

Elizabeth C. McNie

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Current Appointments

Assistant Professor, Purdue University August 2008 – present
Political Science and Earth & Atmospheric Sciences

Purdue Climate Change Research Center, Affiliate August 2008 – present
Purdue University

Education

Ph.D. Environmental Studies Program 2008
University of Colorado, Boulder.
Faculty Advisor: Roger A. Pielke, Jr.
Dissertation: “*Co-producing Useful Climate Science for Policy: Lessons from the RISA Program*”
Ph.D. Certificates:
Science and Technology Policy Research 2006

Master of Arts: Psychology - Organization Development 2001
Sonoma State University: Rohnert Park, California

Bachelor of Science: Marine Transportation with High Honors 1994
California Maritime Academy: Vallejo, California
Minor: Marine Engineering
Awarded 3rd Mate License, United States Merchant Marine Officer

Fellowships

Doctoral Research Fellow: Harvard University, Sustainability Science Program, Kennedy School of Government. Cambridge, MA. 2007.

Fellow: National Science Foundation: Integrative Graduate Education and Research Traineeship (IGERT) Program: “Carbon, Climate and Society Initiative”, consisting of 13 Ph.D. students from natural sciences, social sciences, journalism, engineering and business. Fall 2003 – Spring 2006.

Publications

Peer Reviewed

McNie, Elizabeth C. (2007). “Reconciling the Supply of Scientific Information with User Demands: An Analysis of the Problem and Review of the Literature”. *Environmental Science & Policy*. Vol. 10, 17-38.

Reviewed by Editorial Board

McNie, Elizabeth C. (2005). “Archeological Ethics”. *Encyclopedia of Science, Technology, and Ethics*. Carl Mitcham, editor-in-chief. Vol. 1: 94-97. Minneapolis: Macmillan Reference USA.

McNie, Elizabeth C. and Tind Shepper Ryen (2005). “Brent Spar”. *Encyclopedia of Science, Technology, and Ethics*. Carl Mitcham, editor-in-chief. Vol. 1: 252-3. Minneapolis: Macmillan Reference USA.

McNie, Elizabeth C. (2005). “Genocide”. *Encyclopedia of Science, Technology, and Ethics*. Carl Mitcham, editor-in-chief. Vol. 2: 854-5. Minneapolis: Macmillan Reference USA.

McNie, Elizabeth C. (2005). “Weapons of Mass Destruction”. *Encyclopedia of Science, Technology, and Ethics*. Carl Mitcham, editor-in-chief. Vol. 4: 2055-57. Minneapolis: Macmillan Reference USA.

McNie, Elizabeth C. (2005). “Zoos”. *Encyclopedia of Science, Technology, and Ethics*. Carl Mitcham, editor-in-chief. Vol. 4: 2088-90. Minneapolis: Macmillan Reference USA.

Wallace, Jonathan and Elizabeth McNie [forthcoming, 2nd edition]. “Ships”. *Encyclopedia of Science, Technology, and Ethics*. Carl Mitcham, editor-in-chief. Minneapolis: Macmillan Reference USA.

Reports and White Papers

McNie, Elizabeth C.; van Noordwijk, Meine; Clark, William; Dickson, Nancy; Sakuntaladewi, Niken; Suyanto; Joshi, Laksman; Leimona, Beria; Kurnaintan, Cho. (2007). “Boundary organizations, objects and agents: Linking knowledge with action in agroforestry watersheds”. Report from the workshop held at Brawijaya University, Malang, East Java, Indonesia, July 26-29, 2007.

McNie, Elizabeth C., Roger A. Pielke Jr., and Daniel Sarewitz, Eds. (2007). “Science Policy Assessment and Research on Climate – Reconciling Supply and Demand Workshop: Climate Science Policy Lessons from the RISAs.” Report from workshop held August 15-17 2005, Honolulu, Hawaii.

McNie, Elizabeth C. (2004). "Reconciling Supply and Demand of Scientific Information: A Review of the Literature." White paper.

Works in progress

McNie, Elizabeth C. as contributing author to Lisa Dilling and Genevieve Maricle (Eds.), "Making Science Useful: A Handbook for Science Policy Decision Makers" [working title]. To be published summer Winter 2009.

