

Rob Dunbar

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W.M. Keck Professor in the School of Earth, Energy & Environmental Sciences and Senior Fellow, by courtesy, at the Woods Institute for the Environment



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- [Stable Isotope Biogeochemistry Lab](#)
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- [Personal Website](#)

Bio	Research & Scholarship	Teaching	Publications
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- Professor, [Earth System Science](#)
- Senior Fellow (By courtesy), [Stanford Woods Institute for the Environment](#)
- Member, [Bio-X](#)
- Senior Fellow, by [Courtesy, Stanford Woods Institute for the Environment](#)

My research and teaching interests include Climate Dynamics, Oceanography, Marine Ecology, and Biogeochemistry. I am interested in environmental policy directed towards problem-solving. My research group studies global environmental change with a focus on air-sea interactions, tropical marine ecosystems, polar climate, and biogeochemistry. In October, 2001, I became the founding director of the Interdisciplinary Graduate Program in Environment and Resources (now E-IPER), a position I maintained until 2005. In January, 2003, I was appointed the Victoria P. and Roger W. Sant Director of the Earth Systems Program, the largest undergraduate and co-terminal masters program in the School of Earth Sciences, an appointment that ran through 2012. In January, 2004, I was named the J. Frederick and Elisabeth B. Weintz University Fellow in Undergraduate Education in recognition of teaching and mentoring of Stanford undergraduate students. I was awarded the William M. Keck Professorship in 2008, the same year that I moved from the Department of Geological and Environmental Sciences to the newly created Department of Environmental Earth System Science. In 2009, I was elected as a Trustee for the Consortium for Ocean Leadership in Washington D.C. where I am active in promoting the Integrated Ocean Drilling Program and the Ocean Observatories Initiative. I am currently serving as the Chairperson of OL's Board of Trustees. In 2004 I helped start the Palmyra Atoll Research Consortium (PARC) to promote research and conservation of Pacific coral reefs.

Administrative Appointments

- Lecturer in Earth Sciences, University of California, San Diego (1979 - 1980)
- Visiting Assistant Professor of Earth Sciences, University of California, San Diego (1981 - 1982)
- Assistant/Associate Professor of Geology, Rice University (1982 - 1994)
- Visiting Research Fellow, School of Earth Sciences, Victoria University of Wellington, New Zealand (1988 - 1988)
- Visiting Scientist, Geology Department, University of New Mexico, Albuquerque, New Mexico (1988 - 1988)
- Master of Baker College, Rice University (1989 - 1994)
- Visiting Scientist, National Geophysical Data Center (1994 - 1996)
- Professor of Geology and Geophysics, Rice University (1994 - 1997)
- Adjunct Professor of Geology and Geophysics, Rice University (1997 - 2004)
- Professor of Geological and Environmental Sciences, Stanford University (1997 - 2007)
- Senior Fellow Freeman Spogli Institute of International Studies, Stanford University (1998 - 2010)

- Associate Chair, Geological and Environmental Sciences, Stanford University (2000 - 2004)
- Founding Director, Interdisciplinary Graduate Program in Environment and Resources, Stanford University (2001 - 2005)
- Victoria P. and Roger W. Sant Director of the Earth Systems Program, Stanford University (2003 - 2012)
- J. Frederick and Elisabeth B. Weintz University Fellow in Undergraduate Education, Stanford University (2004 - Present)
- Senior Fellow, Woods Institute for the Environment, Stanford University (2004 - Present)
- Professor of Environmental Earth System Science, Stanford University (2007 - Present)
- W.M. Keck Sr. Professor of Earth Sciences, Stanford University (2008 - Present)
- Trustee, Consortium for Ocean Leadership (2009 - Present)
- Adjunct Professor Victoria, University of Wellington, New Zealand (2010 - Present)
- Chairman of the Board of Trustees, Consortium for Ocean Leadership (2013 - Present)

Honors and Awards

- Antarctic Service Medal, The United States of America (1988)
- Best Paper Award, Coral Reefs Journal, 1995, International Society for Reef Studies (1996)
- S.T. Lee Lecturer in Antarctic Studies, Victoria University of Wellington, New Zealand (2003)
- J. Frederick and Elisabeth Brewer Weintz University Fellowship, Stanford University (2004)
- W.M. Keck Sr. Professorship in Earth Sciences, Stanford University (2008)
- Richard W. Lyman Award, Stanford University (2009)
- TED Speaker, TED (Technology, Entertainment, Design) (2010)
- SCAR Medal for Excellence in Antarctic Research, Scientific Committee for Antarctic Research (2016)

