Wicked Problems in Homeland Security: Keeping Education and Research Relevant

OCTOBER 11-13, 2018
**Pre-Summit Meeting**

**Thursday, October 11**

**ASSEMBLY HALL**

9:00–10:30am  International Society for Preparedness, Resilience & Security

Members Meeting and Program Updates

10:45–11:45  FEMA Higher Education Special Interest Groups

Open Sessions

HS-EM Integration

Competencies and Accreditation

11:45–12:30  BREAK

**Summit Agenda**

**Thursday, October 11**

**CHECK-IN AND OPENING REMARKS**

12:30–1:00pm  Event Registration and Check-in (Ballroom)

1:00–1:05  Opening Comments/Administrative Notes (Ballroom)

Steve Recca

Director, University and Agency Partnership Initiative (UAPI)

1:05–1:30  Welcome Remarks (Ballroom)

Robert Griffin

Dean, College of Emergency Preparedness, Homeland Security and Cybersecurity, University at Albany

Terry Hastings

Senior Policy Advisor, New York Department of Homeland Security & Emergency Services

Glen Woodbury

Director, Center for Homeland Defense & Security Naval Postgraduate School

**LEADERSHIP KEYNOTES** (Ballroom)

1:30–2:30  Kathleen Fox

FEMA Assistant Administrator, National Preparedness Directorate

2:30–2:45  BREAK (Ballroom)

**ROUNDTABLE DISCUSSION** (Ballroom)

2:45–4:00  Wicked Problems in Security, Intelligence, and Emergency Management

**Moderator:**

Mike McDaniel

Western Michigan University, Thomas Cooley M. School of Law

**Panelists:**

Kathleen Fox

FEMA Assistant Administrator, National Preparedness Directorate

Scott Genovese

Director, DHS Global Maritime Coordination Center
Hannes Kont  
Deputy Secretary General, Estonian Ministry of Interior

Robert Griffin  
Dean, College of Emergency Preparedness, Homeland Security and Cybersecurity  
Former Acting DHS Undersecretary for Science & Technology

**PROGRAM DISCUSSIONS** (Ballroom)  
4:10–5:10  
*National Training and Education System*  
Wendy Walsh  
FEMA/NTES Higher Education Program Director  

*North American Aerospace Defense Command & US Northern Command*  
Ed Campbell  
N-NC/J7 Education Director  

*International Society for Preparedness, Resilience & Security*  
Jim Ramsay  
Executive Director  

*International Journal of Security, Preparedness, and Resilience Education*  
John Comiskey  
Editor

**DAY ONE WRAP-UP**  
5:15–5:30  
Steve Recca  
Director, University and Agency Partnership Initiative (UAPI)

**RECEPTION** (Assembly Hall & Fireside Lounge)  
5:30–7:00  
Sponsored by the College of Emergency Preparedness, Homeland Security and Cybersecurity

**Friday, October 12**

**CHECK-IN AND OPENING REMARKS**  
7:30–8:00am  
Event Registration and Check-in (Ballroom)

8:00–8:05  
Opening Comments/Administrative Notes (Ballroom)  
Steve Recca  
Director, University and Agency Partnership Initiative (UAPI)

**PANEL DISCUSSION** (Ballroom)  
8:05–9:45  
*Homeland Security Theory*  

**MODERATOR:**  
Bert Tussing  
Army War College

**Panelists:**  
Keith Cozine  
St. John's University  
Jim Ramsay  
University of New Hampshire  
John Comiskey  
Monmouth University  
Dave McIntyre  
Texas A&M University

9:45–10:00am  
Break (Ballroom)

**KEYNOTE** (Ballroom)  
10:00–10:40  
Roger Parrino  
Commissioner, New York Division of Homeland Security & Emergency Services

**ROUNDTABLE DISCUSSION** (Ballroom)  
10:45–11:45  
*Maximum of Maximums: Planning – and Educating – For Catastrophic Events*  

**Moderator:**  
Dave McIntyre  
Texas A&M University

**Panelists:**  
Roger Parrino  
Commissioner, New York Division of Homeland Security & Emergency Services  
Brad Kieserman  
Vice President Disaster Operations, American Red Cross  
Laura Kavanagh  
First Deputy Commissioner, New York City Fire Department

