

Unmanned Aircraft Systems



MISSISSIPPI STATE
UNIVERSITY™

Raspert Flight Research Laboratory

About Me

12 Years in UAS Policy, Regulation & Operations

Current:

- Director, MSU Raspert Flight Research Lab
- Vice-Chairman, AUVSI Board of Directors
- Associate Director, FAA UAS Center of Excellence
- Co-Chair, FAA/NASA DoD/DHS National UAS Science and Research Panel



Former:

- Office of the Secretary of Defense UAS Integration Chair
- Military Director, DoD Policy Board on Federal Aviation
- Air Force Chief of UAS Integration
- DoD Liaison to FAA Headquarters on UAS



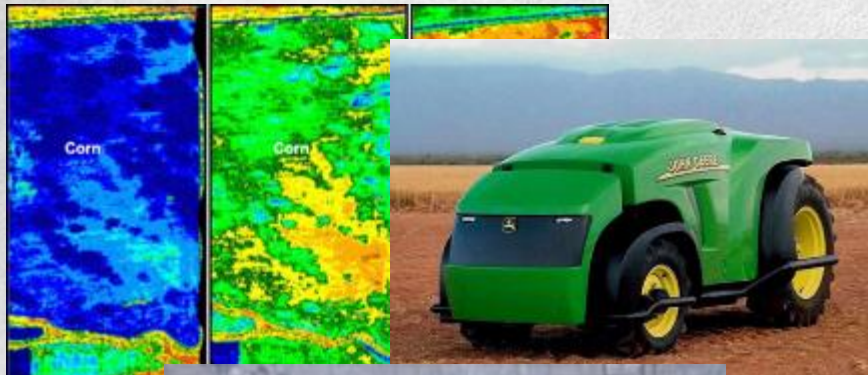
What we hear about...



MISSISSIPPI STATE
UNIVERSITY™

Raspnet Flight Research Laboratory

...and what we don't



"This technology gives us a better chance at finding missing people alive."



MISSISSIPPI STATE
UNIVERSITY™

Raspet Flight Research Laboratory

Research



MISSISSIPPI STATE
UNIVERSITY™

Raspert Flight Research Laboratory

FAA UAS Center of Excellence

The FAA's UAS Center of Excellence for UAS Research

ASSURE

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: PENNSYLVANIA DREXEL UNIVERSITY

AFFILIATE TEAM

- Alabama: AUBURN UNIVERSITY, TUSKEGEE UNIVERSITY
- Indiana: INDIANA STATE UNIVERSITY
- Louisiana: LA TECH UNIVERSITY
- Canada: CONCORDIA UNIVERSITY
- United Kingdom: UNIVERSITY of SOUTHAMPTON

