

Kit Fai PUN



Professor of Industrial Engineering

MSc, MEd, MPhil, PhD, CEng, Eur Ing, CPEng, APEC Eng, RPE, REng, NER, IntPE(Aus), FIEAust, FIET, FHKIE, FHKSQ, FAPETT, TWAS Fellow

Lecturing in: IENG 2007*, IENG 3000, IENG 3001*, IENG 3005*; MENG 3000*, MENG 6402*; MENG 6405, MENG 6500; PRMG 6005, PRMG6012

(* - Serving as Course Coordinator or sharing teaching with other colleagues)

Research Areas: Industrial Engineering, Engineering Management, Quality and Innovation

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Since 2001, I worked my way from senior lecturer to full professor at The University of the West Indies (UWI), St Augustine, Trinidad and Tobago. I obtained my tenure in 2004 and am presently the Chair Professor of Industrial Engineering (IE) and the coordinator of IE Research Group. I was the Deputy Dean in Research and Postgraduate Student Affairs (2006-2007 and 2009-2012) of the Faculty of Engineering, and served as the Campus Coordinator (August 2012-July 2015) of the School for Graduate Studies and Research. Before joining The UWI, I held several academic positions at City University of Hong Kong, and worked in industry as operations executive, researcher, engineer, and consultant in Hong Kong and the United Kingdom (UK) from 1985 to 2001.

I am Chartered Engineer and Chartered Marketer in the UK, as well as Registered Professional Engineer in Australia, Europe, Hong Kong, and The Republic of Trinidad and Tobago. I am member of Caribbean Academy of Science (CAS), Fellow of The World Academic of Science (TWAS), and Fellow/member of several professional bodies and learned societies (such as IEEE, IIE, ASME, ASQ, IET, BCS, CIM, IEAust, HKIE, HKSQ, and APE). I have been serving as the Chairperson of the Technology and Engineering Management Society Chapter (formerly the Technology Management Council) of the IEEE Trinidad and Tobago Section since 2003, and was past Chair of the Mechanical & Industrial Division of the Association of Professional Engineers of Trinidad and Tobago (APETT) from 2004 to 2009. At present, I also serve as the chair of the Local Member Community (LMC) of the American Society for Quality (ASQ), Trinidad and Tobago,

My research activities include industrial engineering, engineering management, quality management, performance measurement, and innovation. I published more than 300 journal articles, technical papers, reports and teaching aids, and had completed 20 research projects funded by UWI and other overseas universities and governments. I am presently supervising five (5) MPhil/PhD students at The UWI.

My research work has been cited widely by researchers and scholars. As at June 12, 2019, there were more than 4,600 citations of my publications, and the 'h-index' was 38 and the 'i10-index' was 58 (source: <http://scholar.google.com/citations?user=gPix5mkAAAAJ&hl=en>). I have received several recognitions of my research accomplishments, including the 2008 Vice-Chancellor's Award for Excellence (Teaching and Research) and the 2012 'Most Outstanding Researcher Award' (Engineering) recognised by the University. I also received The IEOM Outstanding Service Award 2015 in Industrial Engineering and Operations Management Profession, and The 2018 R.V.S. Aleong Award for Sterling Service to APETT. My biography has been selected for *The Marquis Who's Who in the World* (since 2005) and *The Marquis Who's Who in Science and Engineering* (since 2006).

EDUCATION

MSc	Technological Economics	University of Stirling, UK
MSc	Applied Computing Technology	Middlesex University, UK
MEd	Educational Management	Victoria University of Manchester, UK
MPhil	Information Systems	City University of Hong Kong, Hong Kong
PhD	Engineering Systems	Middlesex University, UK

PROFESSIONAL QUALIFICATIONS

Chartered Engineer, CEng (1998)	The Engineering Council, UK (No.457657)
Chartered Marketer (1998)	Chartered Institute of Marketing, UK (No.325139)
Chartered Professional Engineer, CPEng NER (1998)	National Professional Engineers Register, Australia (No.2115696)
Registered European Engineer, Eur Ing (1999)	European Federation of National Engineering Associations, Brussels (No.24372)
Registered Professional Engineer, RPE (2000)	Engineers Registration Board, Hong Kong (No.0320919)
Registered Engineer, REng (2003)	Board of Engineering of T&T (No. 11-868)

