

Jill Lipoti, Ph.D.

Assistant Teaching Professor at Rutgers, The State University of New Jersey

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Experience

Assistant Teaching Professor, ½ time, Department of Human Ecology at Rutgers, The State University

September 2016 to present

Contribute to the development and implementation of the academic Minor in Sustainability through adoption or development of courses, support independent student projects, internships, and research in the areas of environmental, urban and societal sustainability. Teach 3 courses per year.

Part Time Lecturer at Rutgers, The State University of New Jersey

January 2015 – September 2016

Conceived and taught Introduction to Sustainability and Practicum in Sustainability, as part of a new Minor in Sustainability. The Intro course provides an overview of perspectives on sustainability including environmental, economic and social considerations. Students use metrics for measuring components of sustainability, and explain sustainability actions at the local, state, country, and global scales. Students create an ePortfolio of their work to aid them in applying for internships and jobs. Lectures are supplemented by a field trips. The Practicum course is an opportunity to learn team building skills, apply knowledge to practical problems, and provide solutions for building a culture of sustainability.

Associate at enviroCOP, LLC

April 2014 - Present

Services that may be of interest include professional guidance in environmental decision-making, audit support such as making sense of compliance data, guidance in state and Federal regulatory processes, corporate environmental stewardship, and environmental strategic planning.

Director, Division of Water Monitoring and Standards (retired) at NJ Department of Environmental Protection

November 2010 - September 2013

Direct the fresh water and marine water monitoring efforts in New Jersey, including chemical, physical, and biological monitoring. Organize the data collected so that an integrated report of the status of the waters of the state can be produced. Lead scientific studies that populate models to provide assessment tools which can be used to allocate the pollution loading across entities for pollution reduction efforts. Oversee the Watershed Ambassador program – to inspire the next generation of water pollution control professionals. "Goal Owner" for the Barnegat Bay Action Plan, one of the Governor's priorities for improving the water quality in Barnegat Bay.

Adjunct Assistant Professor at University of Medicine and Dentistry of New Jersey, School of Public Health

October 2004 - December 2012

Participate as a member of the Steering Committee of the Center for Public Health Preparedness as an expert in chemical, radiological and nuclear emergency preparedness. Present lectures, provide input to curriculum development, and assessment of public health preparedness for New Jersey. Teach graduates and undergraduates in the Preparedness for Weapons of Mass Destruction course.

Director, Division of Environmental Safety and Health at NJ Department of Environmental Protection

October 2005 - November 2010

Directed the activities of the Radiation Protection Program, Office of Quality Assurance, Release Prevention Program, Pollution Prevention and Right to Know programs, and Permit Coordination. Participated in nuclear emergency response planning and lead an effort to improve planning for recovery from a nuclear accident. Worked on improvement of the x-ray inspection program, through emphasizing the importance of measuring radiation exposure and image quality. Staff of 160 people, budget of \$11M.

Assistant Director, Radiation Protection Programs at NJ Department of Environmental Protection

April 1989 - October 2005

Direct the activities of the Radiation Protection Program, whose objective is to protect the public and the environment against unnecessary radiation exposure from natural and man-made sources. Three bureaus comprise the program, which encompasses such diverse activities as registration, licensing and inspection of radiation sources, certification of technologists, radon public awareness, certification of radon testing and mitigation firms, low level radioactive waste siting issues, nuclear emergency response, oversight of nuclear power plant activities for environmental releases, and non-ionizing radiation. Participation in nuclear emergency exercises quarterly. Staff of 65 people; budget of \$5.5M.

Chief, Bureau of Hazardous Substances Information at NJ Department of Environmental Protection

June 1988 - April 1989

Managed the operations of the Bureau charged with implementation of New Jersey's Community Right-to-Know program. Operations included surveying the regulated community about hazardous substances use, storage and release, developing appropriate computer software to manage the information, pursuing enforcement action against non-compliance, and making the information available to the general public. Interfaced with members of the regulated community, researchers, government officials, and the general public. Oversight of budget of \$1.2 million, employed 20 individuals.

Projects

Judge for Mandela Program for Young African Leaders – June 2016

Reviewer for National Academy publication

December 2014

I was one of the reviewers for the National Academies publication of the summary of the 2014 Gilbert W. Beebe Symposium presentations and discussions titled The Science of Responding to a Nuclear Reactor Accident. You can download the summary free of charge using this link: <http://www.nap.edu/catalog/19002/the-science-of-responding-to-a-nuclear-reactor-accident-summary>

Judge for Conrad Spirit of Innovation Challenge

January 2015, January 2016

Members: Jill Lipoti, Ph.D.

Students can compete in the Conrad Spirit of Innovation Challenge. Judges are provided a rubric and provide scores for each of the projects assigned.

Fusion Corner, West Harlem Art Fund, NY

February 2016

WEST HARLEM ART FUND is an eighteen year-old public arts organization. WHAF showcases art by award winning international artists in open public spaces promoting cultural heritage. Jill Lipoti was invited to show and sell her pottery by Savona Bailey-McClain, Chief Curator. The venue is 246 Malcolm X Blvd, in Harlem.

