

CURRICULUM VITAE

Paul C. W. Chu
Professor of Physics,
T. L. L. Temple Chair of Science, and
Founding Director and Chief Scientist, TCSUH
University of Houston

EDUCATION

B.S.	Cheng-Kung University	Taiwan, ROC	1958-1962
M.S.	Fordham University	Bronx NY	1963-1965
Ph.D.	University of California	San Diego CA	1965-1968

FIELD OF STUDY

Experimental Solid State Physics: Superconductivity, Magnetism and Dielectrics

PROFESSIONAL EXPERIENCE

Adjunct Professor of Physics, Sharif University of Technology, Tehran, Iran,
2014-present

Honorary Chancellor, Taiwan Comprehensive University System, 2012-present

Founding Director & Chief Scientist, Texas Center for Superconductivity at the
University of Houston, 2011-present

President Emeritus and University Professor Emeritus, Hong Kong University of
Science and Technology, 2009-present

Founding Director, Institute for Advanced Study, Hong Kong University of
Science and Technology, 2006-present

Executive Director, Texas Center for Superconductivity at the University of
Houston, 2005-2011

Guest Scientist, Lawrence Berkeley National Laboratory, 2005-present

Convener, Heads of Universities Committee, Hong Kong, 2003-2004

President and Professor of Physics, Hong Kong University of Science and
Technology, 2001-2009 (voted eight times as the best university president in
Hong Kong for overall performance in 2002-2009)

Principal Investigator, Lawrence Berkeley National Laboratory, 1999-2005

Director, National Science Foundation Materials Research Science and
Engineering Center on Advanced Oxides and Related Materials at the
University of Houston, 1996-1997

Visiting Miller Research Professor, University of California, Berkeley, 1991

Director, Texas Center for Superconductivity at the University of Houston, 1987-
2001

T. L. L. Temple Chair of Science, University of Houston, 1987-present

M. D. Anderson Chair of Physics, University of Houston, 1987-1989

Director, Solid State Physics Program, National Science Foundation, 1986-1987

Director, Space Vacuum Epitaxy Center, NASA/UH, 1986-1988

Director, Magnetic Information Research Laboratory, University of Houston,
1984-1988

Professor of Physics, University of Houston TX, 1979-present
Los Alamos Scientific Laboratory, Los Alamos NM, Visiting Staff Member,
1975-1980
Professor of Physics, Cleveland State University OH, 1975-1979
Associate Professor of Physics, Cleveland State University OH, 1973-1975
Stanford University, Stanford CA, Hansens Physics Laboratory, Visiting
Scientist, Summer 1973
Argonne National Lab, Argonne IL, Resident Research Associate, Summer 1972
Assistant Professor of Physics, Cleveland State University OH, 1970-1973
Member, Technical Staff, Bell Labs, Murray Hill NJ, 1968-1970
Research Assistant, University of California, San Diego CA, 1965-1968
Teaching Assistant, Fordham University, Bronx NY, 1963-1965
Second Lieutenant, Nationalist Chinese Air Forces, 1962-1963

HONORS

Founding Member, Academy of Sciences of Hong Kong (HKAS), 2015
Charter Fellow, National Academy of Inventors, 2013
Fellow, Hong Kong Institution of Science, 2011
Member, Honor Society of Phi Kappa Phi, 2010
Foreign Member, Russian Academy of Engineering, 2005
Member, The Academy of Medicine, Engineering and Science of Texas, 2004
Foreign Member, Chinese Academy of Sciences (PRC), 1996
Fellow, Texas Academy of Sciences, 1992
Member, Electromagnetic Academy, 1990
Member, American Academy of Arts and Sciences, 1989
Member, National Academy of Sciences, 1989
Member, The World Academy of Sciences (TWAS), 1989
Royal Society for the Encouragement of Arts, Manufactures, and Commerce
(RSA), 1989
Member, Academia Sinica (ROC), 1988
American Association for the Advancement of Science (AAAS), 1987
Fellow, American Physical Society, 1978

