NY/NJ REGIONAL WORKSHOP ON CRITICAL INFRASTRUCTURE SECURITY AND RESILIENCE

May 20, 2015
Princeton University
Princeton, NJ

Sponsored by:
Princeton University

in collaboration with
U.S. Department of Homeland Security
National Institute of Standards and Technology

Organizing Committee
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### NY/NJ Regional Workshop on Critical Infrastructure Security and Resilience
*Bridging the Gap between State-of-the-Art and Practice*

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**PRELIMINARY AGENDA**

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<th>TIME</th>
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<tr>
<td>8:30 – 9:00</td>
<td>Continental Breakfast and Registration</td>
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| 9:00 – 9:15 | Welcome and Introductions  
*Workshop goals and expected outcomes*                                    |
| 9:15 – 10:15 | Introductions and Sharing of Expertise  
*Brief summary of each participant's area of expertise, interests, and challenges* |
| 10:15 – 10:30 | Break and Networking                                                     |
| 10:30 – 12:00 | Understanding Resilience Gaps in National and Regional Infrastructure  
*Overview of resilience needs of critical infrastructure, including an interactive discussion of their application to critical infrastructure in the NY/NJ region* |
<p>| 12:00 – 1:15  | Lunch and Networking                                                      |</p>
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<th>TIME</th>
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<tr>
<td>1:15 – 2:45</td>
<td>Developing Research and Technology Solutions</td>
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<td><em>A facilitated, roundtable discussion to identify technological solutions and R&amp;D efforts with the potential to improve critical infrastructure resilience.</em></td>
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<td>- State-of-art technology solutions that can be disseminated into practice today</td>
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<td>- Current R&amp;D that can be targeted to meet emerging infrastructure needs</td>
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<td></td>
<td>- New R&amp;D that should be pursued now to meet future foundational infrastructure needs</td>
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<td>2:45 – 3:00</td>
<td>Break and Networking</td>
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<td>3:00 – 4:15</td>
<td>Moving Forward: Mechanisms to Promote Regional Collaboration</td>
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<td><em>A facilitated, roundtable discussion to identify opportunities to increase regional collaboration on R&amp;D efforts by leveraging relationships and coordination mechanisms.</em></td>
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<td>- Linkages between national-level research funding and regional needs</td>
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<td>- Opportunities for enhancing collaboration among universities, local/state agencies, and private sector</td>
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Bridging the Gap between State-of-the-Art and Practice

OBJECTIVE

Regional resilience and security is closely tied to the ability of local and regional infrastructure to deliver critical services during disasters, prevent cascading failures, and recover quickly. Critical infrastructure resilience is especially important in the so-called “lifeline sectors”—transportation, energy, communication, and water—because it underpins the most essential functions of business, government, and communities. While much has been done to build partnerships and improve resilience nationwide, when disaster strikes the biggest hit is felt by the regions and local communities that must respond and confront the immediate consequences.

Emerging and state-of-the-art technologies can greatly improve the security and resilience of critical infrastructure, provided that the owners and operators have the awareness, expertise, and resources to harness the technology capabilities. Yet this is often not the case, particularly for resource-strapped entities that operate transportation, water, and energy services. Meanwhile, universities and research institutions have extensive technical capabilities, expertise, and practical tools that can improve infrastructure resilience, provided that researchers are aware of the priority risks faced by owners and operators and the vulnerabilities in their systems.

To assist in mitigating this gap, Princeton University, in collaboration with the U.S. Department of Homeland Security and the National Institute of Standards and Technology, is hosting a one-day workshop for invited representatives from public agencies, academia, and private sector organizations to identify technology solutions with the potential to improve resilience in regional infrastructure and mechanisms to enhance collaboration between research institutions, state/local government, and private sector owners and operators.

The **NY/NJ Regional Workshop on Critical Infrastructure Security and Resilience** will focus on:

1. National resilience planning efforts and their linkages to regional-level challenges and needs.
2. Ongoing R&D activities with potential regional significance.
3. Mechanisms to strengthen regional collaboration efforts among public and private sector infrastructure stakeholders, academic institutions, and research centers in the New York/New Jersey region.

**EXPECTED OUTPUTS AND OUTCOMES**

The workshop will result in:

- Expanded awareness of National level R&D and resilience planning efforts to inform regional approaches.
• Identification of approaches and enhancements for regional regional-level infrastructure resilience R&D and technology collaboration.