McNie, Elizabeth C. et al. "Boundary Work and Negotiation Support to Link Knowledge with Action for Sustainable Development: Lessons from Natural Resource Management Research in Indonesia" [working title]. Will submit for review in 2009.

McNie, Elizabeth C. and David H. Guston. "Boundary Organizations and the Policy Sciences" [working title]. Will submit for review 2009.

McNie, Elizabeth C. and Niken Sakuntaladewi, et al. "When a Coffee Tree is Not a Tree: Co-Producing Science, Policy, and Social Order in Indonesian Agroforestry" [working title]. Will submit for review in 2009.

McNie, Elizabeth C. "Evaluating how Climate Scientists and Decision Makers Value the Utility of Information: Lessons from Short-term Climate Forecasts and Natural Resource Management." [working title]. Will submit for review to *Global Climatic Change*, 2009.

Clark, William et al. (including Elizabeth McNie), "Boundary Work in Natural Resource Management for Sustainable Development" [working title]. Will submit for review in 2009.

Van Noordwijk, Meine at al. (including Elizabeth McNie), "Knowledge, Negotiations, and Transparency in Institutions for Rewarding Upland Poor for the Environmental Services they Provide" [working title]. Will submit for review in 2009.

Presentations, Posters & Abstracts

"Linking Science, Knowledge and Policy for Sustainable Development" [forthcoming].
Session Organizer and presenter at the *American Association for the Advancement of Science Annual Meeting*, February 12-16, 2009, Chicago, IL.

"Evaluation and Use of Decision Support Systems" [forthcoming]
Session organizer at the *89th American Meteorological Society Annual Meeting*, January 11-15, 2009, Phoenix, AZ.

"Lessons from the RISA Program: Co-Producing Useful Climate Science for Policy".
Presentation at the National Academies meeting of the *Strategies and Methods for Climate-Related Decision Support*, Division on Behavioral and Social Sciences and

Education, Human Dimensions of Global Change. Arnold and Mabel Beckman Center, University of Irvine, Irvine, CA. May 12, 2008.

“Linking knowledge with action in Indonesian agroforestry research and policy: Lessons for sustainable development”

Poster presentation at the *National Academy of Science Sackler Symposium on Sustainability Science*, Washington D.C., April 3-4, 2008.

“Exploring the Agora: Co-producing Useful Climate Science for Policy”

Paper presentation at the Center for Science and Technology Policy Research, March 17, 2008. University of Colorado, Boulder, CO.

“Linking Knowledge with Action in Indonesian Agroforestry Research”

Paper presentation at the Center for Science and Technology Policy Research, February 11, 2008. University of Colorado, Boulder, CO.

“State of the Field”

Panelist, Third Symposium on Policy and Socio-Economic Research. *88th Meeting of the American Meteorologist Society*, January 20-24, 2008, New Orleans, LA.

“Boundary Work and Negotiation Support to Link Knowledge with Action in Indonesian Agroforestry Research”

Paper presentation at the Sustainability Science Program Seminar Series, October 2007, Center for International Development, Kennedy School of Government, Harvard University, Cambridge, MA.

“The Agora Explored: Producing Useful Climate Science for Policy Makers”

Paper presentation at the *Society for Social Studies of Science Annual Meeting*, October 15, 2007, Montreal, Canada.

“Linking Knowledge with Action for Sustainable Development in Agroforestry”

Invited talk at the Indonesia Ministry of Forestry Research and Development Agency, August 8, 2007, Bogor, Indonesia.

“Integrated Natural Resource Management: Linking Knowledge to Action, or, When Half a Brain is Not Enough”

Poster presentation (Meine van Noordwijk, William C. Clark, Nancy Dickson, Elizabeth McNie, Niken Sakuntaladewi and Suyanto) at the *International Centre for Research in Agroforestry Science Meeting*, World Agroforestry Centre, February 26 – March 3, 2007, Nairobi, Kenya.

“Questioning Utility: What Should Count as Useful Information?”

