal Logic Over Partial Orders for Analysis of Real-Time Properties of Distributed Programs, Proceedings of the IEEE TENCON '91 Conference, Aug. 1991, New Delhi, India, Vol.2, pp. 335-339.
553.	L.M.Patnaik, Current Trends in Computer Hardware and Architecture, Invited talk at the TELDA Seminar, Computer Maintenance Corporation, Hyderabad, May 1-4, 1991.
554.	J.Mohan Kumar and L.M.Patnaik, Fault-Tolerant Message Routing and Error Detection Schemes for the Extended Hypercube, Proceedings of the 1991 International Conference on Parallel Processing.
555.	A.Basu, S.Srinivas, K.G.Kumar, A.Paulraj and L.M.Patnaik, Performance Analysis of Algorithms on a Message Passing Multiprocessor, Proceedings of the Fifth IEEE International Parallel Processing Symposium, April 30 - May 2, 1991, Anaheim, California, USA, pp. 43-50.

556.	S.Srinivas, A.Basu, A.Paulraj and L.M.Patnaik, A Parallel Algorithm for Logic Simulation on Transputer Networks, Proceedings of the First Great Lake Symposium on VLSI (IEEE), Kalamazoo, Michigan, March 1-2, 1991, pp. 249-254.
557.	L.M.Patnaik, T.G.Venkatesh and J.Mohan Kumar, Transputers in Industrial Automation, Invited talk at the Conference on Microprocessor Based Industrial Applications, March 1-2, 1991, Coimbatore, India.
558.	L.M.Patnaik, Architectural Trends in AI Systems, Key Note Address at the Symposium on AI and Networks in Instrumentation, February 1991, Bombay, India.
559.	L.M.Patnaik and M.Srinivas, Genetic Algorithms in Optimization, Invited paper at the Symposium on AI and Networks in Instrumentation, February 1991, Bombay, India.
560.	R.Mall, L.M.Patnaik and Srilata Raman, Simulated Annealing-Based Channel Routing on Hypercube Computers, Proceedings of the Fourth CSI/IEEE International Symposium on VLSI Design, New Delhi, January 1991, pp.75-81.
561.	P.C.Mathias and L.M.Patnaik, Systolic Evaluation of Polynomial Expressions, IEEE Transactions on Computers, Vol.39, No.5, May 1990, pp. 653-665.
562.	L.M.Patnaik and R.Mall, Challenges in Distributed Real-Time Software Development, Invited paper at the National Workshop on Computers in Real-Time Applications, Kalpakkam, 4-7 December 1990.
563.	L.M.Patnaik, Mathematics and Computer Science: Symbiotic Disciplines, Invited paper at the Fifteenth Annual Symposium of Orissa Mathematical Society, Rourkela Orissa, December 1990.
564.	L.M.Patnaik, Sukumar Bhattacharya and Chandan Haldar, Current Trends in High Speed Image Generation, Invited paper at the International Seminar on Frontiers in Imaging, 1990.
565.	R.Krishna Kumar, A.Sudhakar, S.K.Sinha and L.M.Patnaik, A Multi-Transputer Architecture with Dynamic Reconfigurable Capability, Proceedings of the PARCOM 90 Conference, Pune, India, December 1990.
566.	L.M.Patnaik and R.Mall, Critical Issues in Real-Time Software Development, Invited paper at the National Conference on Real-Time Systems, Indore, India, November 1990, pp.7-20.
567.	Rajib Mall and L.M.Patnaik, Specification and Verification of Timing Properties of Distributed Real-Time Systems, 1990 IEEE Region 10 Conference on Computer and Communication Systems, Sept.1990, Hong Kong, pp. 274-278.
568.	N.R.Shah and L.M.Patnaik, SPARCS: A System for Parallel Architecture Simulation, 1990 International Conference on Parallel Processing, Aug.1990, Chicago, U.S.A., pp. I-605-I-606.
569.	L.M.Patnaik and P.C.Mathias, Systolic Arrays for Polynomial Expression Evaluation, Workshop on Signal Processing, Communications and Networking, Bangalore, 23-26 July, 1990, pp. 210-219.
570.	D.Sreenivasa Rao, John D. Provence and L.M.Patnaik, A Neural Network Based Method for Dynamic Reconfigurability of Array Processors, Proceedings of the Symposium on Parallel Processing, April 1990, Fullerton, CA, U.S.A.
571.	Sattiraju Prabhakar, I.S.N.Murthy and L.M.Patnaik, Diagnosing Multiple Faults Using a Taxonomic Organization of Deep Level Casual Knowledge, AAAI Spring Symposium 1990, Stanford University, March 27-29, 1990.
572.	L.M.Patnaik and J.Mohan Kumar, Neural Network Simulators on Multiprocessor Systems, Invited paper at the Workshop on Parallel Processing, Bombay, India, 7-9 February 1990, pp.SEA-23-SEA-32.
573.	S.V.R.K Prabhakar, I.S.N. Murthy and L M Patnaik, "Diagnosing Multiple Faults in Dynamic Enviroments Using an Organization of Fault Oriented Causal Knowledge", TISL, Univ. of Kansas, Lawrence, Kansas, Feb 1990.