EXPERIENCES

- Professor of Industrial Engineering, University of the West Indies (UWI), Trinidad & Tobago (since October 2004)
- Campus Coordinator, Graduate Studies and Research, UWI (August 2012- July 2015)
- Chairman, Campus Committee on Graduate Studies and Research, UWI (2012-2015)
- Chairman, Campus Research and Publication Fund Committee, UWI (2012-2015)
- Head, Industrial Engineering Division/Office, UWI (since August 2001)
- Programme Leader, BSc (Eng) in Industrial Engineering, UWI (since August 2001)
- Former Deputy Dean, Research and Postgraduate Student Affairs, Faculty of Engineering, UWI (2006-2007; 2009-2012)
- Former Programme Coordinator, Programme Management Team, The UWI's MSc/PgD Programmes in Guyana (2006-2008)
- Coordinator, Industrial Engineering Research Group, UWI (since January 2003)
- Former Coordinator, The Centre for Enterprise Research Integration, UWI (2004-2011)
- Chairman, The Technology and Engineering Management Society, The IEEE Trinidad and Tobago Section (since January 2015)
- Council Member, International Council for Science - Regional Office for Latin American and the Caribbean (ICSU-ROLAC) (since May 2016)
- Chairman, Local Members Community (LMC) of the American Society for Quality, Trinidad and Tobago (Since September 2016)
- Past Chairman, The Mechanical & Industrial Division, The Association of Professional Engineers of Trinidad and Tobago (2004-2009)
- Past Vice Chairman, The IEEE Trinidad and Tobago (T&T) Section (2005-2007)
- Past Chairman, The Engineering Management Society Chapter, IEEE T&T Section (2003-2007)
- Past Chairman, The Technology Management Council, The IEEE Trinidad and Tobago Section (2008-December 2014)
- Visiting Professor, Department of Industrial and Systems Engineering, The Hong Kong Polytechnic University, Hong Kong (January – August 2009)
- UWI Representative to the Evaluation and Approval Committee, Enhancement of the Research and Development Facility (RDF), Ministry of Trade and Industry (since January 2010)
- Consultancy, training and industrial/student projects for WASA, NGC, BHP Billiton, Schlumberger, PCS Nitrogen Trinidad, PowerGen, bpTT, Unilever, Holiday Snacks Limited, Industrial Plant Services, Caribbean Packaging Industries, Hornbeck Offshore Trinidad & Tobago Ltd, Caribbean Airlines, the Ministry of Tourism, and Port Authority of T&T, etc. (since August 2001)

- Serving as Co-chair/ Session Chair/Member of Organising/technical Committees for more than 30 Regional and International Conferences and Symposiums in engineering, engineering management and associated disciplines (since August 2001)
- External Examiner, Project Management Programmes, The University of Botswana (since January 2016)
- Serving as *Ad hoc* reviewer for some 20 international journals.

AWARDS AND HONOURS

- Fellow, Institution of Engineers, Australia (2008)
- Fellow, Institution of Engineering and Technology, United Kingdom (2009)
- Fellow, Hong Kong Institution of Engineers, Hong Kong (2009)
- Fellow, Hong Kong Society for Quality, Hong Kong (2009)
- Fellow, The Association of Professional Engineers of Trinidad and Tobago (2013)
- Fellow, The World Academy of Sciences (TWAS) (2018)
- Best Paper Award (Theoretical), Annual Journal of the Institute of Industrial Engineers (Hong Kong), 1998
- Literati Club Awards for Excellence 2003 (Most Outstanding Paper in the 2002 volume of Journal of Quality in Maintenance Engineering) Emerald, UK
- Who's Who in the World (since 2005), The Marquis Who's Who Publication Board
- Emerald Literati Network 2006 Highly Commended Award (Paper in the Volume 16, Issue 3, 2005 of Journal of Manufacturing Technology Management) Emerald, UK
- The UWI/Guardian Life 'Premium' Teaching Awards 2006, Office of the Campus Principal, UWI, Trinidad and Tobago
- Who's Who in Science and Engineering (since 2006), The Marquis Who's Who Publication Board
- '60 Under 60' Researcher, The University of the West Indies (UWI), Trinidad and Tobago, 2008
- The Vice-Chancellor's Award for Excellence (Category V: All-round Performance in Teaching and Research), UWI, Trinidad and Tobago, 2008
- The Most Outstanding Researcher Award (Engineering), UWI, Trinidad and Tobago (2012)
- The IEOM Outstanding Service Award 2015, The IEOM Society, Orlando USA, September 2015
- The 2018 R.V.S. Aleong Award for Sterling Service, The Association of Professional Engineers of Trinidad and Tobago, September 2018