Paper presentation (Elizabeth McNie and Erik Fisher) for session, “Questioning Relevance: Exploring the Boundary Between Science and Technology Studies (STS) and Science and Technology Policy (STP)” at the *Society for Social Studies of Science Annual Meeting*, November 2-4, 2006, Vancouver, B.C., Canada.

“The Science and Technology Policy Handbook: Mapping the Field”

Poster presentation (Elizabeth McNie and Genevieve Maricle) at the *Gordon Research Conference: ‘Science and Technology Policy’* August 13-18, 2006 at Big Sky Resort, MT.

“Building Healthy Group Dynamics in the Classroom”

Workshop presenter at the University of Colorado *Graduate Teacher Program Special Workshop Series*, April 17, 2006 in Boulder, CO.

“Linking Science with Policy: Are Boundary Organizations the Answer?”

Poster presentation at the *CIRES Members’ Council All-Institute Symposium*, Cooperative Institute for Research in Environmental Sciences (CIRES), April 12, 2006 at the University of Colorado in Boulder, CO.

“Exploring Climate Change Issues in Iceland: The Perils and Promise of Interdisciplinary Research”

Poster Presentation (Elizabeth McNie, Yarrow Axford, Hillary Rosner, and Amanda Haag) at the *36th Annual International Arctic Workshop* at the Institute for Arctic and Alpine Research, March 16-18, 2006 at the University of Colorado, in Boulder CO.

“Reconciling the Supply of Scientific Information with User Demands: An Analysis of the Problem”

Paper presentation at the *Science Policy Assessment and Research on Climate Workshop & Meeting*, December 12-13, 2005 in Boulder, CO.

“Climate Science Research and Assessment”

Session co-organizer with Dr. Maria Carmen Lemos at the *6th Open Meeting of the Human Dimensions of Global Environmental Change Research Community*, October 9-13, 2005 in Bonn, Germany.

“Climate Change, Experiential Education and Teenagers: Lessons Learned from My Summer Exploring Iceland, Greenland, and Nunavut with ‘Students on Ice’”

Public presentation at the *Center for Science and Technology Policy Research Noontime Seminar Series*, September 7, 2005 in Boulder, CO.

“The Carbon, Climate, and Society Initiative: An Interdisciplinary Approach to Climate Change Education and Research”

Poster presentation (Erika Englehaupt and Elizabeth McNie) at the *National Science Foundation Integrative Graduate Education and Research Traineeship Project Meeting*, May 18-20, 2005 in Washington, D.C.

“Enhancing Linkages between Global Climate Science and Policy: A Research Proposal”

Abstract accepted at *The 16th Global Warming International Conference*, April 19-21, 2005 in New York, NY. (Unable to attend conference.)

“Science Policy for the New Millennium: Reconciling the Supply and Demand of Scientific Information for Decision Makers”

Paper presentation at the *2005 Graduate Student Conference on Science and Technology in Society* conference, April 23 – 24, 2005 in Washington D.C.

“Beyond the Linear Model: Introducing ‘Pasteur’s Quadrant’”

Public presentation at the *Science, Technology and Decision Making Symposium* sponsored by the Center for Science and Technology Policy Research, Cooperative Institute for Research in Environmental Sciences, February 25, 2005 at the University of Colorado in Boulder, CO.

“Enhancing the Linkages between the Supply and Demand of Scientific Information: Are Boundary Organizations the Solution?”

Poster presentation at *The American Association for the Advancement of Science Annual Meeting*, February 17-21, 2005 in Washington D.C.

“Ethical Issues in the Classroom: What Does Integrity Have to do with My Classroom?”

Workshop co-panelist at the University of Colorado *Graduate Teacher Program Spring Intensive*, January 6, 2005 in Boulder, CO.

“Reconciling Supply and Demand of Environmental Science Information for Policy Makers”

Abstract accepted at *The International Conference on Environmental Science and Technology* sponsored by the American Academy of Sciences, January 23-26, 2005 in New Orleans, LA. (Unable to attend conference.)

“Active Listening: The Key to Effective Communication”

Workshop presenter at the University of Colorado *Graduate Teacher Program Special Workshop Series*, October 25, 2005 in Boulder, CO.

