

# **Jill Lipoti, Ph.D.**

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

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## **Experience**

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

September 2016 to present, January 2015 – September 2016 as Part Time Lecturer

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 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. Taught “Principles of Air Pollution” in Fall 2016.

### **Associate at enviroCOP, LLC**

April 2014 - Present

Services that may be of interest include professional guidance in environmental decision-making, audit support, 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 to produce an integrated report of the status of the waters of the state. Lead scientific studies that populate models to provide assessment tools that can be used to allocate 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. Lecture, 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, managing the information, pursuing enforcement action against non-compliance, and making the information available. Interfaced with members of the regulated community, researchers, government officials, and the general public. Oversight of budget of \$1.2 million, employed 20 individuals.

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Projects

**Judge for Mandela Program for Young African Leaders – June 2016**

**Judge for Conrad Spirit of Innovation Challenge – January 2015, January 2016**

**Reviewer for National Academy publication of the summary of the 2014 Gilbert W. Beebe Symposium, entitled “The Science of Responding to a Nuclear Reactor Accident”, December 2014**

<http://www.nap.edu/catalog/19002/the-science-of-responding-to-a-nuclear-reactor-accident-summary>

**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

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## Volunteer Experience

### **Interstate Environmental Commission**

#### **December 2016 to present, nominated by Governor Christie and confirmed by the NJ State Senate**

The Interstate Environmental Commission (IEC) is a tri-state water and air pollution control agency for New York, New Jersey, and Connecticut. The mission of the IEC is to protect and enhance environmental quality through cooperation, regulation, and communication between government officials and citizens in the tri-state region.

### **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.

### **Councilperson 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 for 2016. Resigned July 2017.

### **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.

### **Roosevelt School Board**

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, May 2017

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## Honors and Awards

### **Edward J. Ill Excellence in Medicine Award**

MD Advisor, May 2009

### **Distinguished Alumni, George H. Cook Award, 2007**

Cook College, Rutgers University

### **Award for Meritorious Service for setting a standard of excellence in serving as liaison to the American College of Radiology**

Conference of Radiation Control Program Directors, 2004

### **Certificate of appreciation on behalf of the United States and Canada**

For service 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

### **Professional Achievement Award**

State of New Jersey, 2000, 2001

### **Gerald S. Parker Award, 2000**

Highest award of the Conference of Radiation Control Program Directors

### **Constituent Service Recognition**

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.

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## 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, Mettler, et al., Radiology.

### **Essentials of Terror Medicine, Chapter 14**

Springer, NY 2009

Authors: Hammond, JS, Lipoti, JA, Chapter 14, "Radiological Agents and Terror Medicine",

### **Exposure Reduction through Quality Assurance for Diagnostic X-ray Procedures**

Health Physics, Vol 95, No. 5 November 2008

Authors: Jill Lipoti, Ph.D.

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

Health Physics, Vol 95, No. 5 November 2008

Authors: Mettler, FA Jr., Thomadsen, BR, Bhargavan, M., Gilley, DB, Gray, JE, Lipoti, JA, McCrohan J. Yoshizumi, TT, Mahesh, M.

## **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

## **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.

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## **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, 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, Speaker 2017 annual meeting "Recovery, Resilience and Reality".

### **Conference of Radiation Control Program Directors**

#### **June 1989 to present**

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

June 1987 to Present

### **Health Physics Society**

January 2001 to Present

### **Atlantic Interstate Low-Level Radioactive Waste Compact**

NJ Commissioner, 2003- 2013. Appointed by Governor McGreevey.

### **Environmental Protection Agency's Science Advisory Board 1998 to 2009**

Chair, Radiation Advisory Committee 2003-2007

**Food and Drug Administration, Technical Electronic Product Radiation Safety Standards Committee**  
1997- 1999, 2002-2005.

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## 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,

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## 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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