

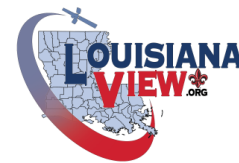
WELCOME TO THE 2024 GEOSERVICE SUMMER WORKSHOP

Intimate Science – *the Intersection of ...* Science,
Technology, Engineering, Art and Math

Bridging the gap between science and the public's
perception of science



RISING WATER



WEEK OUTLINE:

MONDAY:

- Location: Regional Application Center; indoor activities
- Lunch: Hilton Garden Inn

TUESDAY:

- Location: Lafayette Science Museum; both indoor and outdoor activities
- Lunch: Pizza (Sponsored by *****)

WEDNESDAY

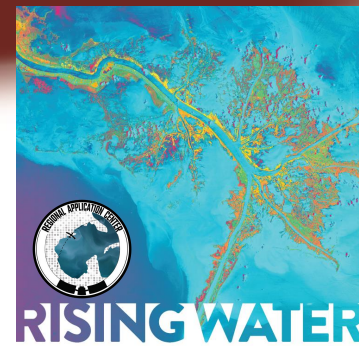
- Location: Regional Application Center; both indoor and outdoor activities
- Lunch: Hilton Garden Inn

THURSDAY

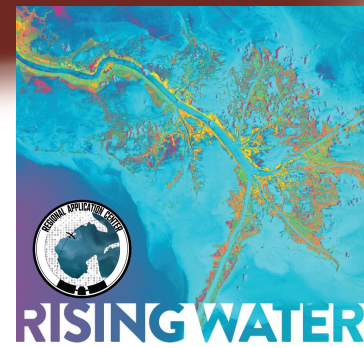
- Location: Regional Application Center; indoor activities
- Lunch: Hilton Garden Inn

FRIDAY

- Location: Regional Application Center; both indoor and outdoor activities
- Lunch: Hilton Garden Inn



FACULTY SPOTLIGHT



R. Brent Yantis

Director

NASA/UL Lafayette Regional Application Center

Brent Yantis is the Director of the NASA/UL Lafayette Regional Application Center located in the Research Park of the University of Louisiana at Lafayette. He has a Bachelor's degree in Agriculture and a Master's Degree in Landscape Architecture: Landscape Ecology/GIS and Remote Sensing from Louisiana State University. He is currently a member and former Board Chair of the National AmericaView program; Director of LouisianaView; State GeoSpatial Contractor to the Louisiana Army National Guard; a member of LaURISA and a project manager for the International Charter.

FACULTY SPOTLIGHT



Rebecca L. Dodge

Emeritus and Adjunct Associate Professor

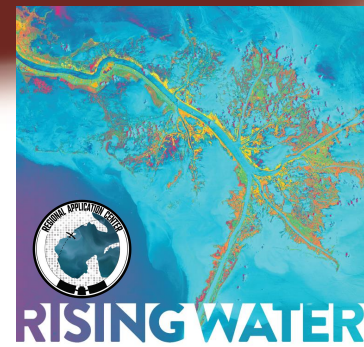
Midwestern State University

TexasView Principal Investigator

Rebecca L. Dodge teaches Environmental Science and Geoscience courses with a focus on teacher training and undergraduate education. She has applied satellite imagery for seismicity studies in the western United States, for petroleum and minerals exploration internationally, and for environmental analysis of hydrology and land cover change in Georgia and Texas. She is a founding member of AmericaView and serves as a Board member. She is Vice President of Sections for the American Association of Petroleum Geologists.

FACULTY SPOTLIGHT

Dr. Heather N. Stone



Dr. Stone is an educator who seeks out stories that need to be told. Her work takes her beyond the classroom and into communities facing disruptive environmental change. Stone's work helps people in these communities explain how they are adjusting and what their journey to resilience looks like. Together, they integrate oral histories and virtual reality to create one-of-a-kind stories, curated by the people who live them. When Stone shares these stories with students, local officials, and policy makers, they all learn more about what it means to sustain vibrant lives on a changing planet.

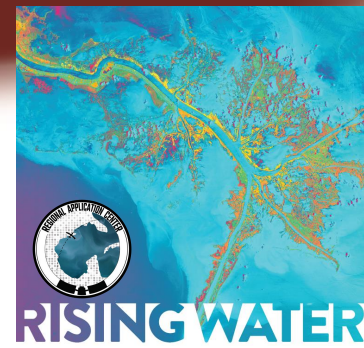
FACULTY SPOTLIGHT



Jennifer Hargrave

Director, UL Lafayette Science Museum
Senior Instructor of Geology
University of Louisiana Lafayette

Jennifer Hargrave has been an instructor of Geology at the University of Louisiana Lafayette since 2016, teaching paleontology classes. Since 2022, she has served as the Director of the UL Lafayette Science Museum, creating outreach to local schools and the monthly STEM Saturdays program. Her research interests include fossils from the Cenozoic, include those from Oregon and new sites in Acadiana.



