



# 38<sup>th</sup> Annual Louisiana Remote Sensing and GIS Workshop

Louisiana's Premier Workshop on Remote Sensing, GIS,  
Mapping Science, Spatial Analysis, and Geoinformatics

**April 14<sup>th</sup>, 15<sup>th</sup> and 16<sup>th</sup>, 2026**

University of Louisiana Lafayette  
LITE Center  
537 Cajundome Boulevard  
Lafayette, Louisiana

## AGENDA

### Tuesday, April 14, 2026

- 7:30 am – 9:30 am      **Vendor Set-up in Exhibition Area**
- 8:30 am – 9:30 am      **Continental Breakfast**
- 9:00 am – 5:00 pm      **Registration**  
**Vendor Exhibits**
- 9:30 am – 9:45 am      **Welcome and Announcements**  
Kathrine Cargo, GISP, LARSGIS Workshop Chair
- 9:45 am – 10:45 am    **Session 1: Enterprise GIS**  
**Moderator:** Rodney Yantis, ULL Regional Application Center
- 1) *SGS 3D Hydrography Program (3DHP) Data Acquisition and Partnerships*  
Michelle Fischer, USGS National Geospatial Program
  - 2) *Managing an Enterprise GIS in a Multi-Jurisdictional Environment*  
Justin Priola, GISP, City of Baton Rouge-Parish of East Baton Rouge
  - 3) *Bridging the Digital Divide*  
Matt Hiland, The Sanborn Map Company, Inc.
- 10:45 am – 11:15 am    **Break**



11:15 am – 12:15 pm **Session 2: Keynote Address**  
**Moderator:** Kathrine Cargo, GISP, LARSGIS Workshop Chair  
**Keynote Speaker:** Eva Reid

*Why Community Matters*

Eva Reid is the Program Manager for Geospatial Solutions and Analytics at Dewberry, an AEC firm in Fairfax, VA. With 30 years of experience in geospatial technology and data management, Eva is a sought-after keynote speaker, panelist, and moderator in technical and professional development spaces.

Prior to Dewberry, Eva was a Senior IT Program Manager for DC Health, the District of Columbia's health department. Eva also worked for the DC Office of the Chief Technology Officer, the District's central IT agency, and has a long history of service in the public sector.

Eva is a native New Yorker who earned a B.A. in Geography (cum laude) from Macalester College and a Master of Public Administration (M.P.A.) from Arizona State University.

12:15 pm – 1:30 pm **Lunch**  
**Sponsored By:** Acadian Ambulance

1:30 pm – 2:30 pm **Session 3: Environmental Applications of RS/GIS**  
**Moderator:** Lynn Dupont, ASLA, GISP, New Orleans RPC

- 1) *Classifying Land Change Using 20 Years of Data from the Coastwide Reference Monitoring System*  
Adam Constantin, Louisiana Coastal Protection and Restoration Authority
- 2) *Assessing Flood Resilience in Coastal Louisiana Using Geospatial Intelligence: A Remote Sensing and GIS Analysis of Grand Isle*  
Kingsford Kobina Annan, Department of Urban Forestry, Southern University
- 3) *Mapping Land/Water Gradients and Wetland Vegetation for the 2029 Louisiana Coastal Master Plan*  
Whitney Broussard III, PhD, GISP and Blake Simon, GISP, Freese and Nichols, Inc.

2:30 pm – 3:00 pm **Break**



3:00 pm – 4:00 pm

**Session 4: Improving Field Data Collection**

**Moderator:** Kate Friedman, LA Department of Health

- 1) *Easing the Routine: Aiding City Inspectors and Contractors Through Survey123 and Webhook Integration*  
Rhys Bellman, HDR Engineering Inc.
- 2) *Mapping Roadside Infrastructure Using 360° Imagery and AI Detection*  
Coy Leblanc and Stuart Hebert, C.H. Fenstermaker and Associates
- 3) *Integration of LiDAR and UAS Platforms into Modern GIS Workflows*  
Mark Forsyth, Seiler GeoDrones

4:00 pm – 5:00 pm

**Session 5: Weather and Climate**

**Moderator:** Warren Kron, GISP, Es<sup>2</sup>

**Gold Sponsor:** Es<sup>2</sup>

Gold Sponsor mini presentation: Andrew Milanes, Es<sup>2</sup>

- 1) *Reanalysis of Tornado Damage Paths in Inaccessible Areas of the Northern Gulf Coast Using High-Resolution Satellite Imagery*  
Tyler Stanfield, National Weather Service
- 2) *Weatherproof Your Ops: Embedding Real-Time Weather into GIS Workflows*  
Dan Gallagher and Megan Nichols, Baron Weather Inc.

