

## **ROBERT W. CONN**

President and Chief Executive Officer  
The Kavli Foundation  
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email: [rconn@kavlifoundation.org](mailto:rconn@kavlifoundation.org)  
Also: Walter Zable Professor and Dean, Emeritus  
Jacobs School of Engineering, University of California, San Diego

### **Degrees, Honors and Awards**

- 1964 B.S. Pratt Institute (Chemical Engineering, Minors in Mathematics and Physics)
- 1965 M.S. California Institute of Technology (Mechanical Engineering)
- 1968 Ph.D. California Institute of Technology (Engineering Science)
- 1979 Outstanding Research Achievement Award, American Nuclear Society
- 1982 Elected Fellow, American Physical Society
- 1982 Elected Fellow, American Nuclear Society
- 1982 Curtis W. McGraw Research Award, American Association of Engineering Education
- 1982 Certificate of Appreciation, U.S. Department of Energy, Secretary of Energy
- 1984 Ernest O. Lawrence Memorial Award, presented on behalf of the President by the Dept. of Energy
- 1985 Best Paper Award, American Nuclear Society (with W. W. Wiffen)
- 1987 Elected Member, National Academy of Engineering
- 1992 Fusion Power Associates Leadership Award
- 1994 Distinguished Associate Award, U.S. Department of Energy, Secretary of Energy
- 1997 Distinguished Engineering Educator Award, Engineering Societies of San Diego
- 1998 Outstanding Leadership Award, Corporate Affiliates Program, U.C. San Diego
- 1998 Distinguished Alumni of the Year, California Institute of Technology

### **Career Positions**

- 1968-1969 National Science Foundation Postdoctoral Fellow, Joint European Center for Scientific Research, Ispra, Italy
- 1969-1970 Research Associate, Brookhaven National Laboratory, Upton, NY
- 1970-1980 Professor, Department of Nuclear Engineering and Engineering Physics, University of Wisconsin, Madison. (Associate Professor, 1970-75, Professor 1975-80.)  
Romnes Endowed Chair Professor, 1977-1980.
- 1972 Visiting Scientist, Argonne National Laboratory (June-September)
- 1974-1980 Director, Fusion Technology Institute, University of Wisconsin-Madison
- 1977 Visiting Scientist, Max-Planck Institute for Plasma Physics, Munich (June-Sept.)
- 1980-1993 Professor of Engineering and Applied Science, Department of Mechanical and Aerospace Engineering, University of California, Los Angeles (UCLA).
- 1983 Visiting Professor, Ben Gurion University of the Negev, Israel. (Sabbatical Leave)
- 1983 Visiting Senior Scientist, Forschungszentrum-Juelich, Germany (Sabbatical Leave)

- 1986-1994 Co-Founder, Chairman of the Board of Directors (1986-1993) and Chief Technologist, Plasma & Materials Technologies, Inc. (PMT), Chatsworth, CA. (PMT had an initial public offering on NASDAQ in 1995 and was later acquired.)
- 1986-1993 Founding Director, Institute of Plasma and Fusion Research (IPFR), UCLA.
- 1994-2002 Dean and Walter J. Zable Professor of Engineering Science, Irwin and Joan Jacobs School of Engineering, University of California, San Diego. (Professor, On Leave of Absence, 2002-2004.)
- 2000-2002 Chair, Institute Governing Board, California Institute for Telecommunications and Information Technology (Calit2), a joint institute of UC San Diego and UC Irvine. The Board was responsible for the proposal and initial oversight of Calit2. The Institute was approved and funded by the State of California, Industry, Foundations and Private Donors in 2001.
- 2002-present Member, External Advisory Board, California Institute for Telecommunications and Information Technology (Calit2). UC San Diego and UC Irvine.
- 2002-2008 Managing Director, Enterprise Partners Venture Capital (EPVC), La Jolla, CA.
- 2004-present Professor of Engineering Science, Emeritus, Irwin and Joan Jacobs School of Engineering, University of California, San Diego.
- 2009-present President and CEO, The Kavli Foundation, Member (Ex Officio), Board of Directors. Chair, Kavli Foundation Investment Committee.

### **Corporate Boards and Positions**

- 1986-1994 Member, Board of Directors (Co-Founder and Chairman, 1985-1993). Plasma & Materials Technologies, Inc. (PMT), Chatsworth, CA.
- 1997-2002 Member, Advisory Board, Mission Ventures, a venture capital firm in San Diego
- 2000-2015 Member, Board of Directors, Intersil Corp. (NASDAQ, ISIL), Milpitas, CA.
- 2002-2007 Member, Board of Directors, STATS-ChipPAC Corp. (ADR listed on NASDAQ). Stats-ChipPAC was acquired in 2007 by Temasek, the Singapore Government sovereign fund.
- 2003-2006 Member, Board of Directors, PathScale Inc. Mountain View, CA. (Enterprise Partners Venture Capital was an investor in PathScale, which was acquired in 2006 by QLogic Corp.)
- 2004-2008 Member, Board of Directors, Pivotal Systems, Inc. Pleasanton, CA. (Privately held, Enterprise Partners Venture Capital is an investor in Pivotal Systems, Inc.)
- 2004-2008 Member, Board of Directors, NEXX Systems, Inc., Billerica, MA. (Privately held, Enterprise Partners Venture Capital is an investor in NEXX Systems, Inc.)
- 2005-2006 Member, Board of Directors, Ascendent Communications, San Jose, CA. (Enterprise Partners Venture Capital was an investor in Ascendent, which was acquired by Research in Motion (RIM) in 2006.)
- 2005-2008 Member, Board of Directors, Quorum Systems, Inc. San Diego, CA. (Enterprise Partners Venture Capital was an investor in Quorum, which was acquired by Spreadtrum, Inc. in 2008.)
- 2006-2008 Member, Board of Directors, Novera Optics, Inc., Santa Clara, CA. (Enterprise Partners Venture Capital was an investor in Novera Optics, which was acquired by LG-Nortel in 2008.)
- 2006-2008 Member, Board of Directors, Hammerhead Systems, Inc. Mountain View, CA. (Privately held. Enterprise Partners Venture Capital is an investor in Hammerhead Systems.)
- 2006-2007 Member, Board of Directors, Tarari, Inc. San Diego, CA. (Enterprise Partners Venture Capital was an investor in Tarari, which was acquired by LSI Logic in 2007.)