University Service and Professional Activities

- Participant and Writer, Scientific Committee on Antarctic Research Horizon Scan (2014 - Present)
- Chair, Board of Trustees, Consortium for Ocean Leadership (2013 - Present)
- Committee Member, NAS/NRC Panel on "Future Science Opportunities in the Antarctic and Southern Ocean" (2013 - Present)
- Member, Audit Committee, Consortium for Ocean Leadership (2013 - Present)
- Invited Speaker, NASA/GISS (2013 - 2013)
- Re-elected to Board of Trustees, Consortium for Ocean Leadership (2012 - Present)
- U.S. Member, Science Implementation and Planning Committee, (SIPCOM), Intergated Ocean Drilling Program (2012 - 2014)
- Co-Leader, GSA/UT Austin Geologic Field Trip to Antarctica (2012 - 2013)
- Invited Plenary Speaker, 5th Scientific Committee on Antarctic Research Open Sciences Conference (2012 - 2012)
- Invited participant, US-Korean-Italian Workshop on Time Series Observation in the Ross Sea, Incheon, Korea (2012 - 2012)
- Invited speaker, SETI Institute (2012 - 2012)
- Keynote speaker, Ecopoiesis Conference, California College of the Arts (2012 - 2012)
- Keynote speaker, UC Davis Graduate Ecology Symposium (2012 - 2012)
- Member, Past Antarctic Ice Sheet Dynamics (PAIS) development team, Scientific Committee on Antarctic Research (2012 - 2012)
- Member, Coral Reefs and Climate Change Working Group, Center for Ocean Solutions (2011 - Present)
- Member, HOLOCLIP project team, European Union (2011 - Present)
- Mentor, Jefferson High School Science Teacher, NASA Mentoring Program, Stanford University (2011 - Present)
- Chair, Public Policy Committee, Consortium for Ocean Leadership (2011 - 2013)
- Member, Committee on Undergraduate Standards and Policy (C-USP), Stanford University (2011 - 2013)
- Member, Faculty Search Committee for an appointment to "The Douglas Chair", Stanford University (2011 - 2013)
- Vice-Chair, Board of Trustees, Consortium for Ocean Leadership (2011 - 2013)
- Coordinator, EESS weekly seminar series for Spring, 2012, Stanford University (2011 - 2012)
- Invited Speaker, Northern Illinois University, Livermore Valley Association, Kennedy Middle School (2011 - 2011)
- Session Chair and Keynote Speaker, International Symposium on Antarctic Earth Sciences, Edinburgh (2011 - 2011)
- U.S. Member, Science Planning Committee (SPC), Intergated Ocean Drilling Program (2011 - 2011)
- Member, Working Group on Sea Level Rise and the Pacific Small Island and Developing States, Earth Justice and U.N. Foundation (2010 - Present)
- Member, Sample Allocation Committee, IODP Expedition 318 (2010 - Present)
- Member, Vice-Provost's "critical engagement" focus group, Stanford University (2010 - Present)
- Chair, Scientific Ocean Drilling Subcommittee, Consortium for Ocean Leadership (2010 - 2013)
- Member, Advisory Board, Haas Center for Public Service, Stanford University (2010 - 2013)
- Member, Freshman and Sophomore Programs Advisory Committee, Stanford University (2010 - 2013)
- Chair, NSF-UNOLS Polar Research Vessel Committee (2010 - 2012)
- Member, New Ship Acquisition and Funding Committee, Consortium for Ocean Leadership (2010 - 2012)
- Mentor of Middle School Science Teacher through NASA Mentoring Program, Stanford University (2010 - 2011)
- Invited Participant, US-Italian Workshop on Time Series Observation in the Ross Sea, Ischia Italy (2010 - 2010)