AWARDS

IEEE Milestone on “High-Temperature Superconductivity, 1987”, dedicated 2014
IEEE Council on Superconductivity Max Swerdlow Award for Sustained Service
to the Applied Superconductivity Community, 2014
International Leadership Foundation Inspirational Award, 2014
Recipient, Hong Kong Institution of Engineers Hall of Fame Award, 2010
Distinguished Visiting Chair Professorship, National Cheng Kung University,
Tainan, Taiwan, 2009
K. T. Li Professor Chair Award, National Cheng Kung University, Tainan,
Taiwan, 2009
One of 100 Influential Alumni, University of California, San Diego, Alumni
Association, 2009

Prize Ettore Majorana - Erice - Science for Peace 2007, Ettore Majorana Foundation and Centre for Scientific Culture, awarded 2008
Lifetime Achievement Award, Chinese Institute of Engineers (CIE-USA), 2008
Cha Distinguished Chair, Zhejiang University, Hangzhou, China, 2006
Achievement Award, Chinese Professional Club, 2006
One of Houston's Leaders and Legends, *H Texas Magazine*, 2006
Distinguished Lectureship sponsored by Applied Materials, Inc., National Cheng Kung University, Tainan, Taiwan, 2005
Cohen-Ofer Distinguished Lectureship on Experimental Physics, Hebrew University, Jerusalem, Israel, 2004
Invited Contributor, *Chemical & Engineering News* 80th Anniversary Special Issue on the Elements, 2003
Distinguished Lectureship, Taiwan Semiconductor Manufacturing Corporation, 2003
Distinguished Lectureship, Chien-Shiung Wu and Luck C. L. Yuan Natural Science Foundation, 2003
Certificate of Merit, National Awards Program, Adult Community Category, Freedoms Foundation at Valley Forge, 2001
Distinguished Achievement Award, Association of American-Chinese Professionals (AACP) Foundation, 2001
John Fritz Medal, American Association of Engineering Societies, 2001
Honoree, Alliance for Multicultural Community Services, 2000
Esther Farfel Award, University of Houston, 2000
One of the 20th Century's 100 Most Influential People in Gas and Electricity, *Century of Power, Hart Energy Markets*, 2000
Invited Contributor, National Millennium Time Capsule, 2000
Sharif University Award, 1999
Houston Hall of Fame Award, George Bush Intercontinental Airport, 1999
Distinguished Scientific Achievement Award, Washington DC Metropolitan Association of Chinese American Professionals, 1998
Bernd Matthias Prize, International Conference on Materials and Mechanisms of Superconductivity, High Temperature Superconductors, 1994
Superconductivity Award of Excellence in Scientific Accomplishments, World Congress on Superconductivity, 1994
St. Martin de Porres Award, 1990
Best Researcher in the US, *US News and World Report*, 1990
Texas Instruments Founders' Prize, 1990
Medal of Scientific Merit, World Cultural Council, 1989
International Prize for New Materials, American Physical Society, 1988
Comstock Award, National Academy of Sciences, 1988
Distinguished Alumnus Award, Cheng-Kung University, 1988
Houston Hall of Fame Award, Greater Houston Convention and Visitors Bureau, 1988
National Medal of Science, 1988
NASA Achievement Award, 1987

Leroy Randle Grumman Medal for Outstanding Scientific Achievement,
Grumman Corporation, 1987
Physical and Mathematical Science Award, New York Academy of Sciences,
1987
Distinguished Alumnus Award, University of California at San Diego, 1987
Sigma Xi Research Excellence Award, 1987
Faculty Research Award, University of Houston, 1987
Achievement Award, Chinese American Academic and Professional Association,
1987
Honorary Citizen of the State of Texas, 1987
Honorary Citizen of the City of Houston, 1987

HONORARY DOCTORATES AND POSITIONS

Honorary Professorship	National Tsinghua University, 2009
Honorary Doctorate	Loughborough University, 2007
Honorary Doctorate	University of Macau, 2006
Honorary Presidency	Jiaxing University, 2006
Honorary Doctorate	Providence University, 2005
Honorary Professorship	Dongnan University, 2003
Honorary Doctorate	Hong Kong Baptist University, 1999
Honorary Professorship	Nanjing University, 1996
Honorary Professorship	Chinese University of Science and Technology, 1991
Honorary Professorship	Nankai University, 1991
Honorary Doctorate	Whittier College, 1991
Honorary Doctorate	Florida International University, 1989
Honorary Doctorate	State University of New York at Farmingdale, 1989
Honorary Doctorate	Fordham University, 1988
Honorary Doctorate	Northwestern University, 1988
Honorary Doctorate	Chinese University of Hong Kong, 1988
Honorary Professorship	Zhongshan University, 1988
Honorary Professorship	Chinese Academy of Sciences, Physics Institute, 1979

