PUBLICATIONS, REPORTS, and PRESENTATIONS
January 2004-March 2010

New York University’s Wagner Graduate School of Public Service
Institute for Civil Infrastructure Systems (ICIS)

Journal Articles and Published Proceedings Papers


**Book Chapters**


Reports


Presentations

2010 (through March):

“Smart Grid: Challenges and Opportunities,” Sallan Foundation, League of Conservation Voters and ICIS (co-hosts), NYU-Wagner, New York, NY, February 3, 2010


2009:

2008:
R. Zimmerman. Invited presentation (and subsequent paper) on “Public Investment in American Cities: Infrastructure, Services and Delivery,” Shape of the American City, a conference co-sponsored by the Penn Institute for Urban Research and the American Academy of Political Science and Social Science, Philadelphia, PA, October 24-25, 2008.
2007:
C.E. Restrepo, J.S. Simonoff, R. Zimmerman, and Z.S. Naphtali, “Spatial Distribution of Electricity and Oil and Gas Pipeline Failures,” First Annual International Federation for


2006:


R. Zimmerman, “World Trade Center Evacuation and Communication and Transportation,” World Trade Center Evacuation Study Scientific Meeting, Translating Research into Practice, Columbia University Mailman School of Public Health, New York, NY, September 15, 2006. [Focused on a statistical analysis of the role that infrastructure systems played in enabling survivors to reach initial and ultimate destinations after the attacks.]


2005:


http://www.usc.edu/dept/create/events/2005_02_03/Indicator_Based_Assessments_for_Terrorist_Attacks_Against_Critical_Infrastructure.pdf

2004:
http://www.usc.edu/dept/create/news.php?id=11
http://dels.nas.edu/dr/DRSSWorkshopAgenda.html
http://www.volpe.dot.gov/ourwork/dimensions/workshops.html
http://www.ieeeboston.org/homeland.htm
Media Coverage of ICIS Research Associated with CREATE (2005-2007)

NOTE: An ICIS Web page for quick links to recent media coverage is located at:

http://www.icismyu.org/ICISintheNews.php

NYC Subway Flooding, August 8, 2007


*Diario Hoy* August 9, 2007. www.holahoy.com (NY, LA, Chicago)


Minneapolis Bridge Collapse, August 1, 2007

*Frankfurter Allgemeine Zeitung*, August 3, 2007


Video Appearances:


*CNN*, “Road to Ruin” August 3, 2007, 8-9 pm

*Fox 5 News* August 2, 2007, 5pm and 6pm

*CNN En Español - Encuentro* August 2, 2007, 6pm

*CNN* August 2, 2007, 8-9 pm

*WLNYTV* August 2, 2007, 11 pm

Steam Pipe Explosion, July 18, 2007 in Manhattan, NYC


*Newsday*: http://www.newsday.com/search/sns-ap-manhattan-explosion,0,4241766.story


*Thonline*: http://www.thonline.com/article.cfm?id=166375
Macleans: http://www.macleans.ca/article.jsp?content=w071979A
Sun Journal (New Bern, NC):
http://hosted.ap.org/dynamic/stories/M/MANHATTAN_EXPLOSION_NOTE?SITE=N CBER&SECTION=HOME&TEMPLATE=DEFAULT
StarTribune.com (Minneapolis-St. Paul):
http://www.startribune.com/484/story/1312064.html
Other Papers

Video Appearances:
WPIX, July 22, 2007, News Closeup, 6am
Fox 5 News, July 20, 2007, 5pm
NY1, July 19, 2007, 7pm and 10pm
(also see: http://www.ny1.com/ny1/content/index.jsp?aid=71832&search_result=1&stid=8)
WPIX, July 19, 2007, 10pm
(repeated November 11, 2007)

Selected Media Coverage, 2005-2009
Mike Muller, “A City by the Sea -- or Under It?” Gotham Gazette, March 10, 2008
http://www.gothamgazette.com/article/issueoftheweek/20080310/200/2460
http://www.brooklynpaper.com/stories/30/44/30_44downtowninfrastructure.html
http://www.pmi.org/PDF/PMN1107Cover.pdf
http://www.apta.com/passenger_transport/thisweek/archive_search.cfm (Search Archives and enter title).


http://www.nypost.com/seven/07132007/news/regionalnews/even_more_dark_days_lie_ahead_regionalnews_bill_sanderson.htm

NY1 Inside City Hall panel on electric power, June 28, 2007, 7pm and 10pm.