574.	S.V.R.K Prabhakar, I.S.N Murthy and L M Patnaik, "Organization of Piecewise Structured Medical Knowledge into Multiple Taxonomies for Diagnosis", TISL, Univ, of Kansas, Lawrence, Kansas, Jan 1990.
575.	D.Liginlal, M.Narasimha Murthy and L.M.Patnaik, A Systolic Approach to Pattern Clustering, 1989 International Symposium on Computer Architecture and Digital Signal Processing, Hong Kong, Oct. 1989.
576.	S.Balaji, Lawrence Jenkins, L.M.Patnaik and P.S.Goel, Workload Redistribution for Fault-Tolerance in a Hard Real-Time Distributed Computing System, Proc. of the IEEE Nineteenth International Symposium on Fault-Tolerant Computing, Chicago, U.S.A., June 1989, pp.366-373.
577.	Srilata Raman and L.M.Patnaik, Circuit Partitioning Using Simulated Annealing on a Hypercube, Proceedings of the Fourth International Conference on Super-computing, April 1989, pp. 155-159.
578.	L.M.Patnaik and P.C.Mathias, Parallel Architectures in Realistic Display of 3-D Objects, Invited paper at the National Symposium on Image Processing in Materials Science and Other Disciplines, Bombay, March 1989.
579.	Chandan Halder and L.M.Patnaik, Three Algorithms on Hypercube Architecture and their Applications to Geometry Problems, Fourth Conference on Hypercubes, Concurrent Computers and Applications, March 1989, Monterey, California.
580.	Srilata Raman and L.M.Patnaik, HIRECS: Hypercube Implementation of Relaxation Based Circuit Simulation, Fourth Conference on Hypercubes, Concurrent Computers and Applications, March 1989, Monterey, California, U.S.A., pp.1211-1213.
581.	N.Jagadish and L.M.Patnaik, Experimental Performance Evaluation of LANs based on CSMA/CD Protocol, National Seminar on Microprocessors and Communication Systems, February 23-24, 1989, Bangalore.
582.	A.V.S.Sastry, R.Govindarajan and L.M.Patnaik, Declarative Languages on Non-Von Neumann Architectures, Proceedings of the Workshop and Seminar on Issues in Parallel Computing, Bangalore, India, Jan. 1989.
583.	P.C.Mathias and L.M.Patnaik, Systolic Scan Line - Based Hidden Surface Removal in 3-D Graphics, Proceedings of the Workshop and Seminar on Issues in Parallel Computing, Bangalore, India, Jan. 1989.
584.	L.M.Patnaik, Invited Talk on Parallel Algorithms, Proceedings of the Workshop and Seminar on Issues in Parallel Computing, Bangalore, India, Jan. 1989.
585.	C.P.Ravikumar, Sarma Sastry and L.M.Patnaik, A Data Parallel Approach to Local Search Placement Algorithms, Proceedings of the Second International Workshop on VLSI Design, Bangalore, Dec. 1988, pp. 3-27.
586.	C.P.Ravikumar and L.M.Patnaik, High Level Simulation of Parallel VLSI Architectures, Proceedings of the Second International Workshop on VLSI Design, Bangalore, Dec, 1988, pp. 367-381.
587.	L.M.Patnaik, Invited paper on Parallel Architectures for Computer Aided Design, Proceedings of the Seminar on Defence Applications of Computers, Bangalore, Dec. 1988.
588.	S.V.R.K. Prabhakar, I.S.N. Murthy and L.M. patnaik, "Diagnostic Reasoning Guided by Multiple Taxonomies", IEEE/EMBS 10th Annual Conf, New Orleans, Nov 1988.
589.	A.V.S.Sastry and L.M.Patnaik, OR-Parallel Execution of Logic Programs on Modified Manchester Dataflow Architectures, Seventh Biennial Convention of South East Asia Regional Computer Confederation, Nov. 1988.
590.	A.V.S.Sastry and L.M.Patnaik, A Dataflow Architecture for OR-Parallel Execution of Logic Programs, 1988 International Conference on Parallel Processing, Aug 1988, pp. 414-421.

