

HENRY J. MAYER, Ph.D.

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EDUCATION

Doctor of Philosophy in Urban Planning & Policy Development, 1999
Rutgers University, New Brunswick, New Jersey

Masters Degree in Environmental Sciences, 1995
Rutgers University, New Brunswick, New Jersey

Bachelor of Science Degree in Industrial Management, 1966
Purdue University, West Lafayette, Indiana

EMPLOYMENT

E.J. Bloustein School of Planning & Public Policy, Rutgers University
Executive Director, Environmental Analysis & Communications Group, which includes National Center for Neighborhood & Brownfields Redevelopment since 1999 and Center for Transportation Safety, Security & Risk since 2008

Established in 1998, the National Center for Neighborhood and Brownfields Redevelopment at the E. J. Bloustein School of Planning & Public Policy, the Center has been designated by Rutgers' Board of Governors as a strategic planning initiative of the University. It is funded primarily through project-based grants from private foundations and federal, state and county governments. The Center offers technical expertise and applied research solutions to assess redevelopment land use planning options at the state, region, county and neighborhood level. Specializing in the areas of community involvement, urban revitalization and regional planning, the Center has partnered with local governments, and state and federal agencies to offer planning perspectives that affect the future of our communities. Recent research projects include:

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- ***FEMA New Jersey Urban Rivers Mitigation Research, Modeling and Implementation Project – Phase II.*** The objective is to provide detailed and useful information to government agencies and property owners on the relationships between flood damages [costs], land uses and other spatial characteristics, and alternative flood and damage mitigation strategies.

Additionally, the Center is a partner in the multi-university Consortium for Risk Evaluation with Stakeholder Participation (CRESP), which has provided research and other assistance to the U.S. Department of Energy – Environmental Management Division (DOE-EM) related to the cleanup, closure and potential reuse of its former nuclear weapons sites, through annual grants for the past fifteen years.

The Center for Transportation Safety, Security and Risk is a U.S. Department of Homeland Security Transportation Security Center of Excellence, and develops state-of-the-art responses to transportation security challenges of the twenty-first century. It creates relevant and innovative security training products for both frontline employees and managers in the transportation industry, which is based on a strong foundation of research into the best security practices and latest delivery technologies of the day. Research projects apply decision tools, GIS mapping and risk modeling to real-world transportation contexts in order to better assess and manage risks and improve resiliency related to security incidents.

Recent research projects include:

- *Supporting Secure and Resilient Inland Waterways* project, which is developing a prototype decision support system that integrates geographic information system (GIS) technology and computer-based freight movement models to provide timely knowledge and awareness of alternatives available to offload important or dangerous barge cargoes in the event of a catastrophic shutdown of the upper Mississippi River.
 - *Smart Model for Rail Corridor Resilience: Northeast Corridor Prototype* project. A prototype risk-based simulation model has been developed to estimate the consequences of specific disrupting events to the rail passenger corridor in northern New Jersey.

PROFESSIONAL CAREER (Major Highlights)

Smith Barney, Harris Upham & Co. Inc. - Managing Director & Treasurer 1989-1991

- Restructured capital base by replacing costly subordinated loans to the regulated broker, with a more flexible \$300 million unsecured revolving credit facility to its parent company. Savings of approximately \$2 million annually.

Merrill Lynch & Co. Inc. 1975-1987

- Global Securities Trading Division - Vice President, Senior Financial Officer
 - Directed 75 professionals that provided daily, weekly, and monthly accounting reports and financial analysis to the Federal Reserve, NYSE, corporate headquarters and six major securities trading groups; and 55 professionals providing \$900 million in stock loan services to financial and other institutional customers.

Merrill Lynch Capital Markets - Vice President, Treasurer

Merrill Lynch, Pierce, Fenner & Smith - Vice President, Treasurer

Merrill Lynch International Bank Ltd. (London) - Executive Director & Treasurer

Merrill Lynch & Co. (London) - International Treasury Director

Gulf+Western Industries Inc. - Assistant Treasurer 1966-1975