Books from ICIS Research:
Beyond September 11th (NHRAIC, PERI, ICIS, U. Colorado Boulder, 2003)

EXAMPLES OF SELECTED RESEARCH AREAS AND THEMES
• Statistical models to estimate economic and social costs and consequences of the impact of natural hazards, accidents, and environmental conditions on urban infrastructure and policy implications for service planning and design
• Resiliency and vulnerability of urban energy, transportation and water services in light of interdependencies among these sectors
• The potential role of cyber attacks and other information technology impacts on the resilience of public services
• Mathematical approaches to estimate critical infrastructure system recovery after a terrorist attack or natural hazard
• Methods of communicating risks to people during catastrophic events to improve emergency management response and reduce adverse impacts
• Social justice dimensions of exposures to natural hazards
• Anticipated impacts of climate change on urban public service resiliency and availability
RECENT AND CURRENT PROJECTS

Center for Interdisciplinary Studies in Security and Privacy, (CRISSP) led by NYU-Poly

ASPIRE: An SFS Program for Research and Education, funded by NSF

Workshops on Interdisciplinary Studies in Information Security and Privacy

Mobile Source Air Toxics (MSATs) Mitigation Measures, led by the Rudin Center, NYSDOT

Waste Containerization, funded by the Fund for Public Health in New York for the NYC Department of Health and Mental Hygiene

South Bronx Environmental Health and Policy Study, funded by the U.S. EPA

Center for Risk and Economic Analysis of Terrorism Events (CREATE) at USC funded by U.S. DHS. NYU Risk Management projects include: Using Infrastructure Density for Resource Allocation Policy; Determinants of Spatial Infrastructure Concentration as Inputs to Resource Allocation; Infrastructure Asset Security; Resource Allocation Based on Critical Infrastructure; Risk, Consequences & Economic Analyses for Terrorist Attacks on Electricity Public Infrastructure Support for Protective Emergency Services, funded by the NYU Center for Catastrophe Preparedness and Response from U.S. DHS

Risk Communication task of the Large Scale Emergency Readiness (LaSER) Project: A Public Health Perspective, funded by the NYU Center for Catastrophe Preparedness and Response from U.S. Department of Homeland Security

Supervisory Control and Data Acquisition (SCADA) Systems and Critical Infrastructures, I3P Urban Infrastructure Services in a Time of Crisis: Lessons from September 11th, funded by NSF

Initial ICIS Workshops, funded by NSF

2nd Annual Conference on Infrastructure Priorities: Advancing Innovation – Educating Infrastructure Professionals to Make a Difference

Learning from Urban Disasters: NSF Response and Opportunities for Future Research

1st Annual Conference on Infrastructure Priorities: National Infrastructure Research Agenda Bringing Information Technology to Infrastructure

International Research Seminar: Social Sustainability of Technological Networks

National Forum on Advanced GIS Applications and Database Needs for Civil Infrastructure Systems

Workshop on Civil Infrastructure Systems (CIS) Education

Coordinated Renewal of Civil Infrastructure Systems for Sustainable Human Environments

CONSORTIUM AFFILIATIONS

- CenTeR for Interdisciplinary Studies in Security and Privacy (CRISSP), NYU-Poly
- The Institute for Information Infrastructure Protection (I3P) at Dartmouth College
- Center for Risk and Economic Analysis of Terrorism Events (CREATE) based at USC

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