591.	A.V.S.Sastry and L.M.Patnaik, A Scheme for Implementation of Unified Logic and Functional Languages on Data Flow Machines, National Conference on Knowledge Based Computer Systems, Bangalore, India, June 1988, pp. 106-110.
592.	R.Govindarajan and L.M.Patnaik, OR-Parallel Execution of Logic Programs in Functional Languages, National Conference on Knowledge-Based Computer Systems, Bangalore, India, June 1988, pp. 101-104.
593.	R.B.Panwar, Srilata Raman and L.M.Patnaik, Solution of Linear Equations on Cube Connected Cycles, Third International Conference on Supercomputing, May 1988, Vol.II, pp.419-425.
594.	N.H.Vaidya, S.R.Das, P.C.Mathias and L.M.Patnaik, A Systolic Algorithm for Scanline-Based Hidden Surface Removal, Third International Conference on Supercomputing, May 1988, Vol.II, pp. 239-246.
595.	R.B.Panwar and L.M.Patnaik, Solution of Linear Equations on Shuffle-Exchange and Modified Shuffle-Exchange Networks, 26th Annual Allerton Conference on Communication Control and Computing 1988.
596.	S.K.Das, V.K.Agrawal, D.Sarkar, L.M.Patnaik and P.S.Goel, Reflexive Incidence Matrix (RIM) Representation of Petri Nets, IEEE Transactions on Software Engineering, Vol.13, No.6, June 1987, pp. 643-653.
597.	L.M.Patnaik and S.Balaji, Byzantine-Resilient Distributed Computing Systems, Special Issue of SADHANA, Proceedings of Indian Academy of Science, Oct. 1987, pp. 81-91.
598.	R.C.Hansdah and L.M.Patnaik, Weak Consistency of Read-Only Transactions : A Tool to Improve Concurrency in Heterogeneous Locking Protocols, Seventh Conference on Foundations of Software Technology and Theoretical Computer Science, Dec.1987, pp. 265-281.
599.	C.P.Ravikumar and L.M.Patnaik, Parallel Placement by Simulated Annealing, ICCD'87 IEEE International Conference on Computer Design: VLSI in Computers and Processors, Oct. 1987, pp. 91-94.
600.	C.P.Ravikumar and L.M.Patnaik, An Architecture for CSP and its Simulation, 1987 International Conference on Parallel Processing, pp.874-881.
601.	S.V.R.K.Prabhakar, I.S.N.Murthy and L.M.Patnaik, Multi-Level Organization for Qualitative Simulation in Diagnostic Tasks, IEEE International Conference on EMBS, 1987, pp. 348-350.
602.	L.M.Patnaik and K.Viswanathan Iyer, Load-Levelling in Fault-Tolerant Distributed Computing Systems, IEEE Transactions on Software Engineering, Vol. SE-12, No.4, April 1986, pp. 554-560.
603.	L.M.Patnaik, R.Govindarajan and N.S.Ramadoss, Design and Performance Evaluation of EXMAN: An Extended MANchester Data Flow Computer, IEEE Transactions on Computers, Vol. C-35, No.3, March 1986, pp. 229-244.
604.	A.G.Venkataramana and L.M.Patnaik, Systolic Architecture for B-Spline Surfaces, International Journal of Parallel Programming, Vol. 15, No.6, Dec. 1986, pp. 551-565.
605.	L.M.Patnaik and J.Basu, Two Tools for Interprocess Communication in Distributed Data Flow Systems, The Computer Journal, Vol.29, No.6, Dec. 1986, pp. 506-521.
606.	S.V.R.K.Prabhakar, L.M.Patnaik and I.S.N.Murthy, DIAGNOSTICIAN: Medical Diagnosis with Causal Reasoning, Proceedings of the Conference on Systems and Signal Processing, Dec. 1986, Bangalore, India, pp. 135-140.
607.	L.M.Patnaik, An Overview of Distributed Database Systems, Invited Paper at the Indian National CODATA Seminar, Indian Institute of Science, Bangalore, India, Dec. 1986.
608.	R.C.Hansdah and L.M.Patnaik, Update Serializability in Locking, Proceedings of International Conference on Database Theory, (Lecture Notes in Computer Science, Vol.243), Rome, Sept.1986, pp. 171-185.

