



CALL FOR PAPERS

THE 2012 CRITICAL INFRASTRUCTURE SYMPOSIUM

April 23- 24, 2012 • The Arlington Hilton Hotel

CRITICAL INFRASTRUCTURE SYMPOSIUM

Building on the successes of the Critical Infrastructure Symposiums of 2010 and 2011 at the U.S. Military Academy at West Point, the 2012 Symposium will be held April 23-24, 2012, at Arlington Hilton Hotel in Arlington, Va. The Critical Infrastructure Symposium is hosted by The Infrastructure Security Partnership, Society of American Military Engineers, George Mason University and U.S. Military Academy. The Symposium is a collaborative learning community of students, educators, practitioners and government officials engaged in developing the next generation of critical infrastructure protection and resilience leaders, technologies and strategies.

The Critical Infrastructure Symposium is not about policy, engineering, or asset protection. Instead, it is about the integration of these disciplines with economics, insurance, security and everything else to form a coherent whole. As such, the theme for the 2012 Symposium is "Full Spectrum Resilience."

College students (undergraduate and graduate) and faculty conducting research in critical infrastructure protection and resilience are invited to submit and present papers. Industry professionals and government officials are invited to give presentations or simply attend the symposium to participate in the discussions. Student papers are essential to the success of this event and are strongly encouraged.

Representatives from George Mason University will present an infrastructure education workshop before the opening session on Monday, April 23. The goal of this workshop will be to determine best practices for adapting common critical infrastructure protection curricula to the specific educational and professional development models already in place in engineering, emergency response and security, in both the private and public sectors.

Our objective for this symposium is to keep registration costs as affordable as possible for student attendees. Registration will open in early January 2012; an announcement containing the registration link and detailed information will be e-mailed to individuals on our mailing list. We look forward to seeing you in April at the 2012 Critical Infrastructure Symposium.

Sincerely,
Bill Anderson
Director, The Infrastructure Security Partnership

Lt. Col. Steven D. Hart, Ph.D., P.E., USA
Department of Civil & Mechanical Engineering
U.S. Military Academy

2012 CRITICAL INFRASTRUCTURE SYMPOSIUM

"Full Spectrum Resilience" integrates an understanding of resilience across the Levels of Resilience, the Range of Impact and the All-Hazards Environment. This concept provides a frame of reference for relating new and existing resilience initiatives to each other to form a comprehensive body of knowledge and practice.

The Levels of Resilience are Strategic, Operational and Tactical. Strategic Resilience is the establishment of long range plans and policies and the allocation of resources to achieve goals and objectives. Operational Resilience deals with the establishment of policies, codes, standards and organizations that improve resilience in similar facilities or across interdependent systems. Tactical Resilience is specific actions to provide resilience against a specific threat or hazard in a specific facility.

The Scope of Impact defines the extent of the geographic or system area that a resilience initiative impacts and is quantified as Individual, Community, Regional and National. Any Level of Resilience can relate to any Scope of Impact. For example, READY.GOV is a strategic level program focused at the individual and community level of impact while the failure in tactical resilience at the Deepwater Horizons oil rig resulted in an event of national impact.

The All-Hazards Environment is defined by the four elements of Terrorism, Earth Effects & Natural Disasters, Accidents and Deterioration.

SYMPOSIUM FORMAT

Infrastructure Course Workshop: This workshop will determine best practices for adapting common critical infrastructure protection (CIP) curricula to the specific educational and professional development models already in place in engineering, emergency response and security, in both the private and public sectors. The basis for discussion will be the seven graduate syllabi developed by George Mason University's (GMU) Center for Infrastructure Protection and Homeland Security in a joint initiative with the Department of Homeland Security (DHS), which is publicly available at The Center's website. The goal of this initiative is to provide the foundation for CIP higher education materials for widespread adaptation, with the understanding that professors and institutions will modify these courses to fit their needs. The Center intends to capture, analyze and disseminate best practices as they emerge; however, we also believe the CIP educational community would benefit from an understanding of adaptation best practices at the beginning of the project and we hope to begin to develop some of those best practices in this workshop.

Session One: Case Studies. This session focuses on case studies of initiatives that have resulted in improvements across the Full Spectrum of Resilience. Case Studies will highlight successful initiatives where lessons learned can improve future endeavors. Breakout session will feature case studies that focus on each of the three levels: strategic, operational and tactical.

Session Two: Emerging Initiatives. This session looks into the future in terms of technology, policy and leadership to determine shortcomings in current systems and propose solutions. Breakout session will feature emerging initiatives that focus on each of the three levels: strategic level shortcomings and solutions; operational level shortcomings and solutions; and tactical level shortcomings and solutions.

Session Three: Perspectives on Resilience. This session addresses a variety of topics necessary to achieving Full Spectrum Resilience. Breakout sessions will address: Assessments—Assessing resilience of infrastructure elements and populations; Education—Advances and innovations in critical infrastructure education; and Innovations—Cutting edge advances in resilience from any perspective.