“Key Symbols of Identification and Frames of Attention before and After the September 11, 2001 Attacks: A Methodological Exploration”

Paper presentation at *The Policy Sciences Annual Institute*, Yale University Law School October 21-24, 2004 in New Haven, CT.

“A Better Model for the Flow of Scientific Information to Environmental Policy Makers: Reconciling Supply and Demand”

Paper presentation at *Monitoring Science and Technology for Environmental Sustainability* conference, September 21-24, 2004 in Denver, CO.

“Old Science, New Science”

Invited Closing Plenary Speaker at *Monitoring Science and Technology for Environmental Sustainability* conference, September 21-24, 2004 in Denver, CO.

“Key Symbols of Identification and Frames of Attention before and After the September 11, 2001 Terror Attacks: Considerations for the World Revolution of Our Time”

Paper presentation at the *Rocky Mountain Interdisciplinary History Conference*, September 24-25, 2004 at the University of Colorado in Boulder, CO.

“Reconciling Supply and Demand of Scientific Information: A Review of the Literature”
Workshop panelist and paper presenter at *Carbon Cycle Science: Understanding and Enhancing the Linkages between Decision Making and Carbon Cycle Research*, September 16-17, 2004 at Colorado State University in Fort Collins, CO.

“Beyond the Linear Model: Reconciling the Supply and Demand of Scientific Information for Science Policy”

Poster presentation at the *Gordon Research Conference: ‘Science and Technology Policy’* August 16-20, 2004 at Big Sky Resort, MT.

“Biodiesel and Large Ocean-Going Vessels: Rough Seas or Smooth Sailing Ahead?”

Report presentation identified specific engineering considerations, emissions characteristics and current policy climate that influence the potential use of biodiesel fuels as a replacement for petroleum-based fuels on slow and medium speed diesel-powered ships. Presented to the California State University - Maritime Academy at sea. May, 2003.

Research Interests

Climate change, climate services, adaptation, policy of climate science
Science and technology policy research
Environment policy, decision-making, collaborative processes
Science and technology studies
Sustainability science
Interdisciplinary research and teaching

Honors and Awards

Policy Sciences Society 2008 Student Paper Prize, for the article: “Reconciling the Supply of Scientific Information with User Demands: An Analysis of the Problem and Review of the Literature,” *Environmental Science and Policy*. Vol. 10 17-38 (2007).

The Best Should Teach Award, Graduate Teaching Program, University of Colorado at Boulder, 2004, 2005.

Nominated – Outstanding Graduate Teaching Assistant, Environmental Studies Program for the United Government of Graduate Students Annual Award. 2003.

Research Activities

Doctoral Research Fellow: “The Role of Boundary Organizations in Integrating Knowledge with Action in Sustainable Development: Lessons from Agroforestry Research in Indonesia”

PIs William Clark (Harvard University), David Guston (Arizona State University) and Meine van Noordwijk (World Agroforestry Centre). This project explores the role of ‘boundary organizations’ and other institutions in linking multiple knowledge systems with action for better decision-making in improving conservation and livelihoods in natural resource management in Indonesia. January 2007 – December 2007.

Research Assistant: “Science Policy Assessment and Research on Climate (SPARC)”

PIs Daniel Sarewitz (Arizona State University), Roger Pielke Jr. (University of Colorado, Boulder), Lisa Dilling (National Center for Atmospheric Research). SPARC is a \$2.4 million NSF-sponsored project investigating Decision Making Under Uncertainty under the U.S. Climate Change Research Initiative. The project involves research, outreach and education in order to improve the connection between climate science research and climate decision-makers. Fall 2004 – August 2008.

Research Assistant: “Reconciling the Supply and Demand of Scientific Information for Decision Makers”

PIs Roger Pielke Jr. (University of Colorado, Boulder) and Lisa Dilling (National Center for Atmospheric Research). Research Assistant on a NSF-sponsored project to identify research priorities with the North American Carbon Program that will enhance the linkages between the supply of and demand for scientific information relating to carbon cycle research and application. Fall 2003 – Spring 2005.