609.	K.Anbumani, L.M.Patnaik and I.G.Sarma, Self-Tuning Pole-Placement in Nonlinear Systems of the Hammerstein Model, IEEE Transactions on Industrial Electronics, Vol. IE-32, No.2, May 1985, pp. 166-170.
610.	S.K.Nandy and L.M.Patnaik, A Study of Placement Algorithms through Trial Interchange of Logic Modules, Computer Aided Design, Vol.17, No.3, June 1985, pp. 210-214.
611.	S.K.Nandy and L.M. Patnaik, Placement through Pairwise Interchange Among Connected and Unconnected Logic Modules, Proceedings of 23rd Allerton Conference on Communications, Control and Computing, Oct. 1985, pp. 686-687.
612.	R.Srinivasan and L.M.Patnaik, Two Algorithms for Three Layer Channel Routing, Computer Aided Design, Vol.16, No.5, Sept. 1984, pp. 264-271.
613.	L.M.Patnaik and D.K.Anvekar, Experimental Networking of Microcomputers and a Minicomputer, Interfaces in Computing, Vol.2, No.1, 1984, pp. 17-29.
614.	A.K.Goswami and L.M.Patnaik, Functional Programming Systems Revisited, Proc. of the Fourth Conference on Foundations of Software Technology and Theoretical Computer Science, (Lecture Notes in Computer Science Vol.181), Bangalore, India, Dec.1984, pp. 44-59.
615.	D.Ghosal and L.M.Patnaik, Performance Analysis of Hidden Surface Removal Algorithms on MIMD Computers, Proceedings of the IEEE International Conference on Computers, Systems and Signal Processing, Dec. 1984, pp. 1666-1675.
616.	M.Gopalakrishnan and L.M.Patnaik, A Collision-Free Bus Access Scheme for Local Area Network with Multiple Packet Priorities, Proceedings of the IEEE International Conference on Computers, Systems and Signal Processing, Dec. 1984, pp. 829-833.
617.	S.K.Nandy and L.M.Patnaik, A Hybrid Technique for Placement of Logic Modules, Proceedings of the IEEE International Conference on Computers, Systems and Signal Processing, Dec. 1984, pp. 1460-1463.
618.	S.V.R.K.Prabhakar, I.S.N.Murthy and L.M.Patnaik, 'X': A Knowledge-Based Medical Diagnostic System, Proceedings of the IEEE International Conference on Computers, Systems and Signal Processing, Dec. 1984, pp. 1187-1191.
619.	V.K.Agrawal, L.M.Patnaik and P.S.Goel, Specification and Validation of a Protocol for a Real-Time Distributed Computing System, Proceedings of the IEEE International Conference on Computers, Systems and Signal Processing, Dec. 1984, pp. 265-269.
620.	R.Srinivasan and L.M.Patnaik, An Efficient Placement for Channel Routing, Proc. of the IEEE International Conference on Computers, Systems and Signal Processing, Dec, 1984, pp. 1455-1459.
621.	L.M.Patnaik, P.Shailendra and K.Venkateshwara Rao, Access Path Query Language for a Relational Database, Software Practice and Experience, Vol.13, No.8, Aug.1983, pp. 661-670.
622.	R.S.Shenoy and L.M.Patnaik, A Relational Database for Computer Aided Engineering, Proceedings of the IEEE 1983 International Conference on Computer Aided Design, Sept. 1983, pp. 107-108.
623.	L.M.Patnaik and K.M.Prasad, Implementation of an Algorithm for Semantic Integrity Testing in Relational Databases, Proceedings of the Computer Society of India Conference, Jan. 1983, pp. A2.07.01-A2.07.11.
624.	L.M.Patnaik, P.Bhattacharya and R.Ganesh, Design and Implementation of a High Level Language for a Data Flow Computer, Proceedings of the Computer Society of India Conference, Jan. 1983, pp. A2.06.01-A2.06.21.
625.	L.M.Patnaik, C.B.Kamadoli and R.Radhakrishnan, AMPLE: A MicroProgramming Language, Proceedings of the IEEE TENCON 82 Conference, Dec. 1982, pp. 144-149.
626.	L.M.Patnaik and P.S.Hariharan, A Relational Database for Medical Information Systems, Proceedings of the IEEE TENCON 82 Conference, Dec. 1982, pp. 130-136.

