

NAI-CHANG YEH



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Contact Information

Professor of Physics
Fletcher-Jones Foundation Co-Director,
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Education

B.Sc., National Taiwan University (1983)
Ph.D. Massachusetts Institute of Technology (1988)

Professional Experience:

Dr. Yeh's principal research field is experimental condensed matter physics, with special emphasis on correlated electronic systems (*e.g.*, high-temperature superconductors, colossal magnetic perovskites), topological matter (*e.g.*, topological insulators and superconductors), spintronics, low-dimensional systems (*e.g.*, graphene, graphene nanoribbons, carbon nanotubes, nanoparticles and quantum dots), nanoscience and nanotechnology, scanning probe microscopy, energy research (*e.g.*, development of photovoltaic and fuel cells, supercapacitors), and precision measurements using superconducting cavity-stabilized oscillators.

Her professor honors include: Eminent Visiting Professor, Universiti Brunei Darussalam (UBD), Brunei (2014–2015); Visiting Chair Professor, Center for Nano and Micro Mechanics (CNMM), Tsinghua University, Beijing, China (2012–2014); Wu Chien-Shiung Distinguished Lectureship, National Central University, Taiwan (2012); Fellow, American Association for the Advancement of Science (2007); Fellow, American Physical Society (2004); Distinguished Alumni Award, Department of Physics, National Taiwan University (2003); Fellow, The Institute of Physics, UK (2001); Achievement Awards, Southern California Chinese-American Faculty Association (2001); Outstanding Young Researcher Award, International Organization of Chinese Physicists and

Astronomers (OCPA) (1998); Packard Fellowship for Science and Engineering (1992–1997); and Sloan Research Fellowship (1990–1992).

Professor Yeh has also served on many national and international committees and professional activities. Some of her recent roles include: Handling Editor, Reviews in Physics, Elsevier, The Netherlands, (2015–present); President, International Organization of Chinese Physicists and Astronomers (OCPA) (2013–2014); International Advisor, Tsien Excellence in Education Program (TEEP), Tsinghua University, Beijing, China, (2014–present); Member, International Advisory Committee, Chinese High Magnetic Field Laboratory (CHMFL), (2009–present); Member, International Advisory Board, Taiwan Comprehensive University System, Taiwan (2013–present); Member at Large, Division of Condensed Matter Physics, American Physical Society, USA (2011–2014); Member, Presidential Science Prize Selection Committee (Physical Sciences), Taiwan (2011, 2013, 2015); Member, Presidential Search Committee, National Taiwan University, (July 2012–March 2013); Honorary Member, Institute of Theoretical and Applied Physics, Turkey, (2010–present); Member, Scientific Advisory Board, Center of Electronic Correlations and Magnetism, University of Augsburg, Germany (2008–present); Member, External Advisory Committee, National High Magnetic Field Laboratory (NHMFL), USA, (2004– present).