



MISSISSIPPI STATE
UNIVERSITY™



Science and Technology Center
at the Stennis Space Center, MS



www.gri.msstate.edu



www.NorthernGulfInstitute.org



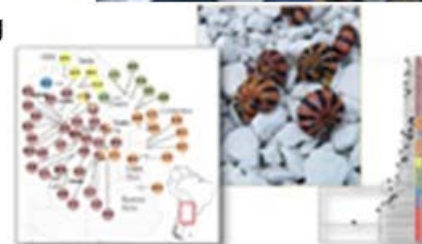
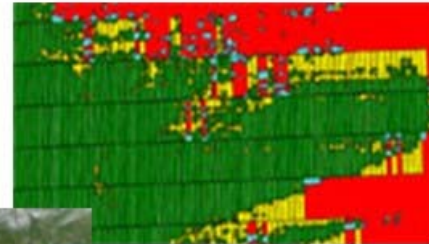
www.ASSUREuas.org



Geosystems Research Institute

GRI Research Themes

- **Agricultural and Natural Resources**
 - Invasive Species and Aquatic Plant Management
 - Crop Health
 - Levee Evaluation
- **Sensors and Modeling**
 - Marsh health
 - Water Quality
 - GIS and Data Software
- **Hydrometeorology**
 - Simulation and Visualization of Floods
 - Weather Forecasting
- **Biological Sciences**
 - Sediment and Chemical Transport Modeling
 - Landscape Assessments



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The Northern Gulf Institute



NGI is a consortium and collaborator with many universities, Federal and state agencies and non governmental organizations to conduct research in the Gulf of Mexico

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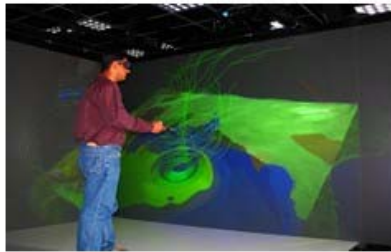


NORTHERN GULF INSTITUTE
a NOAA cooperative institute



Four Major Research Areas

- Climate Change and Climate Variability
- Coastal Hazards
- Ecosystem Management
- Effective and Efficient Data Management Systems Supporting a Data-driven Economy



What is ASSURE?

- Long title: The Alliance for System Safety of UAS Through Research Excellence - The Federal Aviation Administration's Center of Excellence for Unmanned Aerial Systems
- Short title: The FAA's Drone Research Center
- Miss State Univ. leads an alliance of 23 research universities and approximately 30 industry partners to conduct research that informs FAA UAS regulation.
- FAA William J. Hughes Tech Center manages COEs
- COE's get two funding vehicles
 - Grants (mandatory 1-to-1 cost share)
 - IDIQ Contracts (cost share negotiable)
- Congress added \$5 million in FY14, 15 & 16; \$10M in FY17

ARDC – Our 501(c)3



- ASSURE Research & Development Corporation (ARDC)
 - 501(c)3 Non-Profit – Solve problems / seek opportunities outside work for the FAA
 - Another mechanism to conduct FAA/Gov't & Industry
 - Leverages
 - ASSURE Alliance and its relationships
 - Knowledge and experience gained from FAA research
 - With only one contract and MOA, if required, with ARDC
 - ARDC does the rest to leverage our ASSURE teammates to best meet the needs of the sponsor
 - Master Service Agreement with subordinated funded Task Orders: Value \$30M
 - Awarded 1st Support Contract as subcontractor to Florida Department of Transportation on statewide aviation support

ASSURE University Team

The FAA's Center of Excellence for UAS Research

 Alliance for System Safety of UAS through Research Excellence



- CORE TEAM**
- Alabama
UNIVERSITY of ALABAMA in HUNTSVILLE
- Alaska
UNIVERSITY of ALASKA in FAIRBANKS
- Arizona
EMBRY AERONAUTICAL UNIVERSITY-PRESCOTT
- California
UNIVERSITY of CALIFORNIA DAVIS
- Florida
EMBRY RIDDLE AERONAUTICAL UNIVERSITY
- Kansas
KANSAS STATE UNIVERSITY
UNIVERSITY of KANSAS
WICHITA STATE UNIVERSITY
- Montana
MONTANA STATE UNIVERSITY
- New Mexico
NEW MEXICO STATE UNIVERSITY
- North Carolina
NORTH CAROLINA STATE UNIVERSITY
- North Dakota
UNIVERSITY OF NORTH DAKOTA
- Oregon
OREGON STATE UNIVERSITY
- Ohio
THE OHIO STATE UNIVERSITY
- Pennsylvania
DREXEL UNIVERSITY
- AFFILIATE TEAM**
- Alabama
AUBURN UNIVERSITY
TUSKEGEE UNIVERSITY
- Indiana
INDIANA STATE UNIVERSITY
- Israel
TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY
- Louisiana
LA TECH UNIVERSITY
- Ohio
SINCLAIR COMMUNITY COLLEGE
- Canada
CONCORDIA UNIVERSITY
- United Kingdom
UNIVERSITY of SOUTHAMPTON