627.	A.K.Goswami and L.M.Patnaik, A Bit-flow Processor Module for Distributed Computing Systems, Proceedings of the IEEE International Conference on Circuits and Computers, Sept. 1982, pp. 71-74.
628.	L.M.Patnaik, CAMAC: Computer Aided Monitoring and Control, Proceedings of the Computer Society of India Region III Convention CAD/CAM 82, June 1982.
629.	R.S.Shenoy and L.M.Patnaik, A Structuredly Decomposed Relational Database for CAD Applications, Proceedings of the Computer Society of India Region III Convention CAD/CAM 82, June 1982.
630.	L.M.Patnaik and N.Ramesh, A Relational Database for Computer Aided Design, Proceedings of the Computer Society of India Conference, Jan. 1982.
631.	L.M.Patnaik and D.K.Anvekar, An Experimental Minicomputer – Microcomputer Link for Host-Satellite Systems, Proceedings of the Computer Society of India Conference, Jan. 1982, pp. 1.79-1.84.
632.	K.Anbumani, I.G.Sarma and L.M.Patnaik, Self-Tuning Cascade Control of Linear and Nonlinear Systems, Proceedings of the IFAC Symposium on Theory and Application of Digital Control, Jan. 1982, pp. B97-B101.
633.	L.M.Patnaik, N.Viswanadham and I.G.Sarma, Design of Multiloop Controllers for an Ammonia Reactor, IEEE Transactions on Industrial Electronics and Control Instrumentation, Vol.IECI-28, No.4, Nov. 1981, pp. 353-358.
634.	K.Anbumani, I.G.Sarma and L.M.Patnaik, Self-Tuning Control with Costing of Non-Linearity Output, Proceedings of International Conference on Systems Theory and Applications, Dec. 1981, pp. 97-101.
635.	R.S.Ramakrishna and L.M.Patnaik, Design of Interactive Graphics Based Management Information Systems, Proceedings of the IEEE Annual Convention and Exhibition, Nov. 1981.
636.	D.N.Jayasimha, A.Venkatesan and L.M.Patnaik, TODEMS - A Software Design Tool for Multi-Microprocessor Systems, Proceedings of the IEEE IECI 81 International Conference on Industrial Control and Instrumentation Applications of Mini and Microcomputers, Nov. 1981, pp. 90-95.
637.	L.M.Patnaik and S.Naik, A Hybrid Computer Simulation Approach for the Design of an Interactive Graphics Package for On-Line Process Control, Proceedings of the IEEE 1981 International Conference on Cybernetics and Society, Oct. 1981, pp. 318-323.
638.	L.M.Patnaik and A.K.Goel, Wire-Frame and Surface Modeling for Computer Aided Engineering Applications, Proceedings of the National Academy of Sciences Symposium on Computers in Education, Research and Industrial Development, Oct, 1981, pp. 1-7.
639.	K.Anbumani, I.G.Sarma and L.M.Patnaik, Self-Tuning Control of Non-Linear Systems Characterized by Hammerstein Models, Proceedings of the IFAC VIII Triennial World Congress, Aug. 1981, pp. 79-84.
640.	L.M.Patnaik, Database System Design for Multilayer Control, Proceedings of the ISMM International Symposium on Mini and Microcomputers in Control and Measurement, May 1981.
641.	P.Shailendra and L.M.Patnaik, An Access Path Producing Language (APPLE) Interface for Relational Databases, Proceedings of the Computer Society of India Conference, March 1981, pp. II-314 - II-321.
642.	K.Venkateswara Rao and L.M.Patnaik, Generalized Access Path Model for Relational Database System with DDL and DML Features, Proceedings of the Computer Society of India Conference, March 1981, pp. II-384 - II-389.
643.	Y.N.Srikant, D.Vidyasagar and L.M.Patnaik, GRASS: A GRAPHICS Software System for the Design of 2-D Drawings, Proceedings of the Computer Society of India Conference, March 1981.
644.	V.Apsingkar and L.M.Patnaik, Design of Normalised Relations in Databases, Proc. of the Computer Society of India Conference, March 1981, pp. II-343 - II-347.

645.	L.M.Patnaik, V.Apsingkar, P.Shailendra and K.Venkateswara Rao, Design and Implementation of Minicomputer-Based General-Purpose Database, Proceedings of the IEEE Micro-Delcon'81 Conference, March 1981, pp. 47-51.
646.	Victor Jayakaran, L.M.Patnaik and S.Rajaram, Design of Microcomputer-Aided Teaching System, Proceedings of the International Conference on Microcomputer Application to Industrial Control, February 1981.
647.	L.M.Patnaik, A Microprocessor-Based Distributed Control System for a Chemical Process, Proceedings of the International Conference on Microcomputer Application to Industrial Control, February 1981, pp. 101-104.
648.	L.M.Patnaik, N.Viswanadham and I.G.Sarma, Computer Control Algorithms for Tubular Ammonia Reactor, IEEE Transactions on Automatic Control, Vol.AC-25, No.4, Aug. 1980, pp. 642-651.
649.	K.Anbumani, L.M.Patnaik and I.G.Sarma, Multivariable Self-Tuning Control of a Distillation Column, Proceedings of Joint Automatic Control Conference, Aug 1980, pp. FA5-D.
650.	B.K.P.Saha, L.M.Patnaik and S.Rajaram, Design and Implementation of a Monitor for Real-Time Process Control, Proceedings of the 23rd Midwest Symposium on Circuits and Systems, Aug. 1980.
651.	V.Rajendra Prasad and L.M.Patnaik, Computer Performance Evaluation - A Synthesizing Overview, Proceedings of the First Regional Conference of the Computer Society of India, June 1980.
652.	I.G.Sarma, N.Viswanadham and L.M.Patnaik, Multilayer Control of an Ammonia Reactor, Proceedings of 1979 IEEE Conference on Cybernetics and Society, 1979, pp. 82-92.
653.	L.M.Patnaik, N.Viswanadham and I.G.Sarma, Discrete Control Algorithms for a Tubular Ammonia Reactor, Proceedings of 1978 IEEE Conference on Decision and Control, 1978, pp. 862-867.
654.	L.M.Patnaik, N.Viswanadham and I.G.Sarma, Identification and Optimization of Ammonia Reactors through Hybrid Simulation, Proceedings of 1977 IEEE Conference on Decision and Control, 1977, pp. 185-190.
655.	L.M.Patnaik, I.G.Sarma and N.Viswanadham, Computer Control of Ammonia Reactors, Proceedings of Symposium on Automation in Industry, Oct. 1977, pp. 7-1/1-7-1/9.
656.	L.M.Patnaik, Automation of Fertilizer Industries - A Synthesizing Overview, Proceedings of IEEE Annual Convention and Exhibition, February 1975.
657.	I.G.Sarma and L.M.Patnaik, Computer Control of Ammonia Synthesis Reactors Choice of Suitable Models, Proceedings of the National Systems Conference, Nov, 1974.

