

CURRICULUM VITAE

Name: Fai Ma
Address: Department of Mechanical Engineering
University of California
Berkeley, California 94720-1740
Telephone: 510-643-6527
E-mail: fma@me.berkeley.edu
Citizenship: United States, naturalized in 1988

Education

B.S., University of Hong Kong, Pokfulam Road, Hong Kong, 1977
M.S., Engineering Science, California Institute of Technology, Pasadena, California, 1981
Ph.D., Applied Mathematics, California Institute of Technology, Pasadena, California, 1981

Professional Experience

Senior Research Engineer, Weidlinger Associates, Menlo Park, California, 1981-82
Research Staff Member, IBM Thomas J. Watson Research Center, Yorktown Heights, New York, 1982-83
Senior Engineer, Standard Oil Company, Cleveland, Ohio, 1983-86
Professor of Applied Mechanics, Department of Mechanical Engineering, University of California at Berkeley, 1986-present; Assistant Professor, 1986-90; Associate Professor, 1990-94; Member, UC Forest Products Laboratory, 1997-2004; Pacific Earthquake Engineering Research Center, 1997-present
Instructor in Mathematics, Caritas Educational Institute, Hong Kong, 1977
Engineer, Jet Propulsion Laboratory, Pasadena, California, 1979
Visiting Scholar, Oxford University, England, 1992; University of Stuttgart, Germany, 1993
Visiting Professor, Technical University of Hamburg-Harburg, Germany, 2002; Florida Atlantic University, 2005; North University of China, 2006; Harbin Institute of Technology, China, 2001, 2007
Consultant to industry, 1986-present

Fields of Specialization

Dynamical Systems with Inherent Uncertainties, Vibration, Stochastic Simulation

Awards and Honors

Scholarship for graduate study, California Institute of Technology, 1978-81
IBM Postdoctoral and Junior Faculty Research Fellowship in Mathematical Sciences, International Business Machines Corporation, 1982
Presidential Young Investigator Award, National Science Foundation, 1987
Young Investigator Research Award, Digital Equipment Corporation, 1987
Collacott Prize, Institution of Diagnostic Engineers, United Kingdom, 1991
Alexander von Humboldt Fellowship, Germany, 1992

Certificates of Appreciation, American Society of Mechanical Engineers, 1998 and 2000, for service to ASME Computers and Information in Engineering Division
Fulbright Senior Scholar Award for Germany, United States Department of State, 2002
Best Paper Award, American Society of Mechanical Engineers, 2003 ASME Computers and Information in Engineering Conference
Charles E. Schmidt Distinguished Visiting Professor, Florida Atlantic University, 2005

Scientific Writings

Author or co-author of more than 140 technical publications, with journal papers mainly in *ASME Journal of Applied Mechanics*, *International Journal of Nonlinear Mechanics*, *Journal of Applied Physics*; supervised 11 doctoral and 19 masters projects
Contributing Author, *Probabilistic Analysis and Related Topics*, Volume 3, Academic Press, New York, 1983

Editorships

Member of Editorial Board, *International Journal of Nonlinear Mechanics*, 1997-2001
Member of Editorial Board, *Uncertainties in Engineering Mechanics*, 2001-present
Series Editor, *Advances in Engineering*, Swets & Zeitlinger Publishers, The Netherlands, 1995-2003, co-edited 6 research monographs
Series Editor, *Vibration and Systems*, Resonance Publications, New York, 1999-present

Professional Societies and Committees

Fellow, American Society of Mechanical Engineers, 1999-present; Member, 1985-99
Life Member, Alexander von Humboldt Association of America, 1994-present
Chairman, Finite Element Techniques and Computational Technologies Committee, ASME Computers and Information in Engineering Division, 1997-2001; Vice-Chairman, 1995-97; Secretary, 1993-95
Session Chairman and Organizer, ASME Computers and Information in Engineering Conference, once a year in 1993-2007
Conference Co-Chairman, 6th International Symposium on Test and Measurement, 2005; 7th Symposium, 2007; Technical Program Co-Chairman, 3rd Symposium, 1999; 4th Symposium, 2001; 5th Symposium, 2003
Member of Board of External Examiners, Indian Institute of Science, Bangalore, 1995-99
External Examiner in Mechanical Engineering, University of Hong Kong, 2007-present
External Doctoral Advisor, Harbin Institute of Technology, China, 2003-present
Member of Board of Advisors, Center for Structures in Extreme Environments, Rutgers University, New Jersey, 2005-present

Listings in Restricted Directories

American Men and Women of Science, Dictionary of International Biography, United Who's Who Registry, Who's Who in America, Who's Who in American Education, Who's Who among Asian Americans, Who's Who in California, Who's Who of Emerging Leaders in America, Who's Who in Engineering Education, Who's Who in Finance and Business, Who's Who in Science and Engineering, Who's Who in the West