- Invited Speaker, Victoria University of Wellington, New Zealand, Los Altos Earth Day Event, Bohemian Grove, Steve Schneider Symposium (Monterey), Cal Academy of Arts and Sciences, Ocean Leadership (DC) (2010 - 2010)
- Invited Speaker, TED Mission Blue (2010 - 2010)
- Member, Visiting Review Committee, Ocean Sciences Program, Texas A&M University, Corpus Christi (2010 - 2010)
- Presenter, Woods Institute, Oceans Salon, California Academy of Sciences (2010 - 2010)
- Trustee, Trustee, Consortium for Ocean Leadership (2009 - Present)
- Member, Committee of Visitors evaluating Office of Polar Programs at the US National Science Foundation (2009 - 2010)
- Member, Committee of Visitors, Public evaluation of effectiveness of Office of Polar Research, US National Science Foundation (2009 - 2010)
- Member, External Revue Panel, Department of Marine Sciences, University of Otago, Dunedin, New Zealand (2009 - 2010)
- Member, Faculty Search Committee for Director of Center for Ocean Solutions, Stanford University (2009 - 2010)
- Invited Lecturer, Stanford University, IAEA ENSO Workshop, Lima , Peru, ACE Science Conference, Granada, Spain, ANDRILL Workshop, Wellington, New Zealand, SF Exploratorium, Stanford Club of Monterey (2009 - 2009)
- Invited Participant, INVEST Workshop on the Future of Ocean Drilling (2009 - 2009)
- Member, Program Committee, Antarctic Climate Evolution Conference, Granada, Spain (2009 - 2009)
- Member, Visiting Review Committee, Oceanography Department, Texas A&M University, College Station, Texas (2009 - 2009)
- Member, Visiting Review Committee, Department of Marine Sciences, University of Otago, Dunedin, New Zealand (2009 - 2009)
- Participant, McMurdo Ice Shelf Drilling Project Workshop, Wellington, New Zealand (2009 - 2009)
- Speaker, Oceans Forum, Copenhagen Conference on Climate Change (COP-15) (2009 - 2009)
- Chair, Palmyra Atoll Research Consortium Finance Committee (2008 - Present)
- Member, Center for Ocean Solutions Management Committee (2008 - Present)
- Proponent and Shipboard Participant, Integrative Ocean Drilling Program Expedition 318 to Antarctica (2008 - Present)
- Member, Y2E2 Building Management Committee, Stanford University (2008 - 2012)
- Member, Faculty Search Committee in area of Chemical Oceanography, Stanford University (2008 - 2010)
- Member, External Revue Panel, College of Geoscience, Oceanography Department Texas A&M University (2008 - 2009)
- Invited Lecturer, Stanford University, for Stanford Development Office (events in NYC and LA), San Francisco State University, British Antarctic Survey, SCAR-OSC, St. Petersburg, Russia (2008 - 2008)
- Invited Speaker Stanford Admit Weekend, Stanford University (2008 - 2008)
- Invited Speaker, Stanford Parents Day, Stanford University (2008 - 2008)
- Peer Review Team Member, Department of Oceanography, Texas A&M University (2008 - 2008)