Grants Awarded

NSF Supplemental Research Grant - \$30,575 (co-recipient) project no. 1541212. “*Climate Change Lessons from Iceland: An Interdisciplinary Study of Vulnerabilities and Strategies*”. Our four-person team investigated paleo-climate records and examined national strategic policies for adaptation to climate change. Summer 2005.

Travel Grant awarded by the Environmental Studies Program to attend and present paper at the *Society for Social Studies of Science Annual Conference*, Vancouver, BC, November 1-4, 2006.

Travel Grant awarded by Environmental Studies Program to host session and attend the 6th *Open Meeting of the Global Change Research Community*, Bonn, Germany, October 9-13, 2005. (Grant declined due to other funding options).

Travel Grant awarded by the *Graduate Student Conference on Science and Technology in Society* conference to attend and present paper in Washington, D.C., April 23 – 24, 2005.

Travel Grant awarded by the National Science Foundation, Integrative Graduate Education and Research Traineeship program, Carbon, Climate and Society Initiative to attend and present poster at the *American Association for the Advancement of Sciences (AAAS) Annual Meeting*, Washington D.C., February 17-21, 2005.

Travel Grant awarded by the Political Science Department to attend and present paper at *Policy Sciences Annual Institute* at Yale University, New Haven, October 21-24, 2004.

Graduate Student Grant awarded by Gordon Research Conferences to attend and present poster at the *GRC: 'Science and Technology Policy'* at Big Sky, MT, August 16-20, 2004.

Service & Outreach

Peer Reviewer for the journal *Environmental Science & Policy*. 2007.

Chairman of the Board, Co-Chairman of the Board, and Board Member of the Environmental Center, University of Colorado at Boulder. The Environmental Center is the largest student run environmental center in the country with an annual budget over \$700,000. Activities of the Center have generated over \$5 million dollars in cost savings for the university through a variety of programs and research efforts. Responsible for fiscal and strategic planning, and grant-giving of up to \$150,000 for campus sustainability and energy-efficiency-related activities. Fall 2005 – 2007.

Co-Chairman, Campus Environmental Justice Steering Committee of new campus initiative designed to identify and resolve environmental injustice problems on campus and in the greater Denver area. Spring 2006 – December 2006.

Lead Graduate Teacher – Environmental Studies Program, University of Colorado, Boulder. Provided mentoring and coaching to departmental teaching assistants. Fall 2004 – Spring 2006.

Volunteer Coordinator for *Microbreweries for the Environment*. Annual fundraising event to benefit the University of Colorado Environmental Center and additional non-profit organizations. Spring 2006, 2008.

Organizing Committee Member, Environmental Justice Speakers Series, sponsored by the Environmental Studies Graduate Students, the United Government of Graduate Students and the Environmental Center at the University of Colorado at Boulder, Spring 2006 – Fall 2006.

Blogger - on the Center for Science and Technology Policy Research blog, *Prometheus*. Posts include: "Nano concerns and the production of useful scientific information" November 30; "What kind of leadership does FEMA need?" September 9; "What would Moby Dick think?" June 24; "Beware of Snake Oil Salesmen" June 20, 2005.

<http://sciencepolicy.colorado.edu/prometheus>

Organizing Committee Member, Policy Sciences Summer Workshop at the University of Colorado, Boulder. June 8-11, 2006.

Education Team Member, *The Arctic Youth Environmental Leadership Expedition 2005*, sponsored by “Students on Ice”, a Canadian non-profit organization that offers unique learning expeditions to the Antarctic and the Arctic. July 2005.

Volunteer, *Presidential Science Advisor Lecture Series*, Center for Science and Technology Policy Research, University of Colorado. 2004-2005.

Participant in a debate on “*Preemption as U.S. Foreign Policy*” Co-sponsored by the United Nations Foundation, the Rockefeller Brothers Fund and the Open Society Institute. November 2003.

Advisory Council Member, California Maritime Academy Alumni Foundation. 2000-2002.