• Identification of regional opportunities for new research and where the state-of-the art can be disseminated into practice.

**SCOPE**

This workshop will focus on increasing the understanding of challenges facing regional critical infrastructure and how R&D efforts can meet these needs. Scope will be limited to:

• Critical infrastructure in the New York-New Jersey region

• Technology solutions that can lead to improvements in the 0- to 10-year time frame.

• Infrastructure discussions will focus primarily on the transportation and commercial facilities sectors and some of its interdependent lifeline sectors.

**WORKSHOP STRUCTURE AND PROCESS**

The workshop will be a one-day facilitated meeting on May 20, 2015, at Princeton University. The U.S. Department of Homeland Security has contracted with Nexight Group to provide professional facilitation to assist workshop participants in their deliberations. This facilitated format is designed to focus discussions, categorize and prioritize solutions, and optimize the use of time. It is also sufficiently flexible to permit the lively exchange of ideas.

**WORKSHOP PREPARATION**

The success of this workshop is directly related to the active participation of the attendees. The following guidance will help you prepare for the workshop:

• **Prior to the Workshop** – Participants should review the information contained in this background document to understand the workshop’s format and the discussions that will take place. Participants should bring their personal experience to bear when discussing major critical infrastructure issues and R&D implementation.

• **During the Workshop** – Participants will actively share ideas through facilitated discussions. Facilitators will lead participants in structured discussions and critical analysis to identify enhancements and build agreement on options and approaches. Participants need only bring your insights, experiences, and questions.

  General expectations of participants:
  
  o Each participant’s time is valuable – this meeting will begin and end promptly.
  
  o Conversations are expected to be frank and candid. All materials and comments will be without attribution.

• **After the Workshop** – The results of the information exchange meeting will be documented and summarized in a meeting report that will be distributed to participants for review and comment.
LOGISTICS

General Information for Visiting Princeton University

General information for visiting the University can be found online: http://www.princeton.edu/main/visiting/

Below are some highlights.

Workshop Location:

The workshop will be held in **Burr Hall, Room 219**. See image below:

*Lunch will be held in Prospect House, a 5 minute walk. See campus map:* http://www.princeton.edu/main/visiting/aroundcampus/maps/

![Campus Map](image.png)

Parking

Three municipal parking garages that charge a fee are located on Chambers, Hulfish and Spring Streets in downtown Princeton. More municipal parking details are available online: http://www.princetonparking.org/parking_map.html

If you are driving, it is recommended that you (1) park in either the Hulfish or Spring Street garages, or (2) you bring lots of quarters and park on William St, Olden St, or Prospect St. See map for length of time permitted to park on various streets:

http://www.princetonparking.org/parking_map.html

You can also park for free in the visitor’s lot, Lot 21, near Jadwin Gym, or the visitor parking area in Lot 23, near the West Garage. These locations are about a 20-30 minute walk to the workshop location so a campus shuttle bus may be a good option:

http://www.princeton.edu/transportation/tigertransit.html
Trains

The campus train station is the “Princeton” station (NJ Transit) – see campus map (E7). This will be at least a 20 minute walk to Burr Hall. To get to the Princeton station you need to arrive at the “Princeton Junction” station (NJ Transit or Amtrak) and then transfer to the “Dinky” train, which is essentially a small NJ Transit-operated shuttle train that services only Princeton and Princeton Junction stations.

Taxiing from Princeton Junction to the University is recommended to save time. Taxis will charge about $20 for the ride to the campus (it is a 5-10 minute ride).

http://www.princeton.edu/main/visiting/aroundcampus/maps/

You may also reach Princeton by arriving via Amtrak to the Trenton Station.

http://www.amtrak.com/servlet/ContentServer?pagename=am/am2Station/Station_Page&code=TRE

It is about a 20 minute drive to the University. It may be possible to hail a taxi at the station; alternatively, you can arrange for car service:

- A1 Limo
- A-1 Billing Services
- 2 Emmons Dr
- Princeton NJ 08540
- 609-951-0070

- King Limo Princeton
- 3490 US Route 1 Bldg # 11
- Princeton, NJ 08540
- Phone: 609-951-0444
- Email: njreservations@kinglimoinc.com
- www.kinglimoinc.com

Hotel

If you need hotel accommodations, please email Maria Garlock (contact information below). Princeton University discounted rates are available but the reservation needs to be made through her.

CONTACTS

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