

Center for Intermodal Transportation Safety and Security

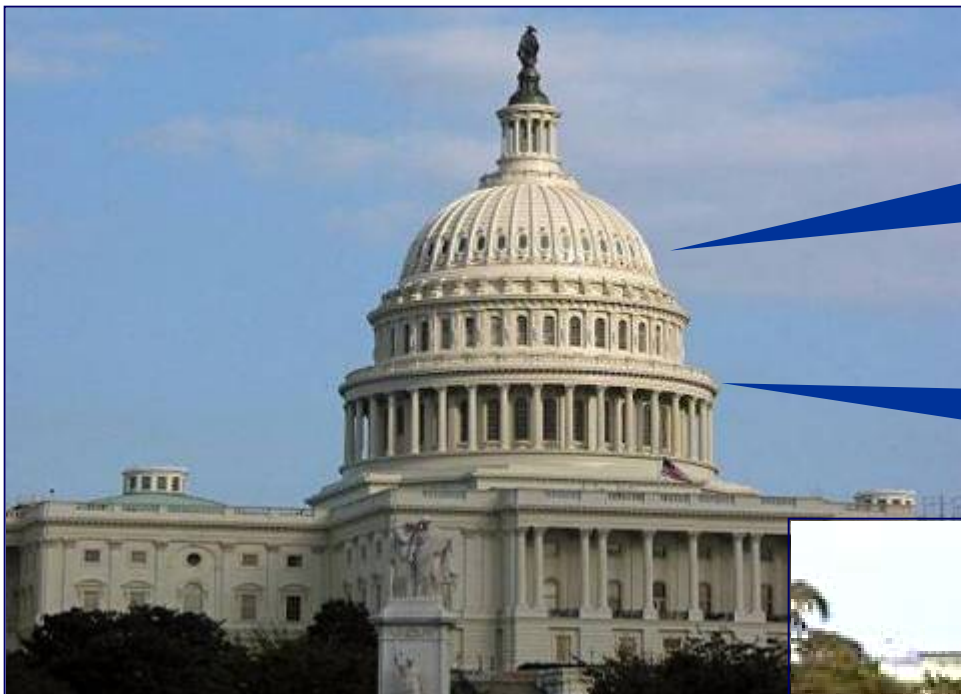
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Florida Atlantic University

College of Engineering and Computer Science



Center for Intermodal Transportation Safety and Security



PASSED
HOUSE
OCTOBER 2003

PASSED
SENATE
JANUARY 22, 2004



SIGNED BY
PRESIDENT BUSH
December 8, 2004
(Public Law 108-)

SIGNED BY
PRESIDENT BUSH
JANUARY 23, 2004
(Public Law 108-199)

Funded
August 2004

Funds
Activated
October 2004

\$7,000,000 for Fiscal Year 2004

\$3,000,000 for Fiscal Year 2005



FTA

FHWA

Center for Intermodal Transportation Safety and Security Partners



Center for Urban Transportation Research
at the University of South Florida **USF**

Center for Intermodal Transportation Safety and Security

Center Services

- Infrastructure risk assessment
- Dispersion modeling for chemicals, bio-chemicals and radiation
- 3-D simulation of disaster scenarios
- Commercial vehicle weigh in motion systems
- Unmanned aerial vehicle applications for disasters
- Interoperability communications for emergency management
- Economic and environmental impact analysis
- Optic, acoustic, chemical and biological sensor applications
- Traffic modeling for emergency evacuations
- Tracking systems for hazardous materials



Center for Intermodal Transportation Safety and Security

Simulation Applications



- **Table Top Exercises**
- **Traffic Modeling**
- **Infrastructure**

- **Vulnerability Assessment**
- **Dispersion Modeling**

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Port Everglades



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Queen Mary 2



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Port of Jacksonville Simulation Project at FAU



Funded by US DOT

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Washington Metro Simulation

Project at FAU



Platform Below Union Station



Funded by US DOT

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Evacuation Traffic Modeling



For Center for Emergency
Preparedness and Response

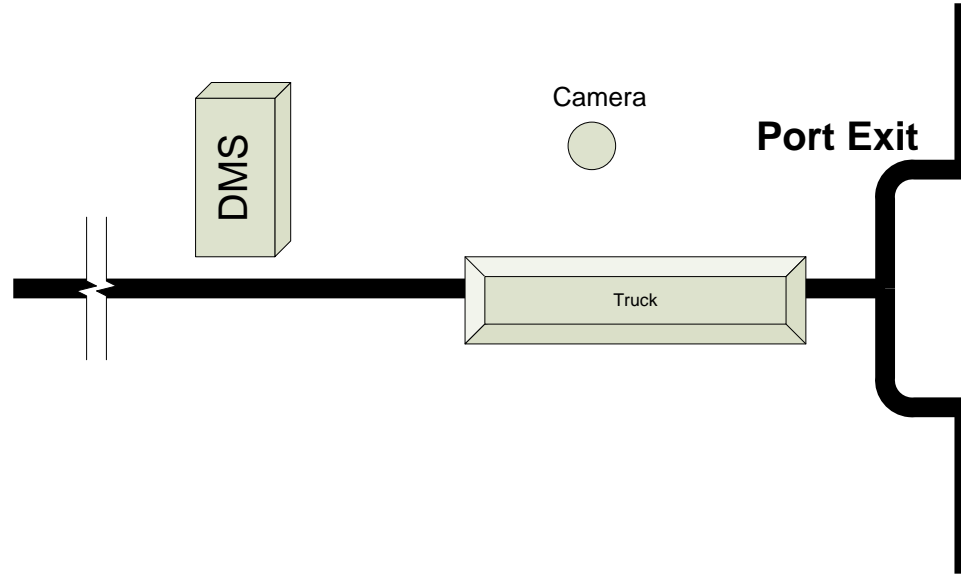
Johns Hopkins University



Center for Intermodal Transportation Safety and Security

FAU and UCF Weigh in Motion Model

At the Port of Jacksonville



OVERWEIGHT
Your Weight is
85,000 lbs



WIM
Strips

Center for Intermodal Transportation Safety and Security

Project Safe Flight

In Cooperation with the Air National Guard and the FAA

Safe use of Unmanned Aircraft Systems (UAS)* for Disaster, Incident and Emergency Management in Restricted Airspace to perform:

- **Command and Control Connectivity**
 - Safety Procedures and Ground Communications
 - Communications Platform for Responders
- **Disaster Recovery Assessment / Emergency Response / Asset Management**
 - Video Surveillance of Infrastructure Damage
 - Safety and Security of Responders
- **Environmental Impact Analysis**
 - Chemical/Biological/Radiological Detection



Center for Intermodal Transportation Safety and Security

3-D Modeling and Distance Learning

Conference Room



Contact

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