

CURRICULUM VITAE

Jay A. Labinger

EMPLOYMENT HISTORY

California Institute of Technology, Administrator, Beckman Institute, 1986-; Faculty Associate, Chemistry, 2006-; Member of the Professional Staff, Chemistry, 1986-Atlantic Richfield Company, Los Angeles, CA, Research Advisor, 1985-86; Principal Research Scientist, 1984-85; Senior Research Scientist, 1983-84

Occidental Research Corporation, Irvine, CA, Senior Research Chemist, 1981-83

University of Notre Dame, Assistant Professor, 1975-81

Princeton University, Instructor, 1974-75; Postdoctoral Research Associate, 1973-74

EDUCATION

B.S. (with distinction and departmental honors), *Harvey Mudd College, Claremont, CA, June 1968*

Ph.D. in chemistry, *Harvard University, Cambridge, MA, March 1974*

RESEARCH INTERESTS

Homogeneous and heterogeneous catalysis
Selective oxidation of hydrocarbons and conversion technology
Mechanistic organotransition metal chemistry
Literary and cultural aspects of science

OTHER PROFESSIONAL ACTIVITIES AND HONORS

Elected as **Fellow** of the *American Association for the Advancement of Science, 2009*

Special Achievement Award, *Occidental Research Corporation, 1983*; Elected to **Technical Career Program**, *Atlantic Richfield Company, 1985*

Associate Editor, *Chemical Reviews, 1979-81*; **Subject Editor**, *Dictionary of Organometallic Compounds, 1982-84*; **Managing Editor**, *CHEMTRACTS (Inorganic Edition), 1989-92*; **Volume Editor**, *Comprehensive Organometallic Chemistry, 1992-95*; **US Regional Editor**, *Journal of Molecular Catalysis, 1994-98*; **Co-Editor**, Special issue of *Proceedings of the National Academy of Science, 2006-7*; **International Scientific Advisory Board**, *Natural Gas Conversion Symposium, 2004-*

Invited Speaker at over 100 academic and industrial laboratories; and at over 40 national and international meetings, including:

Natural Gas Conversion Symposia, Sydney, Australia, 1993, Anchorage, 2001, Dalian, China, 2004 (Plenary Speaker); International Symposium on C₁ Reactions, Villeurbanne, France, 1991 and Sydney, Australia, 1993; Gas Research Institute Workshop on Methane Conversion, Paris, France, 1991; Methane Conversion Symposium, Port of Spain, Trinidad, 2005

NATO Workshops on Homogeneous Catalytic Oxidations, Galzignano, Italy, 1984; *Selective Activation of C-H and C-C Bonds in Saturated Hydrocarbons*, Bonas, France, 1987; *Advances And Challenges In The Catalytic Activation And Functionalization Of Light Alkanes*, Vilamoura, Portugal, 1997

Symposia at 15 ACS National Meetings, including *Methane Upgrading*, Atlanta, 1991 and San

Francisco, 1992; *Selective Oxidation of Alkanes*, Orlando, 2002; *Activation and Functionalization of C-H Bonds*, Orlando, 2002; *Homogeneous and Heterogeneous Oxidation Catalysis*, Philadelphia, 2004

NSF Organometallic Workshop, Rochester, NY, 1977 and La Jolla, CA, 1989; NSF Joint US-Brazil Workshop on Catalysis, Rio de Janeiro, Brazil, 1990

Gordon Research Conferences on Organometallic Chemistry, Newport, RI, 1990, 2000, 2009; Inorganic Chemistry, Henniker, NH, 1996

Annual Congress of the Royal Society of Chemistry, Warwick, England, 1986 and Hull, England, 1989; Sociedade Portuguesa de Química Annual Meeting, Lisbon, Portugal, 1992; Canadian Chemistry Conference, Saskatoon, 2005

National Academy of Sciences Government-University-Industry Research Roundtable, Washington, D.C., 1989; Science Peace Workshop, Southampton, England, 1997; History of Science Society (Plenary Panelist), Kansas City, 1998; Society for the Social Studies of Science, San Diego, 1999; Modern Languages Association, New York, 2003

Science Officer, Grants Advisory Council of the Beckman Foundation, 1990-2002; **Member**, 2000-2002

Professional Organizations: American Chemical Society (Southern California Local Section Chair-elect/Chair, 1999-2000); Society for Literature, Science and the Arts (Vice-President/President, 1999-2004); American Association for the Advancement of Science