ADVISORY BOARDS AND COMMITTEES

Member, Experiment Screening Committee, Section 33: Applied Physical
Sciences, National Academy of Sciences, 2017-present
Member, Sasakawa International Center for Space Architecture (SICSA) Internal
Advisory Committee, University of Houston, 2016-present
Panel Head, Judging Panel, Yidan Prize for Education Research, The Yidan Prize
Foundation, 2016-2018
Member, Intelligence Science and Technology Experts Group (ISTEG), National
Academies of Sciences, Engineering, and Medicine, 2015-2019
Member, Advisory Committee, International Research Collaboration on Physics of
Advanced Materials (IRPAM), Sharif University of Technology, Tehran, Iran, 2014-
present
Member, International Advisory Board, National Taiwan University, 2014-present

Member, Presidential Science Prize Steering Committee, National Science Council, Taiwan, Republic of China, 2014-2015

Member, Temporary Nominating Group for Foreign Associates, Class III, National Academy of Sciences, 2014-2016

Member, Review Panel, Brookhaven National Laboratory Condensed Matter and Materials Science Programs, U.S. Department of Energy, Division of Materials Science and Engineering, Office of Basic Energy Sciences, 2014

Member, Outside Review Committee, Materials Science and Engineering Graduate Program, University of California, San Diego, 2013-2014

Member, Selection Committee, The Tang Prize for Sustainable Development, Academia Sinica, 2013-2018

Member, Advisory Board, Scientists in International Context Program, Rice University, 2013-present

Co-Chair, Dean Search Committee, College of Natural Sciences and Mathematics, University of Houston, 2013

Member, Committee on Globalization of Science and Technology: Opportunities and Challenges for the Department of Defense (GSTOC), National Research Council, 2013-2014

Member, University Evaluation Committee, National Tsing Hua University, 2013-present

Member, O'Donnell Awards Selection Committee, The Academy of Medicine, Engineering and Science of Texas (TAMEST), 2012-2015

Overseas Chinese Expert Advisor, Overseas Chinese Affairs Office, Shanghai Municipal Government, China, 2012-present

Member, International Advisory Committee, Innovative Center for Frontier Sciences, Ministry of Education, China, 2012-present

Member, Science & Technology Development Advisory Board, National Science Council, Taiwan, Republic of China, 2012-2014

Convener, Search Committee for the Director, Institute of Physics, Academia Sinica, 2011-2012

Senior Member, Shenzhen (China) Municipal Science and Technology Advisory Committee, 2010-present

Member, International Advisory Committee, Japan Science and Technology Agency, 2010-2011

Member, Committee on Research Universities, National Research Council, 2010-2011

Member, Academic Advisory Committee, Research Center for Applied Sciences, Academia Sinica, 2010

Director, Board of Directors, Chiang Chen Industrial Charity Foundation (Hong Kong) Ltd., 2010-2019

Director, Board of Directors, Wu Ta-You Foundation, Taiwan, Republic of China, 2009-2018

Honorary Advisor, Hong Kong New Generation Cultural Association, 2009-2015

Member, Science & Technology Advisory Group (STAG) Board, Executive Yuan, Taiwan, Republic of China, 2009-2011

Honorary Advisor, Hong Kong Union for Young Leaders, 2009-2010

Member, Consultation Committee, Development Plan for World Class Universities and Research Centers of Excellence, Ministry of Education, Republic of China, 2009-present

Member, Selection Committee, American Physical Society's 2010 David Adler Lectureship Award, 2009-2010

Member, President's International Advisory Council, King Abdullah University of Science and Technology, 2009-2012

Member, Materials Science Review Panel, E. O. Lawrence Award, U.S. Department of Energy, 2009