RESEARCH PROJECTS AND RESEARCH STUDENTS SUPERVISED

- Supervised more than 200 Capstone Projects (both Undergraduates and taught Masters).
- Supervised 9 MPhil/PhD; and 4 of them became Faculty members at The UWI and a university abroad.
- Currently supervising 5 MPhil/PhD and more than 10 MSc students in areas of Engineering Systems; Integrated Management (Knowledge, Quality and Safety Systems), Technology and Project Management.
- Completed 20 research projects, and secured funding for on-going research from UWI and other overseas universities and governments, such as:
 - Ref.CRP.3BV: "Develop an Integrated Planning Framework of Green Manufacturing and Environmental Management Practices for Trinidad and Tobago enterprises", (Completed in July 2003)
 - Ref. CRP.3DT: "Employee Empowered Quality Improvement in Manufacturing Enterprises in Trinidad and Tobago", (Completed in November 2004)
 - Ref. CRP/DA 9BL: "Investigation of Decision Support System Capabilities for Improving Poultry Farm Performance in Trinidad and Tobago", (Completed in December 2004)
 - Ref. CRP.3.MAR08.19 2007/08: "A Study of Consumption and Recycling of Plastic (Polyethylene Terephthalate) Bottles in Trinidad and Tobago", (Completed in December 2008)
 - Collaborative Research Project: "Strategy Formulation and Performance Measurement in Manufacturing Enterprises", (with City University of Hong Kong, *The Hong Kong Polytechnic University*, and *Middlesex University, UK*; Completed in December 2009)

- Ref. CRP.3.NOV07.2 2007/08: "Development of an Evaluation Model for Commercialisation of Acquired Radical Innovation in Small- and Medium-Sized Enterprises in the Caribbean", (Awarded: TT\$68,595; Completed December 2012)
- Ref. CRP.3.MAR13.35 2012/13: "Development of a BPM Approach for Mapping Process Improvement at The Office of Graduate Studies and Research", (Awarded: TT\$75,000.00; Completed August 2015)
- Ref. CRP.3.MAR14.35 2014: "A Comparative Study of the Oral Examination and Associated Procedures of MPhil and Doctorate Theses at the UWI St Augustine Campus", (Awarded: TT\$71,744.00; Completed July 2016)
- Ref. CRP.10.MAR.15.40 2015: "A Pilot Study of the Thesis Tracker System Implementation at the UWI St Augustine Campus", (Awarded: TT\$36,350.00; Completed July 2017)
- Ref. CRP.10.MAR16.45 2016: "Expanding the Online Interface of The West Indian Journal of Engineering to Foster Engineering Research and Publication in the Caribbean", (Awarded: TT\$75,00.00; *On-going*)
- Ref. CRP.3.NOV17.5: "Investigating into Quality Management Practices of Industrial enterprises in Trinidad and Tobago: Preparing and Consolidating Materials for a Casebook Publication", Awarded: TT\$30,000.00; Commenced January 2018; *On-going*)
- Collaborative Research Project: "Writing an Industrial Engineering Text/Case Book"; *On-going*)

PUBLICATIONS AND EDITORIAL

- Published more than 130 journal papers and 110 refereed conference papers, authored 8 books/book chapters, and edited over 40 issues of journals and conference proceedings, as well as delivered many talks and presentations
- As at June 12, 2019, there were more than 4,609 citations of my publications, and the 'h-index' was 38 and the 'i10-index' was 58 (source: <http://scholar.google.com/>).
- Editor, *The Journal of The Associations of Professional Engineers of Trinidad and Tobago*, (ISSN 1000-7924) (since January 2007)
- Editor, *The West Indian Journal of Engineering* (ISSN 0511-5728) (since January 2011)
- Editorial Board Member, *The Asian Journal on Quality* (ISSN 1598-2688) (since January 2002)
- Editorial Board Member, *International Journal of Quality and Standards* (ISSN 1753-9439)(2006)
- Editorial Board Member, *International Journal of Advanced Operations Management* (ISSN 1758-938X) (since January 2008)
- Editorial Board Member, *The Learning Organisation - An International Journal* (ISSN 0969-6474) (since January 2012)
- Editorial Board Member, *Production Planning and Control* (ISSN 0953-7287) (since January 2016)

