

**DHS University Network Summit on Research and Education
Session 11. Workforce Development at the Frontier of DHS
Science, Technology, Engineering & Mathematics**

**Collective Capabilities: Creating
Learners and Learning Environments
for Infrastructure Protection**

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**MICHIGAN STATE
UNIVERSITY**

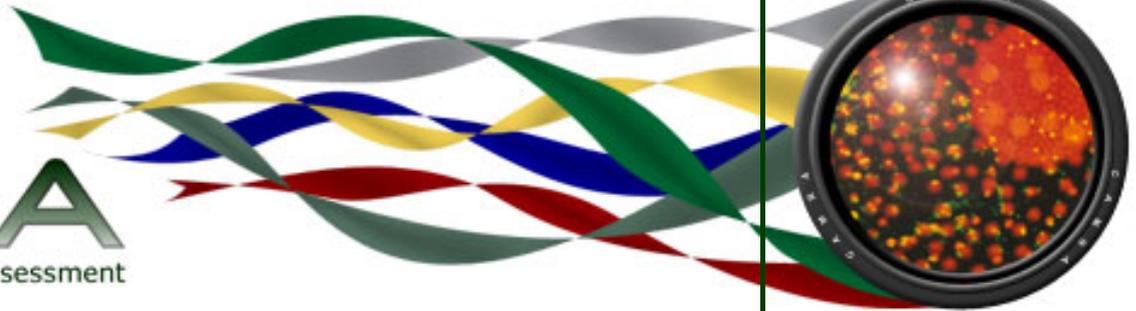


Michigan State University

Nation's founding Land Grant University with a commitment to serve national and professional communities

- Teaching, research and outreach
- Multidisciplinary strengths:
 - Risk Analysis and Risk Communication
 - Modeling/Protecting Critical Infrastructure
 - Detection and Diagnostics
 - Response, Recovery, Resilience
- Distance Learning
 - Global engagement
 - Online education capability and expertise





Detection/Diagnostics

College of Agriculture

- Vet Med, Microbiology, Forensics, Engineering Communications, Fisheries & Wildlife, and more.
- Joan Rose, Co-Director: Commitment to Lifelong learning

• National Food Safety and Toxicology Ctr.

- Online Master's (ProMS), Certificates
- Food & Agriculture ER Toolkit
- Michigan (Dept. of) Ag Steering Support



MICHIGAN STATE
UNIVERSITY



Supply Chain Research Team

Broad College of Business, Est. 1944

- Quality, Security, Logistics, Protection/Defense
- Benchmarking Survey/Tool
- Additional Research in Chemicals, Pharmaceuticals, Electronics



National Food Safety and Toxicology Center

- 3rd Annual Food Defense Education Conference
 - April 16-17, 2007, East Lansing
- Food Safety Policy Center

Risk and Intelligence Initiatives: School of Criminal Justice

- Est. 1935, College of Social Sciences
 - Nation's oldest and leading School of Criminal Justice
- Linking Research to Practice
 - Emergency and Critical Incident Protocols
 - Problem-Solving Policing
 - Project Safe Neighborhoods
 - Forensic Science
 - Homeland Security
 - Law Enforcement Intelligence Analysis
 - Supply Chain and Natural Resources
 - Online M.S. and Certificate Studies



MSU: Hybrid Learning Model

- Links professional training with academic courses through collaborative instruction, research and outreach
- Combines face-to-face learning with online courses
- Continuing Professional Education
 - Executive, Professional, Internet Masters
 - Seminars, Workshops, and Certificate Programs
 - Applied Research