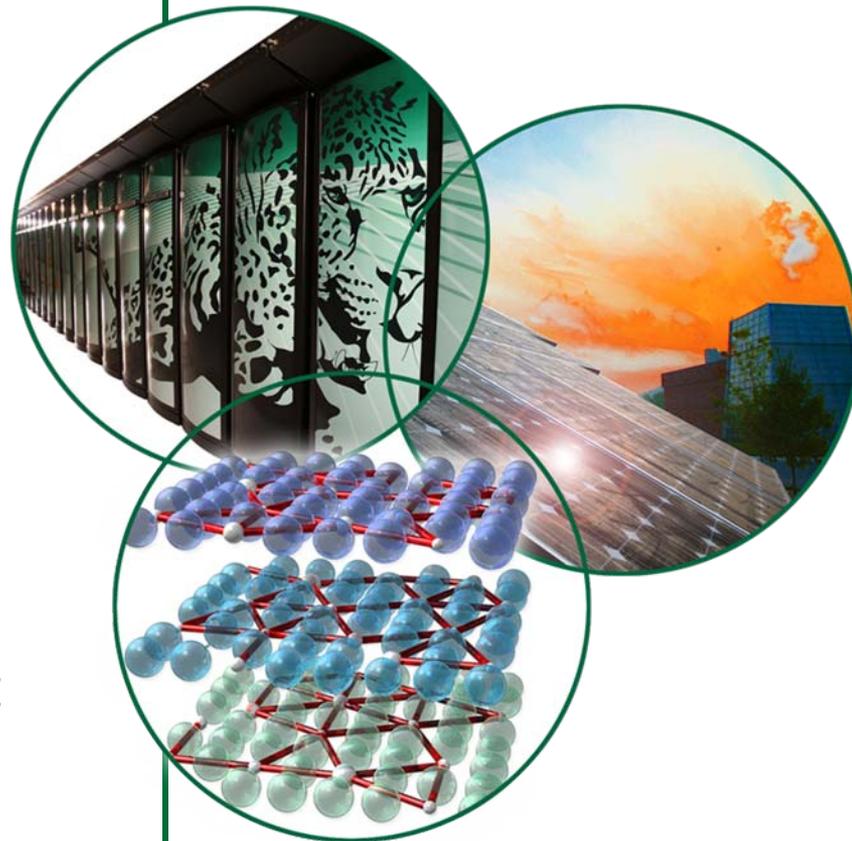




Southeast Region Research Initiative (SERRI)

*A cooperative research program
meeting homeland security
challenges*

Fourth Annual DHS University Network Summit
March 10, 2010





-- its role in Resilience



Speeding the Return of Residents to their Homes



Developing a National Community Resilience System



- **Multi-Purpose, Multi-Scale Storm Surge and Flood Forecasting for Planning and Preparedness**
- **Modeling the Impact of Explosions in Urban Environments**



- **Increasing Community Disaster Resilience through Targeted Strengthening of Critical Infrastructure**
- **Tools for Enhanced Mapping and Managing Post-Disaster Debris**



-- its role in Resilience



The University of Mississippi

- **Nano-Particle Reinforced Composites for Critical Infrastructure Protection**
- **Structural, Material, and Geotechnical Solutions to Levee and Floodwall Construction and Retrofitting**



THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

- **Modeling Micro-Economic Resilience and Restoration after a Large Scale Catastrophe**
- **Enhancing the Effectiveness of Local and Regional Communities in Planning and Training for IED Threats and Attacks on Sports Venues**