SELECTED 30 PUBLICATIONS

1. Pun, K.F., Chin, K.S., and Lau, H. "A self-assessed quality management system based on integration of MBNQA/ISO 9000/ISO 14000", *International Journal of Quality & Reliability Management*, Vol.16, No.6, 1999, pp.606-629 (ISSN 0265-671X; 2015 RG Journal impact 1.20; Citations 99)
2. Pun, K.F., Chin, K.S. and Lau, H., "A QFD/hoshin approach for strategy deployment: a case study", *Managing Service Quality. An International Journal*, Vol.10, No.3, 2000, pp.156-169 (ISSN 0960-4529; Current Impact Factor: 1.054; Citations: 91)
3. Pun, K.F., Chin, K.S. and Lau, H., "A review of Chinese cultural influences on Chinese enterprise management", *International Journal of Management Reviews*, Vol.2, No.4, December 2000, pp.325-338 (ISSN 1468-2370; 2012 Impact Factor: 3.3333; Citations: 136)
4. Pun, K.F., Chin, K.S. and Gill, R., "Determinants of employee involvement practices in manufacturing enterprises", *Total Quality Management*, Vol.12, No.1, January 2001, pp.95-109 (ISSN 1478-3363; 2015 RG Journal impact 1.21; Citations: 104).
5. Pun, K.F., "Cultural influences of TQM adoption in Chinese enterprises: an empirical study", *Total Quality Management*, Vol.12, No.3, May 2001, pp.323-342 (ISSN 1478-3363; 2015 RG Journal impact 1.21; Citations: 151).
6. Hui, I.K., Chan, A.H.S. and Pun, K.F., "A study of the environmental management system

- implementation practices", *Journal of Cleaner Production*, Vol.9, No.3, June 2001, pp.269-276 (ISSN 0959-6526; 2015 RG Journal impact 5.84; Citations: 165)
7. Chin, K.S. and Pun, K.F., "A proposed framework for implementing TQM in Chinese organisations", *International Journal of Quality and Reliability Management*, Vol.19, No.3, 2002, pp.272-294 (ISSN 0265-671X; 2015 RG Journal impact 1.20; Citations: 165)
 8. Pun, K.F., "Development of an integrated TQM and performance measurement system for self-assessment: a method", *Total Quality Management*, Vol.13, No.6, September 2002, pp.759-777 (ISSN 1478-3363; 2015 RG Journal impact 1.21; Citations: 76).
 9. Chin, K.S., Pun, K.F., Xu, Y. and Chan, J.S.F., "An AHP based study of critical factors for TQM implementation in Shanghai manufacturing industries", *Technovation*, Vol.22, No.11, November 2002, pp.707-715 (ISSN 0166-4972; 2015 RG Journal impact 3.58; Citations: 158)
 10. Pun, K.F., Chin, K.S., Chow, M.F. and Lau, H.C.W., "An effectiveness-centered approach to maintenance management: a case study", *Journal of Quality in Maintenance Engineering*, Vol.8, No.4, 2002, pp.346-368 (ISSN 1355-2511; 2015 RG Journal impact 1.19; Citations: 68)
 11. Pun, K.F., Hui, I.K., Lau, H.C.W., Law, H.W., and Lewis, W.G., "Development of an EMS planning framework for environmental management practices", *International Journal of Quality & Reliability Management*, Vol.19 No.6, 2002, pp. 688-709 (ISSN 0265-671X; 2015 RG Journal impact 1.20; Citations 76)
 12. Pun, K.F. and Hui, I.K., "Integrating the safety dimension into quality management systems: a process model", *Total Quality Management*, Vol.13, No.3, 2002, pp.373-391 (ISSN 1478-3363; 2015 RG Journal impact 1.21; Citations: 72)
 13. Pun, K.F., Hui, I.K., Lau, Lewis, W.G., and H.C.W., "A multiple-criteria environmental impact assessment for the plastic injection molding process: a methodology", *Journal of Cleaner Production*, Vol.11, No.1, February 2003, pp.41-49 (ISSN 0959-6526; 2015 RG Journal impact 5.84; Citations: 47)
 14. Lau, H.C.W., Wong, C.W.Y., Hui, I.K. and Pun, K.F., "Design and implementation of an integrated knowledge system", *Knowledge-based Systems*, Vol.16, No.2, March 2003, pp.69-76 (ISSN 0950-7051; 2016 Impact Factor: 4.529; Citations: 73)
 15. Chin, K.S., Pun, K.F. and Lau, H.C.W., "Development of a knowledge-based self-assessment system for organisational performance", *Expert Systems with Applications*, Vol.24, No.4, March 2003, pp.443-455 (ISSN 0957-4174; 2015 RG Journal impact 4.68; Citations: 70)
 16. Yam, R.C.M., Guan, J.C., Pun, K.F., and Tang, E.P.Y., "An audit of technological innovation capability of Chinese firms: some empirical findings in Beijing, China", *Research Policy*, Vol.33, No.8, October 2004, pp.1123-1140 (ISSN 1541-1338; 2015 RG Journal impact 5.68; Citations: 603)
 17. Pun, K.F., "A conceptual synergy model of strategy formulation for manufacturing", *International Journal of Operations & Production Management*, Vol.24, No.9, 2004, pp.903-928 (ISSN 0144-3577; 2015 RG Journal impact 3.93; Citation: 62)
 18. Pun, K.F., Chin, K.S., White, A.S. and Gill, R., "Determinants of manufacturing strategy formulation: a longitudinal study in Hong Kong", *Technovation*, Vol.24, No.2, 2004, pp.121-137 (ISSN 0166-4972; 2015 RG Journal impact 3.58; Citations: 37)
 19. Pun, K.F. and White, A.S., "A performance measurement paradigm for integrating strategy formulation: a review of systems and frameworks", *International Journal of Management Reviews*, Vol.7, No.1, 2005, pp.25-46 (ISSN 1468-2370; 2012 Impact Factor: 3.3333; Citations: 269)
 20. Lewis, W.G., Pun, K.F. and Lalla, T.R.M., "An AHP-based study of TQM benefits in ISO 9001 certified SMEs in Trinidad and Tobago", *The TQM Magazine*, Vol.17, No.6, 2005, pp. 558-572 (ISSN: 0954-478X; RG Journal Impact: 1.22; Citation: 65)
 21. Pun, K.F., "Determinants of environmentally responsible operations: a review", *International Journal of Quality and Reliability Management*, Vol.23, No.3, 2006, pp.279-297 (ISSN 0265-671X; 2015 RG Journal impact 1.20; Citations: 89).
 22. Guan, J., Mok, C.K., Yam, R.C.M., Chin, K.S. and Pun, K.F., "Technology transfer and innovation performance: evidence from Chinese firms", *Technological Forecasting and Social Change*, Vol.73, No.6, 2006, pp.666-678 (ISSN 0040-1625/ OCLC 39284265; 2016 Impact Factor: 3.226; Citations: 174)
 23. Lewis, W.G., Pun, K.F. and Lalla, T.R.M., "Exploring soft versus hard factors for TQM implementation in small and medium-sized enterprises", *International Journal of Productivity and Performance Management*, Vol.55, No.7, 2006, pp.539-554 (ISSN 1741-0401; 2015 RG Journal impact 2.24; Citations: 186)