2007-2008 Member, Board of Directors, Quartics, Inc. Irvine, CA. (Privately held, Enterprise Partners Venture Capital is an investor in Quartics, Inc.)

### **Federal, State, County, University and National Boards and Committees**

1980-1983 Member, Advisory Committee on Fusion Energy, U.S. House of Representatives  
Committee on Science and Technology

1980 Member, Energy Research Advisory Board Fusion Review Panel, U.S. Department of  
Energy

1982-1983 Chair, Review Committee on Low Activation Materials for Fusion Applications, U.S.  
Department of Energy

1981-1984 Member, Magnetic Fusion Advisory Committee, U.S. Department of Energy

1985 Member, U.S. Technical Working Party; Economic Summit Activity on Technology, Growth  
and Employment

1985-1990 Member, Editorial Board of the IAEA scientific journal, Nuclear Fusion

1985-2002 Founder and Principal Editor, Fusion Engineering and Design, an international technical  
journal on fusion energy research.

1987-1990 Member, U.S. Representative on the Technical Advisory Board for the ITER International  
Fusion Energy Project, International Atomic Energy Agency, Vienna

1988-1989 Member, National Research Council Committee on the Pacing of the Magnetic Fusion  
Energy Program, National Academy of Sciences

1989-1990 Member, National Research Council Committee on Inertial Confinement Fusion, National  
Academy of Sciences

1990 Member, Fusion Policy Advisory Committee, U.S. Department of Energy.

1991-1993 Chair, Fusion Energy Advisory Committee, U.S. Department of Energy

1994-1996 Chair, Fusion Energy Sciences Advisory Committee (Re-chartered), U.S. Department of  
Energy

1994-1999 Member, Scientific Advisory Board to San Diego County Board of Supervisors

1995 Vice Chair and Member, U.S. President's Committee of Advisors on Science and  
Technology (PCAST), Fusion Energy Review Panel

1995-2002 University of California Engineering Education Committee (Chair, 1995-1999)

1996-2001 Member, University of California President's Engineering Advisory Committee

1996-1997 Member, National Research Council Committee for the Review of the U.S. Inertial  
Confinement Fusion Program, National Academy of Sciences

1996-2000 Member, Fusion Energy Sciences Advisory Committee, U.S. Department of Energy

1996-2003 Member, Executive Board, UCSD CONNECT

1997-1998 Member, U.S. President's Committee of Advisors on Science and Technology (PCAST),  
Energy Research and Development Panel

1997-2002 Member, Public Policy Committee, American Association of Engineering Education

1997-2002 Chair, Director's Advisory Committee, San Diego Supercomputer Center, UC San Diego

1997-present Member, California Institute of Technology President's Advisory Committee for the  
Division of Engineering and Applied Science

1998-2000 Member, Committee to develop San Diego's High Tech High School.

1998-2002 Member, Governing Committee of the International Conference on Inertial Fusion Science  
and Applications, Bordeaux, France.

1998-2002 Chair, Physics Division Review Committee. Los Alamos National Laboratory

2001-2003 Member, California Council on Science and Technology

- 2002-present Member, University of California President's Advisory Committee on Science and Innovation
- 2002-present Member, Calit2 Advisory Board, California Institute for Telecommunications and Information Technology, A UC San Diego-UC Irvine Partnership.
- 2003-2004 Member, National Academies (of Science, Engineering and Medicine) Committee on Facilitating Interdisciplinary Research. (Report issued in 2004.)
- 2005-2008 Member, Board of Directors, San Diego Venture Group
- 2005-2010 Member, Finance and Budget Committee, National Academy of Engineering
- 2007-2008 Member, The National Academies *Keck Futures Initiative* Review Panel; Report issued by the National Academy of Sciences and the National Research Council in 2008.
- 2014-Present Co-Founder and Chair of the Board, Science Philanthropy Alliance, Palo Alto, CA

### **Publications and Editorships**

Two Monographs as Book Chapters; Three Chapters in Books; Founder (in 1986) and Principal Editor (1986 through 2001) of the international scientific journal, Fusion Engineering and Design.

Publications include approximately 300 scientific articles in refereed journals and reviewed conference proceedings; approximately 80 invited papers and talks at national and international conferences, schools and symposia; and articles on science policy and scientific subjects in publications such as Scientific American and the Encyclopedia Britannica.

List of publications provided on request.

### **Patents**

Three patents issued relating to methods and devices for semiconductor chip manufacturing in the fields of plasma etching and thin film deposition.