Call For Papers • The 2012 Critical Infrastructure Symposium

Hosted By: The Infrastructure Security Partnership, Society of American Military Engineers, U.S. Military Academy and George Mason University.



CALL FOR PAPERS

THE 2012 CRITICAL INFRASTRUCTURE SYMPOSIUM

April 23- 24, 2012 • The Arlington Hilton Hotel

AGENDA AT A GLANCE

Monday, April 23	
7:30 a.m.-10:30 a.m.	Infrastructure Course Workshop
11:00 a.m.-11:30 a.m.	Registration
11:30 a.m.-1:00 p.m.	Lunch with Speaker
1:00 p.m.-1:30 p.m.	Break
1:30 p.m.-3:00 p.m.	Breakout Session 1
3:00 p.m.-3:30 p.m.	Break
3:30 p.m.-5:00 p.m.	Breakout Session 2
6:00 p.m.-7:00 p.m.	Poster Session and Networking Reception
7:00 p.m.-8:30 p.m.	Dinner with Speaker
Tuesday, April 24	
7:30 a.m.-8:30 a.m.	Breakfast
8:30 a.m.-9:00 a.m.	Break
9:00 a.m.-10:30 a.m.	Breakout Session 3
10:30 a.m.-12:00 p.m.	Closing Plenary
12:00 p.m.-3:00 p.m.	Workshop/Tour

ABSTRACT AND PAPER SUBMISSION INSTRUCTIONS

Students and faculty must submit an abstract, paper and presentation. Professional participants are only required to submit an abstract and presentation, but may submit a paper if desired.

All presenters will be selected based on their abstract of the paper or presentation. Each abstract will contain the following information: paper title, author(s) name and affiliation, faculty advisor and affiliation if a student, recommended breakout session, 400 word abstract, and 100 word biography of the primary author. Title the file as "AUTHORS LAST NAME—PAPER TITLE.pdf" and submit the abstract file via e-mail to Stacy Cardillo at scardillo@tisp.org by Feb. 2012. All abstracts will be reviewed and notifications sent to submitters whether their paper or presentation abstracts are accepted. Presentations will be in PowerPoint.

KEY DATES

Registration opens: **Jan. 30, 2012**
 Title, abstracts and author information due: **Feb. 1, 2012**
 Notification of accepted presenters: **Feb. 8, 2012**
 Final papers and presentations due: **April 13, 2012**

SYMPOSIUM FORMAT *(continued)*

Poster Session: Poster presentations are a key element of the evening Networking Reception and allow participants to present and discuss a variety of infrastructure related topics. Easels, foam core boards (30"x40") and alligator clips will be provided to support posters. Presenters should size their posters accordingly or provide their own poster supports.

Closing Plenary: The Symposium closes with five presentations selected for their superior quality, unique perspective and impact for the participants.

Workshop/Tour: Attendees will have the opportunity to participate in the tour or the workshop; details will be available on both the tour and the workshop in early 2012.

GET PUBLISHED

Two journals support the Symposium by publishing special editions of the best papers presented. Interested presenters should format their papers in accordance with the formatting instructions found on each journal's website and indicate which journal best fits their papers.

The *International Journal of Critical Infrastructures* is an inter-disciplinary journal that provides a professional and scholarly forum for cross-learning between different scientific, technological business, economic, societal and managerial disciplines in the area of critical infrastructures. www.inderscience.com/browse/index.php?journalCODE=ijcis

The *Homeland Security Review* is published by The Institute for Law and Public Policy at California University of Pennsylvania and is an interdisciplinary journal devoted to the discussion and analysis of issues related to the subject of homeland security. www.calu.edu/business-community/ilpp/publications/the-review/index.htm

SPONSORSHIP

Be a sponsor of the 2012 Critical Infrastructure Symposium and become a part of the growing effort to find solutions to meet our nation's growing infrastructure needs while keeping registration costs low for student attendees.

Sponsorship Level	Cost	Benefits
Gold	\$1,000	<ul style="list-style-type: none"> • One 6-ft Table to display information and marketing materials • Half-Page Ad • Company Name Listed in Event Program • Company Name Listed on Website • Sponsor Signage at Event
Silver	\$550	<ul style="list-style-type: none"> • 2-ft Table Top Space to display organizational brochures • Company Name Listed on Website • Company Name Listed in Event Program • Company Name Listed on Event Signage
Bronze - Academic Institutions Only	\$300	<ul style="list-style-type: none"> • 2-ft Table Top Space to display organizational brochures • Company Name Listed on Website • Company Name Listed in Event Program • Company Name Listed on Event Signage

**For questions regarding sponsorship please contact Stacy Cardillo, scardillo@tisp.org or Stephanie Satterfield, ssatterfield@same.org*

Call For Papers • The 2012 Critical Infrastructure Symposium

Hosted By: The Infrastructure Security Partnership, Society of American Military Engineers, U.S. Military Academy and George Mason University.