12:00–1:00pm  
Lunch (Ballroom)
Concurrent Breakout Session 1

A. RESEARCH PANEL – INTELLIGENCE, INFORMATION & DEFENDING DEMOCRACY (Assembly Hall)

1:00–2:30pm  
Enduring Challenges in Homeland and National Security

Moderator:  
George Schwartz  
Immaculata University

Human Security and Climate Change as Wicked Problems in Homeland and National Security: Implications for a More Resilient National Security Strategy

James Ramsay  
University of New Hampshire

Terrence Sullivan  
University of Akron

Intelligence Gaps: Academia’s Role in Shaping the Intelligence Community

Craig Gruber  
Northeastern University

B. RESEARCH PANEL – CATASTROPIC EVENTS: WHEN THE MAXIMUM OF MAXIMUMS APPLIES (Boardroom)

1:00 – 2:30  
Building a Cultures of Preparedness

Moderator:  
Wendy Walsh  
FEMA/NTES Higher Education Program Director

Discussant:  
Edward Gabriel  
Deputy Assistant Secretary (Preparedness and Response), Department of Health and Human Services

Panelists:  
Eric Stern  
University at Albany

Heidi Cordi  
Albany Medical College

Kate Browne  
Colorado State University (by video link)

Laura Olson  
Georgetown University (by video link)

D. RESEARCH PANEL – OPERATIONALIZING HOMELAND DEFENSE & SECURITY (Multipurpose Room)

1:00 – 2:30  
Operational Considerations in Securing the Homeland

Moderator:  
Cameron Carlson  
University of Alaska - Fairbanks

FEMA’s National Mobilization Mission  
Bert Tussing  
Army War College

Hybrid Warfare and Multi-Domain Operations: Considerations for the Homeland Defense and Security Enterprise

Eric Powell  
Army War College

C. RESEARCH PANEL – IDENTIFYING, APPLYING, & MANAGING EMERGING TECHNOLOGIES (Campus Center 375)

1:00 – 2:30  
Technology Issues

Moderator:  
Terry Hastings  
NY Division of Homeland Security & Emergency Services

Emerging Technologies in Critical Infrastructure

Emerging Management

Daniel Stevens  
Accenture

Scanning the Emerging Technology Strategic Landscape

Gary Ackerman  
University at Albany

Identifying, Applying and Emerging Technologies

Jeffery Johnson  
University of Mississippi

Adapting “Normal” Sensors to Support Understanding of “Non-normal” Events: Evidence from 9/11 in NYC, Hurricane Katrina and Super Storm Sandy

David Mendoca  
Rensselaer Polytechnic Institute

Xin Zhang  
Rensselaer Polytechnic Institute
Drone Threat: Issues in Counter-Threat Application
Van Romero
New Mexico Tech

Richard Miller
New Mexico Tech

E: INDIVIDUAL PRESENTATIONS: CONTEMPORARY ISSUES IN HS & EM
(Ballroom)
1:00 – 1:40
The Power of Communication
Chelsea Treboniak
Owner, Critical Ops

1:50 – 2:30
How Do Authoritarian States React to the Use of Information as a Tool of Foreign Policy? A Case Study of Russia
Scott Fisher
New Jersey City University

2:30–2:45  Break (Fireside Lounge and Adjacent to Multipurpose Room)

Concurrent Break-Out Session 2

A. RESEARCH PANEL – INTELLIGENCE, INFORMATION & DEFENDING DEMOCRACY (Assembly Hall)
2:45 – 4:15
Crisis Lawyering and Working with Lawyers in Crises

Moderator:
Eric Stern
University at Albany

Panelists:
Scott Westphal
Harvard Law School

Tom Balint
FEMA Office of Chief Counsel

Ella Carlberg
Swedish Civil Contingencies Agency

Brad Kieserman
Red Cross

Sarah Roberson
University at Albany

B: RESEARCH PANEL – DEMOCRATIZING SECURITY: DIVERSITY IN HS, EM, AND INTELLIGENCE (Boardroom)
2:45 – 4:15
Security in an International Context

