

Anthony K. Cheetham FRS

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Date and place of Birth: 16th Nov. 1946; Stockport, U.K. (UK and US citizen)

Education

St. Catherine's College, Oxford 1965/69
Honorary Scholar (1968), B.A. (Class 1) in Chemistry (1969)

Wadham College, Oxford, Senior Scholar 1969/71
Doctorate Research under Prof. Sir Brian Fender. M.A., D.Phil. (1972).

Academic Appointments

Lincoln College, University of Oxford 1971-74
E.P. Abraham Cephalosporin Junior Research Fellow.

University of Oxford
University Lecturer in Chemical Crystallography 1974-90
Reader in Inorganic Materials 1990-91
Tutor in Inorganic Chemistry, Christ Church 1974-91
Emeritus Student (Fellow), Christ Church 1991-present

Arizona State University
Visiting Professor, Fulbright Scholar 1977

University of California, Berkeley
Visiting Associate Professor 1979

Royal Institution, London
Visiting Professor of Solid State Chemistry. 1986-2000

University of California, Santa Barbara
Professor of Materials and Professor of Chemistry (Abovescale) 1991-2007
Director, Materials Research Laboratory 1992-2004
Director, International Center for Materials Research 2004-2007
Emeritus Professor of Materials and Chemistry 2007-present

University of Cambridge
Goldsmiths' Professor of Materials Science 2007-present
Professorial Fellow, Trinity College 2007-present

Other Appointments

Director, General Funds Investment Trust plc, 1983-7
Senior Scientific Advisor, Catalytic Solutions Inc., 1996-2007
Science Advisor to the Board of Unilever, 2000-2008
Co-Founder & Advisor, NGen Enabling Technologies Fund, 2001-2007
Science Advisor to H.H. Sheik Saud, Ruler of Ras al Khaimah, UAE, 2007-present
Science Advisor to Deutsche Bank Asset Management (2009-2012)
Royal Society Enterprise Fund Board (2010-present, Chair 2012-present)
Royal Society Trading Ltd. (Chair, 2011-present)

Major Awards & Honors

1977 Fulbright Scholarship (Arizona State University)
1981 Visiting Foreign Scientist (American Chemical Society)
1982 Corday-Morgan Medal (Royal Society of Chemistry, London)
1988 Solid State Chemistry Award (Royal Society of Chemistry, London)
1994 Visiting Professor & Distinguished Lecturer, University of Sydney
1994 Elected Fellow of the Royal Society, London
1996 Structural Chemistry Award (Royal Society of Chemistry, London)
1997 Chaire Internationale de Recherche, Blaise-Pascal, Paris (1997-9)
1997 Elected Foreign Member of Pakistan Academy of Sciences
1998 Elected Foreign Member of National Academy of Sciences of India
1998 Elected Fellow of the Academy of Sciences of the Developing World (TWAS)
1999 Elected Member of the Academy of Ceramics
1999 Distinguished Fellow, Nehru Center for Advanced Scientific Research, Bangalore
2001 Elected Honorary Fellow of the Indian Academy of Sciences
2001 International Chair Francqui, Brussels (2001-2)
2002 Bonner Chemiepreis, Univ. Bonn
2004 Somiya Award of the IUMRS (with Prof. C.N.R. Rao)
2006 Docteur Honoris Causa, Université de Versailles St. Quentin-en-Yvelines
2007 Royal Society Wolfson Research Merit Award (2007-2012)
2008 Elected Foreign Member of Mongolian Academy of Sciences
2008 Royal Society Leverhulme Medal
2008 European Research Council Advanced Investigator Award (2008-2013)
2009 Elected Member of the Academia Europaea
2010 Elected member of the Council of La Maison de la Chimie, Paris
2011 Trustee, Koerber European Science Award
2011 Elected Member of the German National Academy of Sciences (Leopoldina)
2011 Platinum Medal of the Institute of Materials, Minerals and Mining
2011 Raman Chair, Indian Academy of Sciences
2011 Honorary DSc, University of St. Andrews
2011 Honorary DSc, Tumkur University, India
2011 TWAS Medal Lecturer (Academy of Sciences for the Developing World)
2012 Nyholm Prize for Inorganic Chemistry (Royal Society of Chemistry, London)
2012 Honorary Fellow, Jawaharlal Nehru Centre for Advanced Scientific Research
2012 Treasurer and Vice-President, The Royal Society
2013 Elected Member of the German National Academy of Science and Engineering (acatech)
2014 Chemical Pioneer Award, American Institute of Chemists
2014 Humboldt Research Award, Germany
2014 Elected Fellow of the American Academy of Arts and Sciences
2015 Honorary DSc, University of Warwick