Certifications

Certified Public Manager, Levels 1, 2, 3

1989

Verified Peer Reviewer

Publons

Volunteer Experience

Board member at Roosevelt Senior Citizen Housing Corporation (Solar Village)

May 2014 - Present

Solar Village is a senior citizen housing complex in Roosevelt, NJ. The Roosevelt Senior Citizen Housing Corporation Board oversees the complex, ensuring that it is well-managed, maintained, and provides superior services for its residents.

Roosevelt School Board

June 1999 - June 2007

Served on the Roosevelt School Board (elected position, 1999-2007) President 2003, 2004.

Lecturer in Medical Physics Tutorial at Columbia University Medical Center

May 2014, May 2015, May 2016

Dr. Thomas Morgan organizes guest lecturers for the graduate students taking the medical physics tutorial. My lecture was called "Roadmap to Regulations" and discussed the roles and responsibilities of the federal,

state, and local regulatory agencies involved in radiation protection. Taking into consideration the history of these agencies, the lecture emphasized how regulations have evolved to meet the changing regulatory climate, diminished resources, and emerging technologies in the radiation field.

Council President at Borough of Roosevelt, NJ

January 2016 - Present

Sworn in as Councilperson in April 2015 to replace a Council member who resigned. Elected to 3 year term in November 2015. Sworn in as Council person in January, and elected as Council President.

Radiation Safety and Security Infrastructure Appraisal mission at International Atomic Energy Agency

October 2006, October 2007

International Atomic Energy Agency, Radiation Safety and Security Infrastructure Appraisal mission to Uganda, Kampala, October 15-19, 2007.

International Atomic Energy Agency, Radiation Safety and Security Infrastructure Appraisal mission to Ethiopia, Addis Ababa, October 2-6, 2006.

Board on Earth Sciences and Resources, Water Science and Technology Board at National Academy of Sciences

2011

National Academies, Board on Earth Sciences & Resources Water Science and Technology Board, Committee to write a report on Uranium Mining in Virginia, 2011.

Honors and Awards

Edward J. Ill Excellence in Medicine Award

MD Advisor

May 2009

Edward J. Ill Excellence in Medicine Award, May, 2009.

Distinguished Alumni, George H. Cook Award

Cook College, Rutgers University

2007

Distinguished Alumni, George H. Cook Award, Cook College, Rutgers University, 2007.

Award for Meritorious Service

Conference of Radiation Control Program Directors

2004

Conference of Radiation Control Program Director's Award for Meritorious Service, 2004, for setting a standard of excellence in serving as liaison to the American College of Radiology.

Certificate of appreciation on behalf of the United States and Canada

US - Canada Power System Outage Task Force, 2003-2004, Secretary of Energy Spencer Abraham and the Minister of Natural Resources in Canada

2004

Certificate of appreciation on behalf of the United States and Canada for serving on the U.S. – Canada Power System Outage Task Force, 2003-2004, signed by Secretary of Energy, Spencer Abraham, and the Minister of Natural Resources in Canada.

Award for Meritorious Service for chairing the Committee on Public Information

Conference of Radiation Control Program Directors

2003

Conference of Radiation Control Program Director’s Award for Meritorious Service, 2003, for chairing the Committee on Public Information

Professional Achievement Award

State of New Jersey

2001

State of New Jersey, Professional Achievement Award, 2000, 2001

Gerald S. Parker Award

Conference of Radiation Control Program Directors

2000

Gerald S. Parker Award, 2000 (highest award of the Conference of Radiation Control Program Directors)

Constituent Service Recognition

NJ Department of Environmental Protection

October 2000

NJ Department of Environmental Protection Constituent Service Recognition, October 4, 2000, in recognition of the excellent constituent service provided by the X-ray Inspection Compliance Guidance and in support of DEP’s Open and Effective Government Goal.

Publications

Radiologic and Nuclear Medicine Studies in the United States and Worldwide: Frequency, Radiation Dose, and Comparison with other Radiation Sources - 1950 to 2007

Radiology, Volume 253, Number 2 November 2009

Authors: Jill Lipoti, Ph.D., Fred Mettler

Mettler, et al., “Radiologic and Nuclear Medicine Studies in the United States and Worldwide: Frequency, Radiation Dose, and Comparison with other Radiation Sources – 1950 to 2007” Radiology: Volume 253, Number 2, November 2009.

Essentials of Terror Medicine, Chapter 14

Springer, NY 2009

Authors: Jill Lipoti, Ph.D., J. S. Hammond

Hammond, JS, Lipoti, JA, Essentials of Terror Medicine, Chapter 14, “Radiological Agents and Terror Medicine”, Springer, NY, 2009.

Exposure Reduction through Quality Assurance for Diagnostic X-ray Procedures

Health Physics, Vol 95, No. 5 November 2008

Authors: Jill Lipoti, Ph.D.

Lipoti, J.A., “Exposure Reduction Through Quality Assurance for Diagnostic X-ray Procedures”, Health

Physics, Vol. 95, No.5, November 2008.