Moderator:
TBA

Challenges of Assessing Community Disaster Resilience in a Pre-Disaster Context
Anthony Abruzzese
Boston University

Security Challenges Facing Small Countries: The Case of Kosovo
John Fisher
Utah Valley University

Steve Holley
Utah Valley University

Case Studies from Western China: How Far Could U.S. Policies go to Monitor Extremism?
Megan Raines
Utah Valley University

C. RESEARCH PANEL – HEALTH PREPAREDNESS AND RESPONSE (Campus Center 375)
2:45 – 4:15
Emerging Cyber Issues in Health Care and Crisis Management

Moderator:
Sora Park
University at Albany

Panelists:
Craig Felty
Hancock Regional Hospital

David Turetsky
University at Albany

Brian Nussbaum
University at Albany

D. RESEARCH PANEL – HOMELAND SECURITY EDUCATION: COMPETENCIES & ACCREDITATION (Multipurpose Room)
2:45 – 4:15
Workforce Development: Equipping Homeland Security Professionals with NextGen Core Competencies

Moderator:
Rich Suttie
NPS Center for Homeland Defense & Security
Panelists:
Steve Jensen
California State University Long Beach
Shirley Feldmann-Jensen
California State University Long Beach

E: INDIVIDUAL PRESENTATIONS: CONTEMPORARY ISSUES IN HS & EM
(Ballroom)
2:45 – 3:25  Unpacking a Homeland Security “Catastrophe”: The Case of Attacks on Nuclear Facilities
Gary Ackerman
University at Albany

Wendy Walsh
FEMA/NTES Higher Education Program Director

4:15-4:30  BREAK (Fireside Lounge and Adjacent to Multipurpose Room)

Concurrent Breakout Session 3

A: RESEARCH PANEL – INTELLIGENCE, INFORMATION & DEFENDING DEMOCRACY (Assembly Hall)
4:30 – 6:00  Border Security Changing Technologica, Political and Administrative Environments

Moderator:
Michael Beckman
DHS Office of Intelligence & Analysis

Big Data on the Border: A Case Study of Artificial Intelligence in U.S. - Mexico Border Security
Stephen Coulthart
University of Texas - El Paso

From Hot Spots to Hot Paths: Modeling Probable Pathways for Human Smuggling Along the U.S. - Mexico Border
Brandon Behlendorf
University at Albany

Drones along Borders: Border Security UAVs in the United States and the European Union
Rey Koslowski
University at Albany

B: RESEARCH PANEL – DEMOCRATIZING SECURITY: DIVERSITY IN HS, EM AND INTELLIGENCE (Boardroom)
4:30 – 6:00  Security & Resilience: Comparative Contexts II

Moderator:
TBA

Diversity in Emergency Management Scholarship
DeeDee Bennett
University of Nebraska - Omaha

Integrating Academics with Practitioners in Homeland Security Enterprise
Mike McDaniel
Thomas M. Cooley Law School
Denise Cartolano
Thomas M. Cooley Law School

Should Public Health/Medical Issues be an Integral Part of our Curricula?
Rebekah Doyle
Northeastern State University - Oklahoma
Sean Eric McGee
University of Alaska – Fairbanks

Review of Emergency Planning Policy and Procedures Required for Tribal Governments
John Fisher
Utah Valley University
Lee Dayberry
Utah Valley University
Charise Jensen
Utah Valley University

C: RESEARCH PANEL – HEALTH PREPAREDNESS AND RESPONSE (Campus Center 375)
4:30 – 6:00  Disaster Public Health and Resilience

Moderator:
Heidi Cordi
Albany Medical College

Comparative Border Security within the Anglosphere
Keith Cozine
St John’s University
Saturday, October 13

CHECK-IN AND OPENING REMARKS
8:00 - 8:30am  Event Registration and Check-in (Ballroom)
8:30 – 8:35  Opening Comments/Administrative Notes (Ballroom)
Steve Recca
Director, University and Agency Partnership Initiative

Concurrent Breakout Session 4

A: HS/EM PROGRAM ACCREDITATION (Assembly Hall)
8:40 – 10:30am  Facilitators:
James Ramsay
University of New Hampshire
Wendy Walsh
FEMA/NTES Higher Education Program Director

B: AUTHORS ROUNDTABLE (Boardroom)
8:40 – 10:30am  Facilitator:
Keith Logan
Kutztown University

Homeland Security Cultures: Enhancing Values while Fostering Resilience (Lanham, MD: Rowman & Littlefield, 2018)
Alexander Siedschlag and Andrea Jerković (eds.)