Named Lectures

1995 Kilpatrick Lecturer, Illinois Institute of Technology
2002 Maddin Lecturer, University of Pennsylvania
2003 Professor C.N.R. Rao Lecture Award; Chemical Research Society of India
2003 Humphry Davy Prize Lectureship of the Royal Society (at French Academy of Sciences)
2005 Distinguished Summer Lecturer, Northwestern University
2006 Oakley R. Vail Lecturer, Wake Forest University
2008 Cheetham Lecturer, University of California, Santa Barbara
2008 Herron Lecturer, Florida State University
2008 Staudinger-Durrer Lecturer, ETH Zurich
2011 Hirsch Lecturer, University of Oxford
2011 Zernike Colloquium, University of Groningen
2012 Cariscience Lecturer; Jamaica, Barbados and Trinidad
2013 Earl Muetterties Memorial Lecturer, UC Berkeley
2014 McBain Memorial Lecturer, National Chemical Laboratory, Pune, India

2014 Rutherford Memorial Lectures (in Pretoria and Cape Town)
 2015 Professor C.N.R. Rao Distinguished Lecture in Nanoscience; IITB, Mumbai
 2015 Linus Pauling Lecturer, Oregon State University
 2015 Xingda Lecturer, Peking University
 2015 Foreign Famous Master Lecture, Tsinghua University
 2016 Davison Lecturer, MIT

National and International Advisory Boards

Member, Scientific Advisory Board, Max-Planck-Institut für Festkörperforschung, Stuttgart (1999-2010)
 Member, Scientific Advisory Board, Center for Advanced Interdisciplinary Research in Materials Science, Universidad de Chile, Santiago (2000-8))
 Member, Scientific Advisory Board, Materials Creation Training Program IGERT, UCLA (2002-6)
 Member, Scientific Advisory Board, National High Magnetic Field Laboratory, Florida (2003-7)
 Member, International Advisory Board, CSIRO Division of Manufacturing & Infrastructure Technology, Australia (2003-6)
 Member, Scientific Advisory Board, Department of Chemistry, Southampton, UK (2004 - 2009)
 Member, Scientific Advisory Board, African Institutes for Science and Technology (2004-2008)
 International Advisory Board, National Institute for Materials Research, Tsukuba, Japan (since 2006)
 Member, Scientific Advisory Board, Department of Chemistry, UCL, UK (2006-2010)
 Member, Scientific Advisory Board, ICMS, Bangalore (since 2008)
 Member, President's Advisory Council, King Abdulla University of Science and Technology, Saudi Arabia (since 2010)
 Member, Scientific Advisory Board, Molecular Foundry, Lawrence Berkeley National Laboratory (since 2012)
 Member, Scientific Advisory Board, Max-Planck-Institut für Chemische Physik fester Stoffe, Dresden (since 2013)
 Member, Scientific Advisory Board for Chemistry, IISER Pune (since 2014)

Membership of professional societies

Royal Society of Chemistry, C.Chem., FRSC	1976-present
Fellow, Institute of Materials, Minerals and Mining	2008-present

Professional service

L'Institut Laue-Langevin, Grenoble	
Sub-committee (Structure, Magnetism)	1983-85, 1985-88
Scientific Council	1988-91
Rutherford-Appleton Laboratory, Spallation Neutron Source	
Chairman, HRPD Users' Group	1983-88
Chairman, SNS Science Planning Group	1985-86
ISIS Science Advisory Committee	1986-91
Chairman, Beam Allocation Panel	1988-91
European Synchrotron Radiation Facility, Grenoble	
Planning Cttee on Diffraction Instruments	1989-91
Science and Engineering Research Council	
Neutron Beam Research Cttee	1988-91
Interfaces and Catalysis Initiative	1988-91
LINK Management Cttee on New Catalysts	1989-91
Argonne National Laboratory	

IPNS Program Advisory Cttee	1991-96
Los Alamos National Lab. LANSCE Advisory Cttee	1992-96
Department of Energy (through Lawrence Berkeley Lab)	
Pulsed Source Steering Cttee	1994-95
Los Alamos National Laboratory	
Chair; Review of Center for Mat. Sci.	1996
MacMaster University, Canada	
Member; Review of Brockhouse Institute	1996
Brookhaven National Laboratory	
High Flux Beam Reactor, Prog. Adv. Cttee	1996-2000
Oak Ridge National Laboratory, Spallation Neutron Source	
Advisory Cttee	1996-2000
Materials Research Society, Member of Council	1999-2001
Los Alamos National Lab. LANSCE DRC	2002-2006
Board of Electors to the Professorship in Inorganic	
Chemistry at Oxford University	2002-3
Science Initiative Group, Princeton, Advisory Committee	2007-present
Chair, External Evaluation Committee, WPI-MANA, NIMS,	
Tsukuba, Japan	2007-present
Royal Society Investment Committee	2008-present
Royal Society Audit Committee	2009-2012
Board of Electors to the Isaac Wolfson Professorship of	
Materials Science at Oxford University	2009-2010
Scientific Advisory Council, Diamond Light Source	2010-2012
Royal Society Development Board (now Ext. Adv. Board)	2010-present
Royal Society Finance Committee (Chair)	2010-present
Royal Society Investment Committee (Chair)	2010-present
Royal Society Council	2010-present

Editorial Boards (current)

APL Materials, Editorial Board
RSC Materials Horizons, Editorial Board
Science and Technology of Advanced Materials, Associate Editor