Medical Radiation Exposure in the U.S. in 2006: Preliminary results

Health Physics, Vol 95, No. 5 November 2008

Authors: Jill Lipoti, Ph.D., FA Mettler, Jr., Bruce Thomadsen, Debbie Gilley, John McCrohan, T.T. Yoshizumi, M Mahesh

Mettler, FA Jr., Thomadsen, BR, Bhargavan, M., Gilley, DB, Gray, JE, Lipoti, JA, McCrohan, J, Yoshizumi, TT, Mahesh M, “Medical Radiation Exposure in the U.S. in 2006: Preliminary results”, Health Physics, Vol. 95, No. 5, November 2008.

The New Jersey Radiographic Quality Assurance Program at 5 years

Journal of the American College of Radiology, Vol.4, No. 10 October 2007

Authors: Jill Lipoti, Ph.D., Julie Timins, Paul Orlando

Timins, J., Orlando, P., Lipoti, J., “The New Jersey Radiographic Quality Assurance Program at 5 Years”, Journal of the American College of Radiology, Vol.4 No.10, October 2007.

Regulatory Issues in Interventional Procedures: A State Perspective

American Association of Physicists in Medicine, Medical Physics Monograph No 28, pp 243-261 2002

Authors: Jill Lipoti, Ph.D.

“Regulatory Issues in Interventional Procedures: A State Perspective,” American Association of Physicists in Medicine, Medical Physics Monograph No. 28, pp. 243-261, 2002 Summer School Proceedings, McGill University, Montreal, Canada.

Decision Making for Late-Phase Recovery from Major Nuclear or Radiological Incidents

National Council on Radiation Protection and Measurement, Report #175 February 13, 2015

Authors: S.Y. Chen, Jill Lipoti, Ph.D., Helen Grogan, Brooke Buddemeier, Vincent Covello, Katherine A. Kiel, Daniel J. Barnett, Debra McBaugh Scroggs, Andrew Wallo, Anne Nisbet

NCRP Report No. 175 provides guidance on making decisions after a major nuclear accident (e.g., Fukushima), after an act of terrorism involving a radiological dispersal device (e.g., a dirty bomb) or an improvised nuclear device, that result in wide area contamination with radioactive materials. The Report considers the long-term consequences of widespread contamination and provides guidance on managing the cleanup and community restoration efforts.

Organizations

National Council on Radiation Protection and Measurement

Council member 2001 to present, Board of Directors, 2002 to 2007, Budget and Finance Committee, 2002 to 2007

April 2001 to Present

Member of PAC 3, Nuclear and Radiological Safety and Security; Member of PAC 5, Environmental Radiation and Radioactive Waste Issues; Member of PAC 7, Radiation Education, Risk Communication, Outreach and Policy, Member of SC91-3, Medical Radiation Exposure of the U.S. Population with Emphasis on Radiation exposure of the Female Breast, Member of the Program Committee for the 2003, 2004 and 2010 Annual Meeting. Invited speaker 2007 annual meeting. Member of Scientific Committee SC 5-1

preparing a report on an Approach to Optimizing Decision Making for Late-Phase Recovery from Nuclear or Radiological Terrorism Incidents,

Conference of Radiation Control Program Directors

Chairman, 1997-1998, Board of Directors, 1992-1995,

June 1989 to Present

Chair of the Environmental Nuclear Council, 1992-1995, Chair, Transportation Committee, 1991-1993,

Liaison to the American College of Radiology, 1998 – 2005, Liaison to the American Association of Physicists in Medicine, 1998 – 2005, Mammography Inspection Frequency Task Group, Chair, 1999 – 2001,

Committee on Public Information on Radiation Protection, Chair, 2001 to 2003.

Sigma Xi, the Scientific Research Society

Member

June 1987 to Present

Health Physics Society

Member

January 2001 to Present

Atlantic Interstate Low-Level Radioactive Waste Compact

NJ Commissioner

2003- 2013

New Jersey Commissioner to the Atlantic Interstate Low-level Radioactive Waste Compact. Appointed by Governor McGreevey.

Environmental Protection Agency's Science Advisory Board

Chair, Radiation Advisory Committee 2003-2007

1998 to 2009

Science Advisory Board, Radiation Advisory Committee, Environmental Protection Agency, 1998 to 2009, Chair, 2003 to 2007.

Food and Drug Administration, Technical Electronic Product Radiation Safety Standards Committee

Member

2002 to 2005

Technical Electronic Products Radiation Safety Standards Committee for the US Food and Drug Administration, 1997- 1999, 2002-2005.

Education

Rutgers University-New Brunswick

Ph.D., Environmental Science, 1978 - 1985

Cook College, Rutgers University, New Brunswick

Bachelor of Science (BS), Environmental Science, 1973 - 1977

Wood-Ridge High School

1969 - 1973

Activities and Societies: National Honor Society, Band, Tri-Hi-Y,

Interests

Professional interests include sustainability, emergency planning and response, environmental radiation, radioactive waste management, risk communication, design of environmental monitoring programs, outreach, education.

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