Border Security, 2nd Ed.
(Carolina Academic Press, Durham, NC)
James Phelps, Jeffrey Dailey, and Monica Koenigsberg

Cybersecurity: Bridging the Gap Between Technician & Management (Kendall-Hunt, Dubuque, IA)
James Phelps and Ervin Frenzel

C: INDIVIDUAL PRESENTATIONS: CONTEMPORARY ISSUES IN HS & EM EDUCATION (Campus Center 375)
8:40 – 9:10am  How to Manage Cybersecurity Risks: An Educational Perspective
Unal Tatar
University at Albany

D: RESEARCH PANEL – WORKFORCE DEVELOPMENT STRATEGIES
(Multipurpose Room)
4:30 – 6:00  Development of the Next Generation HS/EM Professional

Moderator:
Rich Suttie
NPS Center for Homeland Defense & Security

Managing in the Homeland Security Industry: About the Need to Tailor Specialized MBA Programs
Michel Bosco
Université Côte d’Azur

Building the Bridge Between Education and Experience: Experiential Learning in Homeland Security and Emergency Management
Wayne Bergeron

Addressing the Workforce Development Needs of the Homeland Security Enterprise
William Toms
Fairleigh Dickinson University

E: INDIVIDUAL PRESENTATIONS: CONTEMPORARY ISSUES IN HS & EM
(Ballroom)
4:30 – 5:10  Assessing the Township of Woodbridge, New Jersey Community Emergency Response Team in Furthering Community Resilience
Michael Barany
New Jersey City University

5:20 – 6:00  Critical Infrastructure Partnerships and Information Sharing During Response
Michele Samarya-Timm
Somerset County (NJ) Department of Health

6:00pm  End of Day 2 (Adjourn)
Concurrent Breakout Session 5

A: RESEARCH PANEL – HEALTH PREPAREDNESS AND RESPONSE (Boardroom)
10:45-12:25 Public and Mental Health Challenges

MODERATOR:
Eric Powell
Army War College

Disaster Mental Health Following Tornadoes: Cases from 1974-2013
Lauren Clay
D’Youville College

Developing Successful Critical Infrastructure Partnerships Between Academia and Public Health
Michele Samarya-Timm
Somerset County (NJ) Department of Health

Implementation of Medical Relief during Crises
Samantha Penta
University at Albany

B: RESEARCH PANEL – TECHNOLOGY AND EMERGENCY PREPAREDNESS (Campus Center 375)
10:45 – 12:25 How to Make New Wireless Emergency Alerting Technology Work for All

MODERATOR:
TBA

PANELISTS:
David Turetsky
University at Albany

DeeDee Bennett
University of Nebraska - Omaha
Samantha Phillips
University at Albany

C: INDIVIDUAL PRESENTATIONS: CONTEMPORARY ISSUES IN HS & EM EDUCATION (Multipurpose Room)
10:45-11:30 K-12 School Shooting Database (www.chds.us/ssdb)
David Riedman
NPS Center for Homeland Defense Security – HSx

Desmond O’Neill
NPS Center for Homeland Defense Security – HSx

11:40-12:25 Positraction—Keeping Homeland Security out of the Mud
Jayson Kratoville
University at Albany
National Center for Security & Preparedness

Guy Gioeli
University at Albany
National Center for Security & Preparedness

Return to Plenary Session

12:30 – 1:00 Closing Comments and Wrap-Up (Ballroom)
Steve Recca
Director, University and Agency Partnership Initiative (UAPI)

1:00pm End of Day Three (Adjourn)