Former Graduate Students and their current whereabouts (* indicates Faculty members)

From Oxford:

*P. D. Battle - University of Oxford	J. M. Newsam – F-Cubed, San Diego
D. A.O. Hope - Qinetiq	A. J. S. Chowdhury – Univ. of Oxford
A. R. Rae-Smith - Micro Consultants	S. K. E. Forghany - University of Delft
*W. T. A. Harrison - Univ. of Aberdeen	D. M. Thomas - C.E.G.B.
*J. P. Attfield FRS - University of Edinburgh	A. K. Nowak - Shell, Amsterdam
J. M. C. Taylor - Univ. of London	*J. D. Gale – Curtin University, Australia
*C. P. Grey FRS – University of Cambridge	S. J. Crennell - University of Bath
J. K. Warner - Sydney	A. T. Ashcroft - Unilever plc
P. J. Astell-Burt - De Beers	R. J. B. Jakeman - ICI, Paints Div.
P. W. Betteridge - Chemical Design Ltd.	M. M. Eddy - STI, Santa Barbara, CA
*P. Lightfoot - Univ. of St. Andrews	P. M. Banks - IBM (UK) Ltd.
*M. J. Rosseinsky FRS - Univ. of Liverpool	C. J. J. den Ouden - Shell, Amsterdam
*A. P. Wilkinson - Georgia Tech., GA	*R. E. Morris - Univ. of St. Andrews
L. M. Bull - Chevron-Texaco (deceased)	N. J. Henson - Los Alamos Nat. Lab., NM

From UC Santa Barbara:

*M. P. Attfield – Univ. Manchester	J. J. Owen - Borax, CA
V. Moravetski - TMA, Inc., Palo Alto	*L. Smith – Clarke University, MA

G. Vitale – Intervep, Venezuela
A. M. dos Santos – Oak Ridge Natl. Lab.
S. J. Weigel - Air Products, PA
B. A. Adair - Catalytica, Inc., CA
Kinson Kam – Haldor Topsøe
R. K. Feller – BASF (USA)
C. A. Merrill- Not known
Z. Hulvey - Univ. Nevada, Las Vegas

From Cambridge:

I. Etchart – St. Gobain, Boston
T. D. Bennett – University of Cambridge
H. H. M. Yeung – NIMS, Tsukuba, Japan
S. Cao – Johnson Matthey plc
S. Kaveh – University of Cambridge

Former Post Docs and their current whereabouts (* indicates Faculty members)

*B. R. Albert – Darmstadt
*A. Chippindale – Reading
*J. A. Hriljac - Univ. Birmingham
*U. Ruschewitz - U. Köln
S. Neeraj – 3M, MN
*S. M. Auerbach - UMass. MA
J.-C. Gabriel – CEA, Grenoble
*C. F. Mellot – Collège de France, Paris
*N. Stock - Univ. Kiel
Michaela Klotz - St. Gobain, Paris
Ronan Le Toquin – Cree Lighting, NC
G. Gundiah – Lawrence Berkeley NL
L. Appelhans – Sandia National Lab, NM
*D. Eder – Univ. Münster
P. J. Saines – Univ. of Oxford
*W. Li, Huazong Univ. Sc. & Tech., China
S. Tominaka, NIMS, Tsukuba, Japan
*J. Foster, Univ. Sheffield

*B. J. Campbell - Brigham Young Univ. UT
*S. E. Hayes - Washington Univ, MO
G. Nery – Weizmann Inst., Israel
*P. M. Forster – Univ. Nevada at Las Vegas
K. Page - Los Alamos Nat. Lab., NM
*E. E. Rodriguez – Univ. Maryland
P. Jain – Los Alamos Nat. Lab., NM

J. D. Furman – UC Berkeley (studying law)
A. Kalaji – Argonne National Laboratory
R. P. Burwood – University of Cambridge
P. J. Beldon – University of Waterloo, Canada
*A. L. Smith - T. U. Delft

S. Ayyappan - Univ. Louisiana
*Q. Gao - Chin. Acad. Sci., Shanghai
*S. Natarajan - IISc, Bangalore
*M. Terrones – Penn. State Univ.
*Dae-Sung Kim – Seoul Univ., South Korea
Jong-San Chang - KRICT, South Korea
*S. J. Hibble - Reading
B. K. Peterson – Exxon Mobil, NJ
S. C. Weston - Exxon-Mobil, NJ
J. Gomm – Santa Barbara High School, CA
F. Chéviré – CNRS, Nantes
P. Simoncic – Univ. Bern, Switzerland
*E. Falcao, Univ. Forteleza, Brazil
*J.-C. Tan, Univ. of Oxford
*A. Thirumurugan, IISER Trivandrum
M. J. Wharmby – Diamond Light Source
S. Henke, Ruhr-Univ, Bochum
J.-H. Lee, UC Berkeley

Publications

600 publications in refereed journals (Web of Science Core Database) with >27,000 citations (h index = 82), plus six books, many chapters, and several US patents.