- Stanford representative, Consortium for Ocean Leadership (2007 - Present)
- Member, Program Committee, 2008 SCAR Open Sciences Congress, St. Petersburg (2007 - 2008)
- Chief Scientist, Deep Sea Coral Collection by Submersibles, RV KOK, Pisces V 2007 | Leader, Coral Coring expedition to Palmyra (2007 - 2007)
- Co-Chief Scientist, Stanford@SEA, RV Robert Seamans (2007 - 2007)
- Expert Panelist, Site visit for Foundation for Research, Science, and Technology review of Crown Research Institutes, New Zealand (2007 - 2007)
- Invited Lecturer, University of Toronto, The Nature Conservancy, Australian National University, Stanford University (2007 - 2007)
- Invited Speaker, Stanford Homecoming (2007 - 2007)
- Invited Speaker, Stanford Admit Weekend, Stanford University (2007 - 2007)
- Member, Woods Institute Research Committee (2007 - 2007)
- Participant, Southern McMurdo Sound ANDRILL Project (2007 - 2007)
- Invited Speaker, Stanford Parents Day, Stanford University (2006 - 2007)
- Member, Search Committee for a faculty hire in Physical Oceanography, Stanford University (2006 - 2007)
- Off-ice designated scientist, ANDRILL McMurdo Ice Shelf Project (2006 - 2007)
- Scientist, Marine Biology, Biogeochemistry, and Ocean Physics, Ross Sea, Antarctica, R/V Nathaniel Palmer (2006 - 2007)
- Faculty Leader, Stanford Travel Study Trip to New Guinea, Stanford University (2006 - 2006)
- Invited Lecturer, U.S. Geological Survey, Hopkins Marine Station, University of Queensland, Australian National University (2006 - 2006)
- Invited Speaker, End of Oil Symposium, Stanford (2006 - 2006)
- Invited Speaker, Stanford Club of San Diego (2006 - 2006)
- Invited Speaker, End of Oil Public Lecture Series, SES, Stanford University (2006 - 2006)
- Keynote Plenary Speaker, SCAR Open Sciences Conference, Hobart, Australia (2006 - 2006)
- Leader, IAEA sampling mission to Raja Ampat archipelago, West Papua, Indonesia (2006 - 2006)
- Leader, Lake coring trip to Lago Fagnano, Tierra del Fuego, Argentina (2006 - 2006)
- Member, American Geophysical Union Program Committee for 2006 Joint Meeting in Baltimore (2006 - 2006)
- Member, Program Committee, 2006 SCAR (Scientific Committee for Antarctic Research) biannual Open Science Conference, Hobart Australia (2006 - 2006)
- Plenary Speaker, SCAR Open Sciences Congress, Hobar (2006 - 2006)
- Scientist, Coral Reef Control Volume Experiment, Heron Island, Australia (2006 - 2006)
- Seminar speaker, Heron Island Marine Station, Australia, and at the University of Queensland, Brisbane, Australia (2006 - 2006)
- Speaker, Stanford Alumni Clubs in San Diego, Los Angeles (2006 - 2006)
- Elected Chair, International Atomic Energy Agency Cooperative Reserach Porject Isotopic Studies of El Nino (2005 - 2014)
- Participant, ANDRILL (Antarctic Drilling) McMurdo Sound Drilling Program (2005 - 2013)