Teaching Experience

Purdue University

Global Green Politics, POL 491, Fall 2008

Environmental Politics and Policy, POL 523, Fall 2008

University of Colorado – Boulder

Topics in Science and Technology Policy, Co-Instructor, ENVS 5001-06, Spring 2006

Introduction to Environmental Studies, Teaching Assistant, ENVS 1000, Fall 2002

Introduction to Environmental Studies, Teaching Assistant, ENVS 1000, Spring 2003

California State University – California Maritime Academy, Vallejo CA

Note: ‘Special Consultant’ is the title used for lecturers at the Maritime Academy after 1997.

Marine Vocational Instructor, U.S.M.S. (United States Merchant Service), June 2006

Celestial Navigation (part of Sea Training III), Special Consultant, CRU 300, Summer 2003

Sea Training I, Watch Officer U.S.M.S., CRU 100, Summer 2003

Sea Training III, Watch Officer U.S.M.S., CRU 300, Summer 2003

Vessel Familiarization, Special Consultant, CRU 190, Summer 2002

Introduction to Maritime Operations & Culture, Special Consultant, CRU 195, Summer 2002

Celestial Navigation (part of Sea Training III), Special Consultant CRU 300 – Summer 2002

Sea Training I, Watch Officer U.S.M.S., CRU 100, Summer 2002

Sea Training III, Watch Officer U.S.M.S., CRU 300, Summer 2002

Introduction to Bridge Simulation, Special Consultant, DL 320, Spring 2001

Watchstanding Simulation, Simulator Operator, DL 321, Fall 2000

Sea Training I, Watch Officer U.S.M.S., CRU 100, Summer 1998

Sea Training III, Watch Officer U.S.M.S., CRU 300, Summer 1998

Sea Training I, Watch Officer, CRU 100, Summer 1997

Sea Training III, Watch Officer, CRU 300, Summer 1997

Marine Management Lab, Lecturer, DL 311, Fall 1997
Ship Operations I, Lecturer, DL 110, Fall 1997
Navigation II (plane, spherical and electronic navigation), Lecturer, NAU 200, Spring 1997
Marine Supervisory Lab, Lecturer, DL 310, Spring 1997
Ship Operations II, Lecturer, DL 111, Spring 1997
Shiphandling, Lecturer & Training Boat Captain, DL 200, Spring 1996
Navigation Piloting Lab, Lecturer & Training Boat Captain, DL 300, Spring 1996
Shiphandling, Lecturer & Training Boat Captain, DL 200, Spring 1995
Navigation Piloting Lab, Lecturer & Training Boat Captain, DL 300, Spring 1995
U.S. Merchant Marine License Seminar, tutor, NAU 410, (periodically) 1996 – 2001
Celestial Navigation, tutor, NAU 300, (periodically) 1996 – 2001

Deer Hill Ranch Experiential Learning – Lafayette, CA

Led and taught children on interactive, environmental, and educational farm tours, Fall 2001

Curriculum Development

Sustainability Science [in progress]

Developing upper division/graduate course in sustainability science with cohort from the Sustainability Science Program, Harvard University. Expected completion: January 2009.

Carbon, Climate and Society

Developed upper division interdisciplinary course (with 12 co-authors) that explored: the scientific foundations of climate and climate change, energy production and consumption, and policy responses to climate change. University of Colorado. 2005.

Introduction to Environmental Studies - Recitation Sections

Developed syllabus, readings, lectures, discussions and homework with Desiree Pacheco and Sarah Bickel. University of Colorado. Fall 2002 – Spring 2003.

Additional maritime-related courses including:

Navigation II (plane, spherical, and electronic navigation)

Shiphandling

Navigation Piloting

Introduction to Maritime Cultures and Traditions

Professional Affiliations

American Association for the Advancement of Science

American Geophysical Union

American Meteorological Society

American Political Science Association

Policy Sciences Society

Society for Social Studies of Science

Other Experience

True North Consulting Services: Vallejo, CA. February 2000 – 2004.

Self-employed independent consultant. Conducted qualitative organizational and community assessments; facilitated organization improvement programs; wrote grants and advised in grant development; managed strategic planning processes and implementation; coached individuals and groups for improved effectiveness; facilitated meetings; developed leadership training programs; and planned events. Client sample: Community Service Learning Center of the California State University – Maritime Academy, Alantro Technology, Texas Instruments, Fighting Back Partnership, City of Vallejo, Recovering Advocates for Treatment.