Books Edited/ Authored

1.	G M Siddesh, Ganesh Chandra Deka, K G Srinivasa and L M Patnaik(Editors), Cyber Physical Systems- A Computational Perspective, Chapman and Hall , Taylor and Francis Group ,CRC Press, 2016.
2.	Ganesh Chandra Deka, G M Siddesh, K G Srinivasa and L M Patnaik (Editors), Emerging Research Surrounding Power Consumption issues in Utility Computing, IGI Global, November 2015.
3.	K R Venugopal ,P Deepa Shenoy and L M Patnaik(Editors), Data Mining Algorithms, Proceedings of Eighth International conference on Data Mining Algorithms, Bangalore, July 25-27, 2014, Elsevier Publications.

4.	K R Venugopal, K B Raja and L M Patnaik (Editors), Digital Image and Signal Processing, Proceedings of Eighth International conference on Digital Image and Signal Processing Bangalore, July 25-27, 2014, Elsevier Publications.
5.	K R Venugopal, and L M Patnaik, (Editors), Computer Communication Networks, Proceedings of Eighth International conference on Computer Communication Networks, Bangalore, July 25-27, 2014, Elsevier Publications.
6.	K R Venugopal ,P Deepa Shenoy and L M Patnaik(Editor),Data Mining and Warehousing, Proceedings of Seventh International conference on Data Mining and Warehousing, ICDMW 2013, Bangalore August 9-11, 2013, Elsevier Publications.
7.	K R Venugopal, K B Raja and L M Patnaik (Editors), Image and Signal Processing, Proceedings of Seventh International conference on Image and Signal Processing, ICISP, Bangalore, August 9-11, 2013, Elsevier Publications.
8.	K R Venugopal, and L M Patnaik, (Editors) , Communication Networks, Proceedings of Seventh International conference on, Communication Networks,ICCN 2013, Bangalore, August 9-11, 2013, Elsevier Publications.
9.	K R Venugopal, and L M Patnaik, (Editors) Wireless Networks and computational intelligence, proceedings of sixth international conference on Information Processing ICIP 2012, Bangalore August 2012,Published by Springer
10.	K R Venugopal, and L M Patnaik, (Editors) Computer Networks and Intelligent Computing, proceedings of fourth international conference on Information Processing ICIP 2011, Bangalore August 2011,Published by Springer
11.	LM Patnaik, Venugopal KR (Editors), 4th International Conference on Information Processing, Bangalore, Aug 6-8, 2010, published by IK International Publishing House Pvt Ltd, New Delhi.
12.	L M Patnaik, K R Venugopal, “Proceedings: 3rd International Conference on Information Processing”, Aug 7-9, 2009, IK International Publisher.
13.	K R Venugopal, K G Srinivasa, L M Patnaik, “Soft Computing for Data Mining”, (Studies in Computational Intelligence), 2009, Springer Publisher.
14.	L M Patnaik, KR Venugopal, “Proceedings: 2nd International Conference on Information Processing”, Aug 8-10, 2008, IK International Publisher.
15.	L.M.Patnaik, K.R.Venugopal, “Information Proceasing” Proceedings – Second International Conference, August 8-10, 2008, Bangalore.
16.	Sivakumar G, Chandra Sekaran K, Venugopal K R, L M Patnaik, Kishor S Trivedi., “ Proceedings 14th International conference on Advanced Computing and Communications. Surthakal December 20-23, 2006
17.	Sudip Misra, K Chandra Sekaran, Venugopal K R., L M Patnaik, Mohammad S Obaidat., Isaac Woungang., “ Proceedings of 2006 International Sympoisum on Adhoc and ubiquitous computing” Surathkal, December 20-23, 2006.
18.	L.M. Patnaik, Asoke k. Talukder, Deepak Bhattarai, Hirendra Man Pradhan, Sudan Jha, Sitharama Iyengar (Editors), Innovative Applications of Information Technology for the Developing World, Proceedings of the 3rd Asian Conference on Applied Computing, Dec 10-12, 2005, Kathmandu, Nepal.
19.	M Palaniswami, L M Patnaik, Venugopal K R., Rajeev Khosla and Rajgopal Kannan, Proceedings of the Third International conference on Intelligent sensing and information processing , December 14-17, 2005 Bangalore
20.	Viktor K.Prasanna, Vijay P.Bhatkar, L.M.Patnaik, and Satish K.Tripathi (Editors), Parallel Processing, Proceedings of the International Workshop on Parallel Processing, Tata McGraw-Hill Publishing Company Limited, 1994.
21.	L M Patnaik, K . Rajan, S. Sasikumar, Sudha Raju and A L Rao, India The emerging information technology giant , Proceedings of the Computer Society of India1996 Conference Bangalore 30th October- 03 November 1996.
22.	R. N. Madan, N. S. V. Rao, V. P. Bhatkar and L. M. Patnaik (Editors.), “Parallel and Distributed Signal and Image Integration Problems”, Proceedings of the Indo-US Workshop on Parallel and Distributed Image Integration Problems, December 16-18, 1993, Pune, India, World Scientific Publishing Company Pte. Limited, 1993.