5:30 pm – 8:30 pm

**Vendor Social Event**

**Sponsored By:** Es<sup>2</sup>

**Location:** Adopted Dog Brewing, 329 Dulles Drive, Lafayette



## Wednesday, April 15, 2026

- 8:30 am – 5:00 pm     **Registration**  
**Vendor Exhibits**
- 8:30 am – 9:00 am     **Continental Breakfast**
- 9:00 am – 9:15 am     **Welcome and Announcements**  
Kathrine Cargo, GISP, LARSGIS Workshop Chair
- 9:15 am – 10:45 am   **Session 6: Innovations in RS/GIS**  
**Moderator:** Andrew Milanes, Es<sup>2</sup>  
**Gold Sponsor:** Esri
- Gold Sponsor mini presentation: Greg Hymel, Esri
- 1) *The Automated Roadway: AI Tools Driving the Future of Enterprise GIS*  
Jason Carr and Monica Crout, Louisiana Department of Transportation and Development
  - 2) *Innovations in Indoor GIS and Imagery*  
Greg Hymel, Esri and Chad Netto, Es<sup>2</sup>
  - 3) *AI Assistants in ArcGIS*  
Joseph “Brig” Bowles, Esri
- 10:45 am – 11:15 am   **Break**
- 11:15 am – 12:15 pm   **Session 7: GIS in Education, Business, and Industry**  
**Moderator:** Thomas Rickett, Acadian Ambulance
- 1) *Building GIS Intelligence Packages for Operations and Business Decisions*  
Kathryn Walker, Acadian Ambulance
  - 2) *GIS in Education*  
Rejina Adhikari, Global Geospatial Institute
  - 3) *Habitat Hero: Using Native Plants, Community Science, and Participatory GIS to Augment Urban Pollinator Habitat Nationwide*  
Griffin Thompson, Department of Biology, Grand Valley State University
- 12:15 pm – 1:30 pm    **Lunch**



1:30 pm – 3:00 pm

**Session 8: Transportation**

**Moderator:** Justin Priola, GISP, City of Baton Rouge-Parish of East Baton Rouge

**Gold Sponsor:** Seiler Geospatial

Gold Sponsor mini presentation: Eric Bock and Kevin “Turtle” Cormier, Seiler

- 1) *From Historical Emergency Call Demand to Optimized Coverage: Operationalizing ArcGIS Network Analyst in EMS*  
Thomas Rickett, Acadian Ambulance
- 2) *Building a Regional Active Transportation Geodatabase*  
Leslie Couvillion, GISP and Kathryn Zeringue, New Orleans Regional Planning Commission
- 3) *The Power of Place: GIS-Driven Roadway Data for Safety and Planning*  
Jason Carr and Monica Crout, Louisiana Department of Transportation and Development
- 4) *Searching for Instrumental Variables in Modeling Induced Demand*  
Angela Antipova, Department of Earth Sciences, University of Memphis

3:00 pm – 3:15 pm

**Break**

**Student Poster Competition**

**Sponsor:** LA Chapter Geospatial Professional Network (GPN Louisiana)

3:15 pm – 4:00 pm

**Session 9: Social Applications of RS/GIS**

**Moderator:** Courtney Poirier Chicola, PhD, University of Louisiana Lafayette

- 1) *Taste Isn't Bought, It's Befriended: The Limits and Opportunities of AI when Communicating Crime Trends*  
Ryan Gomez, Orleans Parish District Attorney's Office
- 2) *Tracking Population/Housing Change in Southeast LA 2000 - 2020*  
Lynn Dupont, ASLA, GISP, New Orleans Regional Planning Commission

4:00 pm – 5:00 pm

**Session 10: Student Poster Competition and Awards Ceremony**

**Moderators:** Brent Yantis and Lynn Dupont

5:30 pm – 8:30 pm

**Workshop Social Event – Crawfish Boil**

**Sponsored By:** Seiler Geospatial

**Location:** Moncus Park Pavillion, 2913 Johnston Street, Lafayette



**Thursday, April 16, 2026**

**Vendor Technology Workshops**

- 8:30 am – 9:00 am      **Registration  
Continental Breakfast**
- 8:30 am – 11:00 am    **Vendor Exhibits**
- 9:00 am – 12:00 pm    **Session 11: Mastering ArcGIS Pro Workshop**  
**Instructor:** Joseph “Brig” Bowles, Esri  
**Moderator:** Courtney Poirier Chicola, PhD, University of Louisiana Lafayette  
**Location:** Abdalla Hall, 635 Cajundome Blvd, Computer Lab, Room #164  
**Note:** Space will be limited to 36 participants.
- 9:00 am – 10:15 am    **Session 12: UAS Demo**  
**Presenter:** Major Dean Aucoin II and Nicholas Firmin, LA Dept. of Wildlife and Fisheries  
**Moderator:** Brad Mooney, LA Dept. of Wildlife and Fisheries
- 10:15 am – 11:30 am   **Session 13: What’s New in Field Data Collection**  
**Presenters:** Eric Bock and Kevin “Turtle” Cormier, Seiler Geospatial  
**Moderator:** Kathrine Cargo, GISP
- 11:00 am – 12:00 pm   **Vendor Take-down in Exhibition Area**