California State University - Maritime Academy: Vallejo, CA

Associate Director Career Development and Industrial Relations. October 1999 – February 2000.

Liaised with engineering and maritime industry representatives; coached students in career planning; planned and implemented first ever Facilities Engineering Internship Fair; assisted director as needed.

Student Professional Development Program Coordinator. January 1998 – October 1999.

Was responsible for the leadership and professional development of the entire student body; created and facilitated numerous leadership training programs and retreats; managed budgets; coached, mentored and supervised up to 65 paid and volunteer student leaders; developed shipboard training programs; sailed as watch officer and served as public affairs officer during annual training cruise; served on Homecoming organizing committee.

Worked in variety of teaching appointments, tutoring, and as training officer on the *United States Training Ship Golden Bear* as Second Officer, Deck Officer, Day Mate, and Boatswain. 1995 – Summer 2006.

Diamond Offshore Drilling: Katy, Texas. May 1996 – January 1997.

Third Officer, Ballast Control Officer, and Junior Dynamic Positioning Officer on deep-sea, dynamically-positioned oil-rigs in the North and South Atlantic.

Keystone Shipping Company, Pennsylvania. June 1994 – October 1995.

Third Officer on crude oil tanker operating from Valdez, Alaska to Hawaii and West Coast.

Employment in a variety of fishing industry-related jobs including commercial fishing boats, fish markets, filet houses, supply boats, and processing ships. North Pacific. 1986 – 1991.

Management Intern: Department of Defense Resource Support Team, Office of Economic Adjustment. Participated in maritime security planning and logistics at the Goodwill Games in Seattle, Washington. Summer 1990.

Maritime & Fishing Industry Employment Synopsis

I am a United States Merchant Marine Officer and have sailed on containerships, oil tankers, supply vessels, and training vessels. I have also worked in the oil exploration industry on drill ships and on mobile offshore drilling units as a ballast control officer and junior dynamic positioning officer. I began my career in the commercial fishing industry and worked on a variety of commercial fishing boats, tenders, and processing vessels. In the past several years I have worked primarily on the *United States Training Ship Golden Bear* where I served as an officer, teaching and training U.S. Merchant Marine Officer Cadets in a variety of subjects including celestial navigation, vessel safety, ship operations, navigation, watchstanding, etc. Cumulatively, I have spent almost six years at sea.

Maritime-related honors and awards

Award for Excellence in the Movement of Bulk Liquid Cargo from the Mobil Oil Corporation, 1994
 Award for Community Service from the Propeller Club of San Francisco, 1994
 Award for Excellence in Shiphandling from the San Francisco Bar Pilots, 1994
 Award for Research and Scholarship Women's Propeller Club of San Francisco, 1994
U.S. Training Ship Golden Bear Award for Outstanding Leadership, California Maritime Academy, 1993
 Award for Leadership and Service from the Student Affairs Program, California Maritime Academy, 1993
 The Jacob Nebeling Scholarship, California Maritime Academy, 1990 – 1991

Professional Licenses & Certificates (selected)

United States Licensed Merchant Marine Officer: Master 1600 Tons Any Ocean
 United States Licensed Merchant Marine Officer: Second Mate Unlimited Tonnage Any Ocean
 United States Licensed Ballast Control Officer
 Automatic Radar Plotting Aids and Radar Observer Certificates
 Stability and Ballast Control for Mobile Offshore Drilling Units Course
 U.S. Coast Guard Basic and Advanced Shipboard Fire Fighting Certificate
 Inert Gas and Crude Oil Washing Certificate; Vapor Recovery Certificate
 Diesel Operation and Bridge Control Maneuvering Certificate
 Offshore Petroleum Industry Training Organization Emergency Training and Safety
 Bridge Resource Management and STCW Watch Procedures
 National Cargo Bureau Inc. Stability Certificate
 U.S. Navy Damage Control School
 PADI Certified Open Water Diver

References

Available upon request