Book Chapters

1.	L.M.Patnaik and M.Srinivas, Adaptation in Genetic Algorithms, in Genetic Algorithms for Pattern Recognition, Edited by Sankar Pal, CRC Press, Inc, 1995.
2.	LM Patnaik, “The Changing Scenario of Higher Education in the Twenty First Century”, Chapter in Book on XXI Century Priorities in Engineering Education, published by ISTE in association with Macmillan, 2010.
3.	Srinivasa K G, Venugopal K R, and L M Patnaik, “Soft Computing for Mining XML Data”, Encyclopedia of Data Warehousing and Mining, 2nd Edition, Section : Soft Computing, pp. 1806-1809, IGI Global 2008, IDEA Publishers.
4.	Srinivasa K G, Venugopal K R, and L M Patnaik, “XML Data Mining using Gentic Algorithms and SVM”, Encyclopedia of Data Warehousing and Data Mining, IDEA Publishers, USA, 2007.
5.	L M Patnaik and S Karthik, Partitioning Techniques for Reconfigurable Computing, Computing and Information Sciences: Recent Trends”, Edited by J C Misra, Narosa Publishers, 2002, pp.86-109.
6.	L M Patnaik and Sayan Mitra, Specification Language Design for Hybrid Systems, Computational Mathematics, Modelling and Algorithms, Edited by J C Misra, Narosa Publishers, 2002, pp.33-52.
7.	Sayan Mitra and L M Patnaik, Specification Language Design for Hybrid Systems, in Computational Mathematics, Modelling and Algorithms (Ed J C Misra), Alpha Science International, Jan 2003
8.	Boleslaw K Szymanski, L M Patnaik and Sain Wun song (Editors), Trends in Parallel Processing, United Nations Industrial Development Organisation, March 96.
9.	L M Patnaik, High Performance Computing in India and the Far East, Trends in Parallel Processing, Emerging Technology Series, Prepared for UNIDO by Boleslaw K Szymanski, L M Patnaik and S W Song(Eds.), March 96, pp.33-57.
10.	Srilata Raman and L M Patnaik, Optimization via Evolutionary Processes, Advances in Computers, Edited by Marvin V Zelkowitz, Academic Press, Vol.45, 1997, pp.156-194.
11.	L.M.Patnaik and U.Dixit, Computer Aided Design of Digital Systems at Functional Level, in Microelectronics and Microcomputer Applications, Edited by M.G.Hartley and A.Buckley, Manchester University Press, March 1983.
12.	L.M.Patnaik and R.Mall, Recent Trends in Formal Specification of Real-Time Systems, in Software Engineering and Knowledge Engineering:

Technical Reports

1.	V V Binoy, Chidambaram Iyer, Lalit Mohan Patnaik and Baldev Raj, Science Technology and Indian Society: An Anthology of perspectives, Technical Report No.R 38-2016, National Institute of Advanced studies, Bangalore, June 2016, ISBN 978-93-83566-21-1.
2.	L M Patnaik, K Rajan, and M Gangadhar, Serial and Parallel Implementation of STAP, Indian Institute of Science, Terminal Report, September 2003.
3.	L M Patnaik, Praveen Kumar R Ramteke, Harsha Somanath Chatriki, and Na-garaj Inamati, Signal Processing Algorithms for Brain Image Classification, Indian Institute of Science, April 2003.
4.	L M Patnaik, and K Rajan, Serial and Parallel Implementation of STAP, Indian Institute of Science, Feb 2003.
5.	P Deepa Shenoy, K R Venugopal, L M Patnaik, “Data Mining Algorithms”, Technical Report, Department of Computer Science and Engineering, University Visvesvaraya College of Engineering, Bangalore University, December 2002.
6.	K Rajan, and L M Patnaik, Feasibility Study of Real-Time Processing of Radar Data Using STAP Algorithm. Department of Physics, Indian Institute of Science October 2001.
7.	S K Sinha, L M Patnaik, and Suresh S Bhat, Study and Simulation of Interconnection