- Co-Chair, Faculty search committee for a new hire in the area of Climate Science, Stanford University (2005 - 2009)
- Chair, Antarctic Research Vessel Oversight Committee (2005 - 2008)
- Member, AGU Program Committee, AGU 2006 Joint Meeting, Baltimore (2005 - 2006)
- Scientist, Marine Biology, Biogeochemistry, and Ocean Physics, Ross Sea, Antarctica, R/V Nathaniel (2005 - 2006)
- Chief Scientist, Deep submersible diving expedition from Samoa to Hawaii (2005 - 2005)
- Co-Chief Scientist, coral coring expedition to Palmyra Atoll, Stanford University (2005 - 2005)
- Faculty Leader, Stanford Travel Study Trip to Antarctica, Stanford University (2005 - 2005)
- Faculty Leader, Stanford Travel Study Trip to Russian Far East, Stanford University (2005 - 2005)
- Invited Participant, East Antarctic Margin Drilling Workshop, Spoleto, Italy (2005 - 2005)
- Invited Speaker, Stanford Club of Wyoming, Stanford Club of Monterey, Stanford Club of Philadelphia (2005 - 2005)
- Invited Testimony, National Academy of Sciences Panel on future U.S. Polar Research Vessel Needs (2005 - 2005)
- Leader, Expedition to Easter Island for coral coring and lake sediment coring (2005 - 2005)
- Co-Chair, Interdisciplinary Grants Committee, Stanford's Institute for the Environment, Stanford University (2004 - 2006)
- Member, Program Committee, 2008 SCAR Open Sciences Congress, Hobart, Australia (2004 - 2006)
- Chair Science Committee, Palmyra Atoll Research Consortium (2004 - 2005)
- Invited Participant, SCAR (Scientific Committee on Antarctic Research) meeting (2004 - 2005)
- Member, Faculty search committee in the area of Paleobiology, Stanford University (2004 - 2005)
- Chief Scientist, Deep submersible diving in the Hawaiian Islands and at Cross Seamount, DSRV Pisces V and RV Kanaloa o Kamaikai (2004 - 2004)
- Faculty Leader, Stanford Travel Study Trip to Alaska, Stanford University (2004 - 2004)
- Invited Participant, SCAR (Scientific Committee on Antarctic Research) meeting, Bremen (2004 - 2004)
- Invited Speaker, International Conference on Isotopes in Environmental Studies, Monaco (2004 - 2004)
- Invited Speaker, Isotopes as climate tracers short course, IAEA, Trieste (2004 - 2004)
- Lecturer, Instituto de Verano, Universidad de Concepcion, Chile (2004 - 2004)
- Member, Palmyra Atoll Consortium Leadership Committee (2003 - Present)
- Director, Earth Systems Program, Stanford University (2003 - 2012)
- Faculty Leadership Committee, Stanford Institute for the Environment, Stanford University (2003 - 2009)
- Member, Next Generation Polar Research Vessel Design Committee (2003 - 2008)
- Governor, Joint Oceanographic Institutions, Inc. (2003 - 2007)
- Member, Scheduling Committee, AGU Ocean Sciences Meeting (2003 - 2004)
- Faculty Leader, Stanford Travel Study Trip to Antarctica, Stanford University (2003 - 2003)
- Invited Participant, Scientific Planning Committee, Integrated Ocean Drilling Program transition meeting, Sapporo (2003 - 2003)
- Invited speaker, Holocene Climate Workshop, Eikom, Norway (2003 - 2003)
- Leader, Lake coring team in Patagonia, Stanford University (2003 - 2003)
- Member, Antarctic Research Vessel Oversight Committee (2002 - 2008)
- Member, Scientific Experts Group, IMAGES (2002 - 2008)
- Secretary, Paleoceanography and Paleoclimatology Focus Group, AGU (2002 - 2004)
- Alternate Governor, Joint Oceanographic Institutions (2002 - 2003)
- Chief Scientist, Marine Geology and Geophysics, Antarctic Peninsula, RV L.M. Gould (2002 - 2002)
- Co-convenor, IMAGES Southern Ocean Working Group conference, Barcelona, Spain (2002 - 2002)
- Co-convenor, IMAGES Southern Ocean Working Group conference II, Barcelona (2002 - 2002)
- Invited Participant, National Science Foundation Earth System History RFP panel, Washington D.C. July (2002 - 2002)
- Invited Participant, Antarctic Climate Evolution Data/Model Integration Workshop, Amherst, MA (2002 - 2002)
- Invited Speaker, Climate Change in the Antarctic Peninsula Workshop, Hamilton, New York (2002 - 2002)
- Invited participant, Conference on U.S. Participation (CUSP) in the Integrated Ocean Drilling Program, Washington D.C. (2002 - 2002)
- Member of review panel, National Science Foundation Integrated Global C cycle (2002 - 2002)
- Member, CEE faculty search committee, Stanford University (2002 - 2002)
- Provost's Lecturer, SUNY Stony Brook (2002 - 2002)
- Scientist, Deep submersible diving expedition to the Gulf of Alaska, DSRV Alvin and RV Atlantis (2002 - 2002)
- Scientist, Expedition to Eilat Israel to instrument coral reef for global change studies (2002 - 2002)
- Director, Interdisciplinary Ph.D. Program in Environment and Resources, Stanford University (2001 - 2005)
- Distinguished Lecture Speaker, Ocean Drilling Program: Portland State University, Columbus State University, SUNY Albany, Duke University, SUNY Stony Brook (2001 - 2002)
- Co-convenor, IMAGES Southern Ocean Working Group conference, Bremerhaven, June (2001 - 2001)
- Convenor, First ARTS (Annual Records of Tropical Systems) Open Science Meeting, Noumea, New Caledonia, November (2001 - 2001)
- Invited Speaker, ANTOSTRAT symposium, Erice, Italy, September (2001 - 2001)
- Member, Steering Committee, ACE (Antarctic Climate Evolution), a new SCAR project (2001 - 2001)
- Member, American Geophysical Union Paleoceanography and Paleoclimatology Focus Group (2000 - 2008)
- Associate Chair, Geological and Environmental Sciences, Stanford University (2000 - 2004)