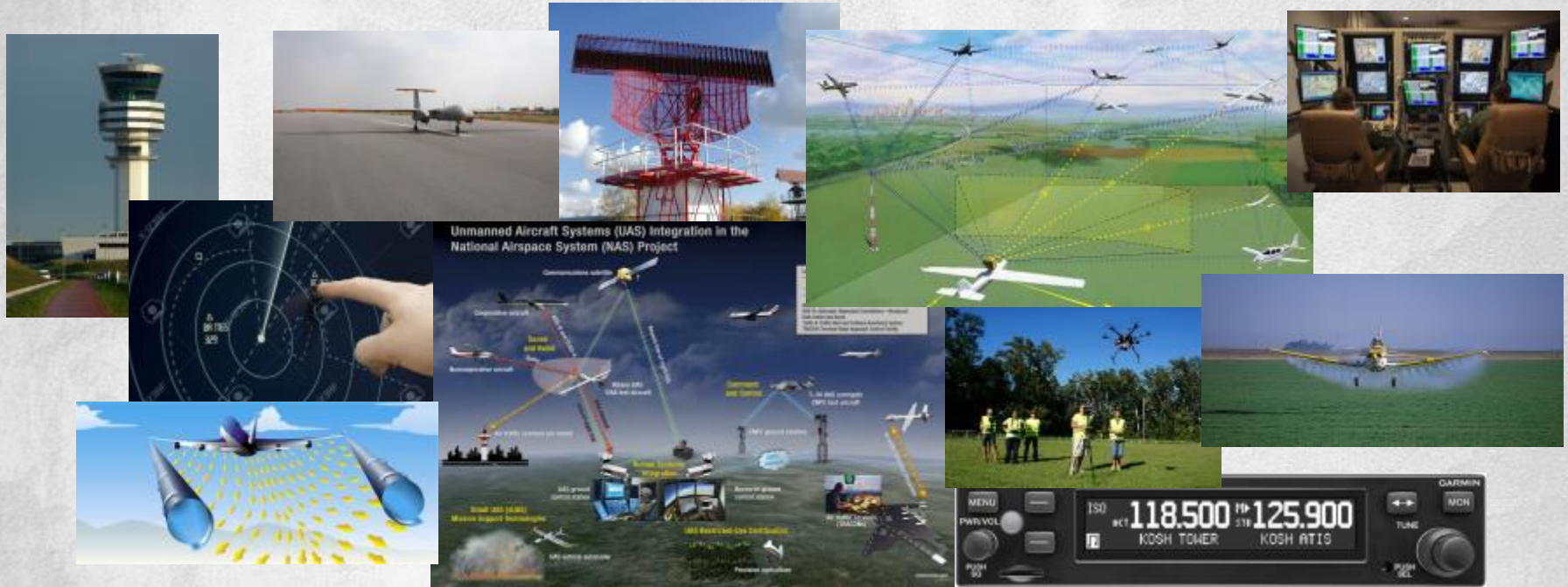
MISSISSIPPI STATE UNIVERSITY, LEAD UNIVERSITY



MISSISSIPPI STATE
UNIVERSITY™

Raspert Flight Research Laboratory

FAA UAS Center of Excellence



Air Traffic Control Interoperability

Airport Ground Operations
Control and Communication

Detect and Avoid

Human Factors

Low Altitude Operations Safety

Noise Reduction

Spectrum Management
Crew Training and Certification
UAS Traffic Management
UAS Wake Separation Standards



MISSISSIPPI STATE
UNIVERSITY™

Raspert Flight Research Laboratory

Key Issues



MISSISSIPPI STATE
UNIVERSITY™

Raspet Flight Research Laboratory

Safety



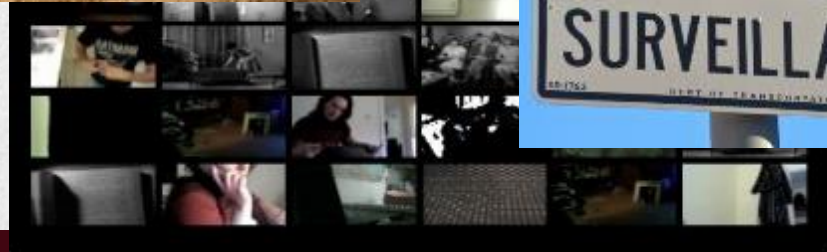
MISSISSIPPI STATE
UNIVERSITY™

Raspet Flight Research Laboratory

Integration



Privacy Protection



MISSISSIPPI STATE
UNIVERSITY™

Raspet Flight Research Laboratory

Remember...

- Know the Rules
- Know your Aircraft
- Respect the Rights of Others
- Be Safe
- Have Fun!



Contact



ASSUREuas



ASSUREuas



ASSURE UAS

www.ASSUREuas.org
www.raspets.msstate.edu



MISSISSIPPI STATE
UNIVERSITY™

Raspets Flight Research Laboratory

Questions?



UAV
First attempts



MISSISSIPPI STATE
UNIVERSITY™

Raspert Flight Research Laboratory