	Networks and Architectures for ANUPAM, BARC Parallel Processing System, Technical Report No. DAE-2000/003, 2000.
8.	L M Patnaik, Rupa N Rao, and Mohd. Arshad Gawai, Simulation Studies for the Design and Development of Neurocomputers, Technical Report No. DBT-99/001, March 1999.
9.	S K Sinha, L M Patnaik, and Sanjeev Sahu, Study and Simulation of Interconnection Networks and Architectures for ANUPAM, BARC Parallel Processing System, Technical Report No. DAE-98/005, Indian Institute of Science, May 1998.
10.	L.M.Patnaik, K.Rajan, and H.Shanakaranarayana Adiga, Neural Network-based Automatic Target Recognition, Technical Report No. JATP-98-001, Indian Institute of Science, January 1998.
11.	L.M.Patnaik, K.Rajan, Pravish.P, Ranjan.A, and Shankaranarayana Adiga.H, Neural Network-based Automatic Target Recognition, Technical Report No. JAT 97-002, Indian Institute of Science, June 1997.
12.	L.M.Patnaik, K.Rajan, A. Ranjan, and H. Shankaranarayana Adiga, Neural Network based Automatic Target Recognition, Technical Report No. JATP-97-006, Indian Institute of Science, November 1997.
13.	L.M.Patnaik, K.Rajan, Pravish.P, and Manoj.M, Neural Network-based Automatic Target Recognition, Technical Report No. JATP-96-005, Indian Institute of Science, Dec. 1996.
14.	L.M.Patnaik, K.Rajan, S Sreenath, Sanjay Krishna, and Seema Doshetty, Neural Network-based Automatic Target Recognition, Technical Report No. JATP-96-004, Indian Institute of Science, July 1996.
15.	L.M.Patnaik, K.Rajan, S Sreenath, Sanjay Krishna, and Seema Doshetty, Neural Network-based Automatic Target Recognition, Technical Report No. JATP-96-001, Indian Institute of Science, May 1996.
16.	L.M.Patnaik, Hema Nair, G.Raghavendra, and Varghese Abraham, Terminal Report of the Project “Neural Network-based Data Fusion for Airborne Radar Data Processors”, Technical Report No. JATP-96-001, Indian Institute of Science, February 1996.
17.	L.M.Patnaik, D. Srinivas Ganesh, and N.Mohan Ram, UNIX on Massively Parallel Systems - A Technical Study, Technical Report, Indian Institute of Science, February 1996.
18.	L.M.Patnaik, Hema Nair, G.Raghavendra, and Varghese Abraham, Neural Network based Data Fusion for Airborne Radar Data Processors, Technical Report No. JATP-95-007, Indian Institute of Science, Aug. 1995.
19.	S.V.K. Prabhakar, I.S.N. Murthy and L.M. Patnaik.Diagnostic Reasoning in Medical Domains: Guiding the Qualitative Simulation through the Experience of Experts, Dept. of Elec. Engg., IISC, Jan. 1987.
20.	L.M.Patnaik, R.Govindarajan, and M.Spegel, A Critique on Parallel Computer Architectures, Technical Report Institute Jozef Stefan Ljubljana, Yugoslavia, Dec, 1987.
21.	L.M.Patnaik and J.Mohan Kumar, Modelling Neural Networks, IETE Technical Review, Vol.6, No.4, 1989, pp.304-311.
22.	I.G.Sarma, N.Viswanadham, and L.M.Patnaik, Simulation Evaluation of the Control System Design for a Carriage and Trolley System, submitted to Messrs. Larsen and Toubro Limited, Dec. 1979.
23.	L.M.Patnaik, and Sarah Joseph, DARE/ELEVEN - A Continuous System Simulation Language, submitted to Electronics Commission, Government of India, July 1979.
24.	L.M.Patnaik, S.Rajaram, and N.Chakrapani, Design and Implementation of a Real-Time Monitor for Process Control Applications, submitted to Electronics Commission, Government of India, July 1979.
25.	L.M.Patnaik, N.Viswanadham, and I.G.Sarma, Optimization and Multivariable Computer Control of an Ammonia Reactor, submitted to Electronics Commission, Government of India, Dec. 1977.
26.	M.R.Chidambara, N.Viswanadham, and L.M.Patnaik, Simulation and Sensitivity Analysis of Steady State and Dynamic Models for an LD Converter, submitted to Electronics Corporation of India Limited, February 1975.
27.	M.R.Chidambara, N.Viswanadham, and L.M.Patnaik, “Control Strategies for Dynamic Control of an LD Converter”, submitted to Electronics Corporation of India Limited, February 1975.
28.	M.R.Chidambara, N.Viswanadham, and L.M.Patnaik, Technical and System Design

	Considerations for Computer Control of an LD Converter, submitted to Electronics Corporation of India Limited, February 1975.
29.	M.R.Chidambara, N.Viswanadham, and L.M.Patnaik, State of the Art and Models for LD Converter, submitted to Electronics Corporation of India Ltd, Dec 1974.