- Editor (with Jack Ditullio), American Geophysical Union, Antarctic Research Series monograph on Biogeochemistry of the Ross Sea Shelf (2000 - 2003)
- Member, University Committee on Admissions and Financial Aid, Stanford University (2000 - 2003)
- Elected representative, Academic Senate, Stanford University (2000 - 2002)
- Chief Scientist, PISCO (Paleoenvironmental Investigations of Sediment in the Coastal Ocean), RVIB L.M. Gould, April/May (2000 - 2000)
- Invited Speaker, University of California, Santa Barbara (2 talks); California Institute of Technology; University of California, Berkeley (2 talks), University of Idaho, Joint Global Ocean Flux Study Biogeochemistry Conference in Brest, France (2000 - 2000)
- Invited participant and speaker, International Marine Geosciences Sampling (IMAGES) executive committee meeting, Woods Hole, MA; Shallow Water Drilling Workshop, St. Petersburg, FL; (2000 - 2000)
- Session chair, Paleoclimate (2 sessions) (2000 - 2000)
- Member, Earth Sciences Advisory Council, Stanford University (1999 - 2012)
- Member, Provost's Committee on Environmental Science, Technology and Policy, Stanford University (1999 - 2008)
- Leader, Annual Records of Tropical Systems (International Geosphere Biosphere Program IGBP/PAGES) (1999 - 2003)
- Chair, Ion Microprobe Faculty Search Committee (1999 - 2000)
- Invited Speaker, Gordon Conference on Polar Marine Processes, Ventura; Dean's Seminar Series, School of Earth Sciences, Stanford; Institute for the Study of Planet Earth, University of Arizona, Tuscon; Peninsula Geological Society Seminar Series, Stanford (1999 - 1999)
- Invited participant and speaker, AESOPS Workshop, US Joint Global Ocean Flux Study, Keystone, Colorado, August (1999 - 1999)
- Participant, Marine Geology and Geophysics cruise, Palmer Deep and Antarctic Peninsula, R/V Nathaniel B. Palmer March-April (1999 - 1999)
- Session chair, COMPLEX workshop on the future of Ocean Scientific Drilling, Vancouver, Canada, May (1999 - 1999)
- Academic advisor to 19 Earth Systems students, 3 GES, and 2 IDM undergraduates, Stanford University (1998 - Present)
- Chair, Ad-hoc committee on development of Oceans curricular track, Stanford University (1998 - Present)
- Director, Stable Isotope Biogeochemistry Lab, Stanford University (1998 - Present)
- Member of CESP faculty (Center for Environmental Science and Policy), Stanford University (1998 - 2007)
- Elected alternate representative, electoral unit 2, faculty senate, Stanford University (1998 - 1999)
- Chief Scientist, ROAVERRS (Research on Ocean Atmosphere Variability and Ecosystem Response in the Ross Sea, RVIB N.B. Palmer, October-December, 1998) (1998 - 1998)
- Co-leader, Submerged coral drilling, Galapagos Islands, RV Samba, June, 1998 (1998 - 1998)
- Invited Speaker, American Quaternary Association Annual Meeting, Puerto Vallarta, Mexico; American Geophysical Union/American Society Limnology and Oceanography biennial meeting, San Diego; EastFest '98, Stanford; Stanford Parents Day Lectures; ENRON Corp (1998 - 1998)
- Invited participant, PAGES Open Sciences Meeting, London; Sclerosponges as Paleoclimate indicators workshop, Miami (1998 - 1998)
- Session organizer and chair, History of El Nio, PAGES Pole-Equator-Pole Americas Transect Workshop, Merida, Venezuela (1998 - 1998)
- Lead adviser to 24 M.S. or Ph.D. students, Stanford University (1997 - Present)
- Earth Systems Program Steering Committee, Stanford University (1997 - 2012)
- Graduate Student Admissions Committee, G&ES, Stanford University (1997 - 2000)
- Executive Committee member, USSAC, the U.S. National Committee for Ocean Drilling (1997 - 1999)
- Consulting member, search committee, New sedimentology faculty, Lehigh University (1997 - 1998)
- Member, Oceans Faculty Search Committee, SES, Stanford University (1997 - 1998)
- Chief Scientist Positions, ROAVERRS (Research on Ocean-Atmosphere Variability and Ecosystem Response in the Ross Sea), RVIB Palmer; Lake Titicaca piston coring, RV Neecho, May, 1997; Submersible Diving off Hawaii, RV Kaimikai O Kanaloa, DSRV Pisces V, Au (1997 - 1997)
- Invited lecturer, Geophysical Fluid Dynamics Laboratory, Princeton; Princeton University, Department of Geology; Department of Mathematics and Applied Statistics, Rice University, Houston, Texas; Princeton University, Department of Ocean Sciences, UC San Diego (1997 - 1997)
- Invited participant, Workshop on cross-validation of high-resolution climate proxies and instrument records, University of Washington; Warm Climates of the Tropics, International Center for Theoretical - Physics (ICTP), Trieste, Italy (1997 - 1997)
- Leader, Research on Ocean/Atmosphere Variability and Ecosystem Response in the Ross Sea (ROAVERRS) Program (1996 - 2002)
- Member, U.S. Science Advisory Council, Ocean Drilling Program (1996 - 1999)
- Ocean Drilling Program Fellowship Proposal Review Panel, NSF-USSAC (1996 - 1998)
- Co-leader, Annual Records of Tropical Systems Activity (PAGES) (1995 - 1998)
- Member, steering committee, PEP-1 (Pole-Equator-Pole transects) (1995 - 1998)
- Proposal Review Panel, Earth Systems History Program, NSF (1995 - 1997)
- Committee Member, American Geophysical Union, Paleoceanography (1994 - 2000)

Education

- Ph.D., University of California, San Diego, Oceanography (1981)
- B.S., University of Texas, Austin, Geology (1975)

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