

Biographical Notes

Born in Hsinchu, Taiwan, November 19, 1936. B.S. Chemistry, 1959, National Taiwan University; M.S. Chemistry, 1961, National Tsinghua University; Ph.D. Chemistry, 1965, University of California, Berkeley (with B. H. Mahan). Postdoctoral Fellow, University of California (with B. H. Mahan), June 1965–January 1967; Research Fellow, Harvard University (with D. R. Herschbach), February 1967–September 1968. D.Sc. Hon. Caus.: University of Waterloo, Canada, 1986; Chinese Academy of Sciences, 1987; Chinese University of Hong Kong, 1989; Arizona State University, 1990; University of Rome, Italy, 1992; University of Southern California, Los Angeles, 1993; Cheng Kung University, Taiwan, 1994; Hong Kong Baptist University, 1994; Providence University, Taiwan, 1995; University of Maryland, 1996; International Technical University, San Jose, CA, 1996.

Assistant Professor, 1968–71, Associate Professor, 1971–72, and Professor, 1973–74, University of Chicago; Professor of Chemistry, 1974–91; Miller Professor, 1981–82; University Professor, 1991–94; and Graduate Professor, 1994–, University of California, Berkeley. Principal Investigator, Chemical Sciences Division, Lawrence Berkeley Laboratory, 1974–. President, Academia Sinica, Taipei, Taiwan, 1994–.

Member, Editorial Board: *Review of Scientific Instruments*, 1969–71; *Journal of Chemical Physics*, 1975–78; *International Journal of Chemical Kinetics*, 1976–84; *Laser Chemistry*, 1982–; *Journal of Energetic Materials*, 1983–; *Journal of Physical Chemistry*, 1984–87; *Chemical Physics Letters*, 1986–; *Chemical Physics*, 1986–; *Science Spectra*, 1994–.

Member: Chemistry Research Evaluation Panel, Air Force Office of Scientific Research, 1976–79; Visiting Committee for Chemistry, Brookhaven National Laboratory, 1977–80; Advisory Committee for International Molecular Beam Symposium, 1977–85; NAS-NRC Committees on Atomic and Molecular Science, 1980–84, on U.S. Army Basic Scientific Research, 1983–88, on Scope of the China Exchange Study, 1983–87, and on Opportunities for Research in Energy Conversion, 1987–; TRIUMP Experimental Evaluation Committee, 1983–85; Board of Directors, Synchrotron Radiation Research Center, Taiwan, 1983–; Visiting Committee for Chemistry, Harvard University, 1986–92; Welch Foundation Science Advisory Board, 1988–; Competitive Technology Advisory Committee, Assembly California Legislature, 1989–91; California Council on Science and Technology, 1990–; Secretary of Energy Advisory Board, 1990–92; Board of Directors, Chiang Industrial Charity Foundation, Hong Kong, 1990; President's Advisory Board, Hong Kong University of Science and Technology, 1991–92; Member, Board of Trustees: California Institute of Technology, 1990–; Chang Ron Fa Founda-

tion, Taiwan, 1991–; Condensed Matter Research Foundation, Taiwan, 1992–; Yuan Tseh Foundation for Science Education, Taiwan, 1994–; National Health Research Institute, Taiwan, 1995–; Chairman: Asilomar Conference on Dynamics of Molecular Collisions, 1978 and 1992; Advisory Committee, Institute of Atomic and Molecular Science, Academia Sinica, Taiwan, 1982–; Chancellor's Advisory Committee on Asian-American Affairs, University of California, Berkeley, 1987–89; Tan Kah Kee International Association, Hong Kong, 1992–; Board of Trustees, Foundation for the Advancement of Distinguished Scholars, Taiwan, 1994–; Educational Reform Council, Taiwan, 1995–96.

Alfred P. Sloan Fellow, 1969–71; Camille and Henry Dreyfus Teacher-Scholar, 1971–74; John Simon Guggenheim Fellow, 1976–77; Ernest O. Lawrence Award, 1981; Sherman Fairchild Distinguished Scholar, California Institute of Technology, 1983; Harrison Howe Award, 1983; Peter Debye Award, 1986; National Medal of Science, 1986; Nobel Prize in Chemistry, 1986; Golden Plate Award, American Academy of Accomplishment, 1987; Michelson Award (Chicago Museum of Science), 1987; Minnie Rosen Award (Ross University), 1987; Alumnus of the Year, University of California, 1988; Faraday Medal (Royal Society of Chemistry, London), 1992. Distinguished Accomplishment Award (Chinese Chemical Society, Taiwan), 1995.

External Member, Max Planck Institute for Stromungsforschung, Göttingen, 1988; Visiting Professor, University of Perugia, Italy, 1989; Tsing Kaiyin Distinguished Professor, National Taiwan University, 1991; Honorary Professor: Institute of Chemistry, Chinese Academy of Science (Beijing), 1980; Fudan University (Shanghai), 1980; Chinese University of Science and Technology (Hofei, Anhuei), 1986; Nanjing University (Nanjing), 1987; Nankai University (Tientsin), 1987; Beijing University (Beijing), 1988; Xiamen University (Xiamen), 1988; Fuzou Institute for the Structure of Matter (Fuzou), 1988; Bilkent University (Ankara, Turkey), 1993; National Taiwan University, 1994. Distinguished Anniversary Fellow, Australian National University (Canberra), 1996.

Fellow: American Academy of Arts & Sciences, 1975; American Physical Society, 1976; American Association for Advancement of Science, 1988; Photonics Society of Chinese-Americans (San Jose, CA), 1993. Member: National Academy of Sciences, 1979; Academia Sinica, 1980; American Chemical Society; International Academy of Sciences, 1995. Corresponding Member, Göttingen Academy of Sciences, 1988.

D. Herschbach