Reviewer, Superconductivity Panel, Energy Frontier Research Centers, U.S. Department of Energy, 2009

Member, Advisory Committee, National Cheng Kung University, 2008-present

Member, Selection Committee, American Physical Society's 2009 David Adler Lectureship Award, 2008-2009

Member, Panel on Neutron Research, National Research Council, 2008-2009

Member, International Advisory Council, King Abdullah University of Science and Technology, 2008

Chairman, Academia Sinica, Institute of Physics, Advisory Committee, 2007-2010

Member, President's Committee on the National Medal of Science, 2007-2009

Member, Advisory Board, Aurora Imaging Technology, Inc., 2007-2012

Member, Executive Committee, Commission on Strategic Development, Hong Kong SAR Government, 2006-2009

Member, Business and Scientific Advisory Board, Britton Chance Center for Biomedical Photonics, Huazhong University of Science and Technology, Wuhan, China, 2006-present

Member, University Advisory Committee, National Tsing Hua University, 2006-2013

Member, Selection Committee, American Physical Society's 2007 Oliver E. Buckley Prize in Condensed Matter Physics, 2006-2007

Member, Advisory Board, Chinese Association for Science and Technology-Texas, 2006-2007

Member, Advisory Committee of Chinese Overseas Experts, Overseas Chinese Affairs Office, State Council, China, 2005-present

Member, Programme Advisory Committee, Institute for Advanced Studies, Nanyang Technological University, Singapore, 2005-present

Member, Selection Committee, American Physical Society's 2006 Oliver E. Buckley Prize in Condensed Matter Physics, 2005-2006

Member, International Advisory Committee, Japan Science and Technology Agency, 2005-2006

Member, President's Research Advisory Council, University of Houston, 2004-2007

Member, Selection Committee, National Academy of Sciences' 2005 John J. Carty Award for the Advancement of Science, 2004-2005

Member, Research Advisory Board, University of Texas at Dallas, 2004-2006

Member, Advisory Board, Center for Integrated Bio and Nano Systems at the University of Houston, 2004-present

Member, Founding Governing Board, The Academy of Medicine, Engineering and Science of Texas, 2004-2005

Member, Innovation and Technology Steering Committee, Hong Kong, 2003-2009
Member, Hong Kong Science and Technology Park, Board of Directors, 2003-2006
Member, Condensed Matter Experiment Screening Committee, National Academy of Sciences, 2003-2004
Member, Academia Sinica, Center of Applied Science and Engineering Research, Director Search Committee, 2002
Chairman, *ad hoc* Committee on Future National Energy, 2002
Member, Academia Sinica, Council, 2002-present
Member, Academia Sinica, Central Advisory Committee, 2002-present
Advisor, Area of Excellence Project on “Chinese Medicine Research and Further Development,” Hong Kong, 2001-2006
Chair, Matthias Prize Committee, International Conference on Materials and Mechanisms of Superconductivity and High Temperature Superconductors (M²S-HTSC), 2001-present
Chair, Academic Advisory Committee, Institute of Physics, Academia Sinica, 2001-present
Member, Applied Superconductivity Conference Board of Directors, 2000-2006
President, Applied Superconductivity Conference, 2000-2002
Member, S. S. Chern Foundation for Mathematical Research, Board of Directors, 2000-present
Member, T. S. Chang Scholarship Foundation, Board of Directors, 1999-present
Member, World Laboratory Pan American Center for Collaboration in Science and Technology, International Advisory Committee, 1998-2006
Member, Academia Sinica, Institute of Physics, Advisory Committee, 1997-2000
Member, State of Texas, Higher Education Coordinating Board, Advisory Committee on Research Planning (ACORP), 1997-2000
Member, State of Texas, Science and Technology Council, 1996-2002
Member, Hong Kong Baptist University, International Advisory Committee, 1995-2001
Member, Center for Nanoscale Science and Technology (Rice U), Scientific Advisory Board, 1995-present
Member, China-America Technology Corporation, International Advisory Board, 1995-present
Member, White House Advisory Committee on the Redesign of the Space Station, 1993
Member, University of Brasilia, International Centre of Condensed Matter Physics, Scientific Committee, 1993-2006
Section Co-Chairman, National Academy of Sciences, 1992-1995
Member, Research Advisory Committee, Institute for Technology and Strategic Research (ITSR), Washington DC, 1989
Member, White House *ad hoc* Review Panel on Long-Range Plan for Research and Development of Superconductivity, 1989
Member, American Physical Society, International Materials Prize Committee, 1988-1989
Member, Houston Museum of Natural Science and Burke Baker Planetarium, Board of Directors, 1989-1994