## Poster Presentations

### Student Poster Competition

- 1) *Changing Agricultural Landscapes in Hawaii*  
Alexis Sager, University of New Orleans, New Orleans LA
- 2) *Towards Virtual Hydrological Stations: Integrating UAV Velocimetry, ADCP Bathymetry, and GIS Modeling for River Discharge Estimation.*  
Bijaya Adhikari and Lei Wang, Louisiana State University, Baton Rouge LA
- 3) *LiDAR Monitoring of Oyster Reef Restoration*  
Claudia Miller, Avi Strange, and Thomas DeCarlo, Tulane University, New Orleans LA
- 4) *Estimating Suspended Sediment Concentration with Machine Learning and Satellite Imagery in the Lower Mississippi River*  
Emmanuel Adeniyi and Lei Wang, Louisiana State University, Baton Rouge LA
- 5) *Below Sea Level Aid: Using GIS to Enhance Harm Reduction and Mutual Aid Efforts*  
Griffin S. Thompson, Below Sea Level Aid, New Orleans LA; Jack Waguespack-Slooijer, Grand Valley State University, Allendale MI
- 6) *Walksheds, Weighting, and Predictive Power: A Geospatial Validation of the TPI*  
Jacqueline Strohmeier, University of New Orleans, New Orleans LA
- 7) *Changes in Land Use and Access to Public Services Using GIS Modeling: Case Study from Monroe, Louisiana*  
K.K. Annan, Z.H. Ning, and Y.A. Twumasi, Southern University, Baton Rouge LA; C.A. Adjei, University of Cape Coast, Ghana
- 8) *Social Vulnerability and Chemical Disasters in Southeast Louisiana*  
Michael Esealuka, University of New Orleans, New Orleans LA
- 9) *Spatial Analysis of Urban Heat Exposure and Social Vulnerability within Orleans Parish*  
Nick Kleppinger, University of New Orleans, New Orleans LA
- 10) *Estimating sea level change and analyzing land dynamics on the coast of a deltaic country using multi-sensor satellite and hydrographic observations*  
Sanjoy Roy, Xuelian Meng, Mizbah Ahmed Sresto, Basant Awasthi, Manisha K C, Sudeep Kuikel, Louisiana State University, Baton Rouge LA
- 11) *Urbanization Gradients Structure Mammal Species Richness in a Gulf Coast City, New Orleans, Louisiana, USA*  
V. Thapa, N.M. Anthony, S. Whitfield, S. Claramunt, M. Murray, University of New Orleans and Audubon Nature Institute, New Orleans LA and Urban Wildlife Institute, Chicago IL



## 2026 Workshop Volunteers:

Amy Brassieur	Iberia Parish Government
DeWitt Braud	Department of Oceanography and Coastal Sciences, LSU
Phillip Breaux, GISP	LSU Center for Analytics & Research in Transportation Safety
Kathrine Cargo, GISP	Orleans Parish Communication District
Courtney Chicola, PhD	Regional Application Center at the University of Louisiana at Lafayette
Adam Constantin	Coastal Protection and Restoration Authority of Louisiana
Chelsea Core, GISP	Acorn International, LLC
Leslie Couvillion, GISP	New Orleans Regional Planning Commission
Lynn Dupont, ASLA, GISP	New Orleans Regional Planning Commission
Michelle Fischer	USGS National Geospatial Program
Kate Friedman, MNS	Louisiana Office of Public Health
Alliott Green, GISP	Geoux Teche
James Greene	Ouachita Parish 911 Communications District
Fran Harvey, GISP	Global Geospatial Institute
Warren Kron, GISP	Es <sup>2</sup> , Inc.
Melodie Landry	City of Baton Rouge/Parish of East Baton Rouge
Charles Larrouilh	Acorn International, LLC
Rusti Liner, GISP	Ascension Parish Assessor's Office
Molly McGraw, Ph.D.	Southeastern Louisiana University
Andrew Milanes, PE, GISP	Es <sup>2</sup> , Inc.
Brad Mooney, GISP	Louisiana Department of Wildlife and Fisheries
R. Hampton Peele	Coastal Ecosystem Design Studio, Louisiana State University
Aimee Preau, GISP	Louisiana Department of Environmental Quality
Justin Priola, GISP	City of Baton Rouge/Parish of East Baton Rouge
Thomas Rickett	Acadian Ambulance
Sadie Whitehurst	LA Office of Cultural Development, Division of Archeology
R. Brent Yantis	Regional Application Center at the University of Louisiana at Lafayette
Kathryn Zeringue	New Orleans Regional Planning Commission