24. Lewis, W.G., Pun, K.F. and Lalla, T.R.M., "Empirical investigation of the hard and soft criteria of TQM in ISO 9001 certified small and medium-sized enterprises", *International Journal of Quality and Reliability Management*, Vol.23, No.8, October 2006, pp, 964-985 (ISSN 0265-671X; 2015 RG Journal impact 1.20; Citations: 114)
 25. Law, W.K., Chan, A.H.S. and Pun, K.F., "Prioritising the safety management elements: a hierarchical analysis for manufacturing enterprises", *Industrial Management & Data Systems*, Vol.106, No.6, June 2006, pp.778-792 (ISSN: 0263-5577; 2015 RG Journal impact 2.04; Citations: 78)
 26. Chin, K.S., Yeung, I.K. and Pun, K.F., "Development of an assessment system for supplier quality management", *International Journal of Quality and Reliability Management*, Vol.23, No.7, 2006, pp.743-765. (ISSN: 0265-671X; 2015 RG Journal impact 1.20; Citations: 48)
 27. Pun, K.F., Chin, K.S. and Yiu, M.Y.R., "An AHP approach to assess new product development performance: an exploratory study", *International Journal of Management Science and Engineering Management*, Vol.5, No.3, 2010, pp.210-218 (ISSN 1750-9653; Citations: 15)
 28. Pun, K.F. and Nathai-Balkissoon, M., "Integrating knowledge management into organisational learning: A review of concepts and models", *The Learning Organisation*, Vol.18, No.3, 2011, pp.203-223 (ISSN 0969-6474; 2015 RG Journal impact 1.65; Citations: 66)
 29. Pun, K.F. and Jaggernath-Furlonge, S., "Impacts of company size and culture on quality management practices in manufacturing organisations: an empirical study", *The TQM Journal*, Vol.24, No.1, 2012, pp.83-101 (ISSN 1754-2731; 2015 RG Journal impact 0.97; Citations: 24)
 30. Pun, K.F. and Yiu, M.Y.R., "Assessing organisational KM performance based on the criteria of total quality management", *Decision Management: Concepts, Methodologies, Tools, and Applications*, Information Resources Management Association (USA)/IGI Global, ISBN 13: 9781522518372, January 2017, Chapter 78, pp.1663-1684 (Citation: 3)
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