Member, Coalition for the Commercial Application of Superconductors (CCAS) [formerly Council on Superconductivity for American Competitiveness (CSAC)], Board of Directors, 1989-present
Member, Industrial Technology Research Institute (ITRI), Board of Directors, 1988-1991
Consultant, duPont, 1987-1988
National Academy of Sciences, Panel on High Temperature Superconductivity, 1987
Consultant, NASA Marshall Space Flight Center, Huntsville AL, 1982-1987
Co-Chairman, Vereschagin International Conference on High Pressure Physics and Technology, Moscow USSR, Solid State Physics Symposium, 1979
Consultant, Bell Laboratories, Murray Hill NJ, Summer 1978, 1975, 1973
Chairman, Organizing Committee, International Conference on High Pressure and Low Temperature Physics, 1977

JOURNAL EDITORIAL AND ADVISORY BOARDS

Materials Today Physics, Editorial Board, 2017-present
National Science Review (China), Advisory Board, 2013-2023
Physica C, Advisory Board, 2012-present
Jordan Journal of Physics, International Advisory Board, 2006-present
Applied Physics Review (Korea), International Advisory Editorial Board, 1998-2000
Science in China, Editorial Board, 1997-present
Chinese Science Bulletin, Editorial Board, 1997-present
Brazilian Journal of Physics, Editorial Board, 1995-present
News and Reviews of Physics in China Today, AIP Editorial Board, 1992-present
Applied Superconductivity, Editorial Board, 1992-1998
Materials Chemistry and Physics, International Advisory Board, 1992-2003
Indian Journal of Pure and Applied Physics, Editorial Board, 1992-present
High Technology Business, Editorial Board, 1988-1989
Modern Physics Letters B, Editorial Board, 1988-present
International Journal of Modern Physics B, Editorial Board, 1988-present

BOOKS EDITED

Proceedings of the 10th Anniversary HTS Workshop on Physics, Materials and Applications, ed. by B. Batlogg, C. W. Chu, W. K. Chu, D. U. Gubser and K. A. Müller (Singapore, World Scientific, 1996).
Proceedings of the 6th US-Japan Workshop on High Temperature Superconductivity, December 6-7, 1993, ed. by K. Salama, C. W. Chu and W. K. Chu (World Scientific, Singapore, 1994).
Proceedings of the 1992 TCSUH Workshop, HTS Materials, Bulk Processing, and Bulk Applications, edited by C. W. Chu, W. K. Chu, P.-H. Hor and K. Salama (Singapore: World Scientific, 1992).
Superconductivity, proceedings of the 4th International Conference on Modern Aspects of Superconductivity, Paris FRANCE, October 21-22, 1992, edited by C. W. Chu and J. Fink, Institute for Industrial Technology Transfer (IITT):

Technology Transfer Series, series editor, A. Niku-Kari, (Gournay-sur-Marne FRANCE, IITT-International, 1992).
Proceedings of the 1991 TCSUH Workshop, Physics and Mathematics of Anyons, edited by S. S. Chern, C. W. Chu and C. S. Ting (Singapore: World Scientific, 1991).
High Pressure and Low Temperature Physics, edited by C. W. Chu and J. A. Woolam (New York: Plenum Press, 1978).

ARTICLES

"Lasers" and "Superconductivity," *Funk and Wagnall's New Encyclopedia* (Funk and Wagnalls, 1982).
"Superconductivity," *McGraw-Hill Yearbook of Science and Technology*, 1989 (McGraw-Hill, 1989).
"Superconductivity, High Temperature," *Encyclopedia of Applied Physics*, vol. 20, edited by G. L. Trigg (New York: VCH, 1997).

Plus over 660 refereed articles in scientific journals