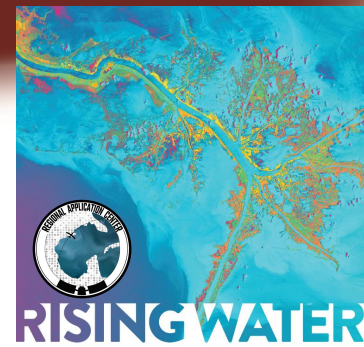
FACULTY SPOTLIGHT



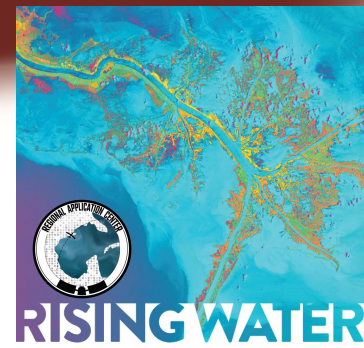
Kathleen Schott Espinoza

Master Instructor of Geography
University of Louisiana Lafayette

Kathleen Schott Espinoza has been an instructor of Geography at the University of Louisiana Lafayette since 2007. In addition to a full-time teaching load, she has served on numerous committees and currently is part of an effort to promote and integrate Geographic Information Systems (GIS) education into undergraduate programs at the university. In the community Kathleen serves as a member of a parish wide effort to support Lafayette Parish Public Schools and is a board member of a foundation that supports the Vermilionville Living History Museum. She also leads the local chapter of the League of Women Voters. She has long been inspired by the people she has met and worked with who shine light on important issues and help to create places where public discourse and decision making can happen effectively.



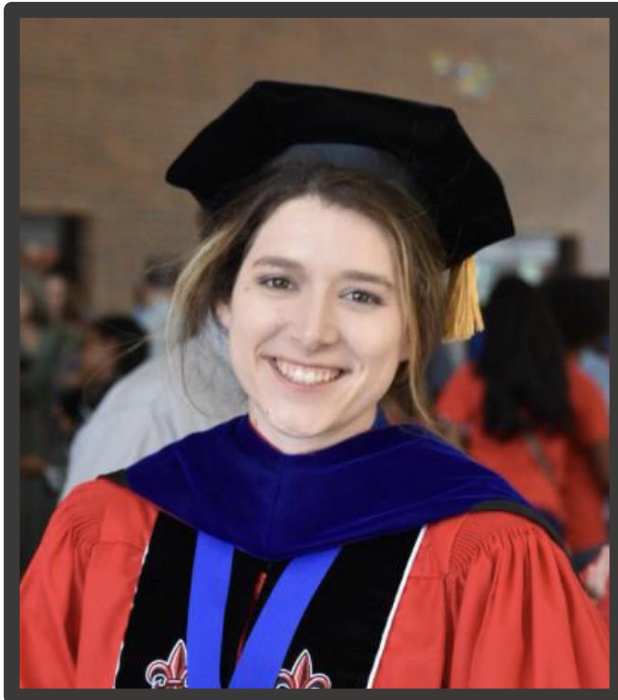
FACULTY SPOTLIGHT



Courtney A. Poirier Chicola

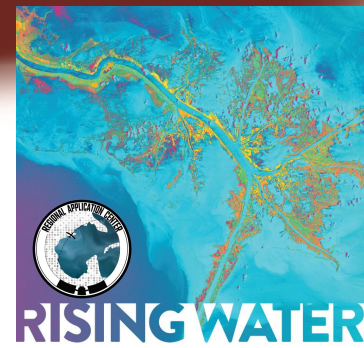
Post Doctoral Researcher

NASA/UL Lafayette Regional Application Center



Dr. Courtney is a postdoctoral researcher at the NASA/UL Lafayette Regional Application Center located in the Research Park of the University of Louisiana at Lafayette. She has a Bachelor's degree in Environmental Science, Master's degree in Environmental Resource Science, and a PhD in Earth and Energy Sciences from the University of Louisiana at Lafayette. Her research focuses on ecohydrology, atmospheric chemistry, geoscience education, and GIS/remote sensing. As a member of the National AmericaView and LouisianaView program, she coordinates education outreach materials including the traveling Earth as Art exhibit and undergraduate mentorship program focusing on earth observation and geosciences.

STUDENT MENTOR SPOTLIGHT



Tiffany
Armentor



Bree
Landry



Joseph
Kolb



Hayden
Smith



Kaitlyn
Caminita



John
Meaney



Billy
Poirier



Meg
Chauvin



Nathaniel
Pharis



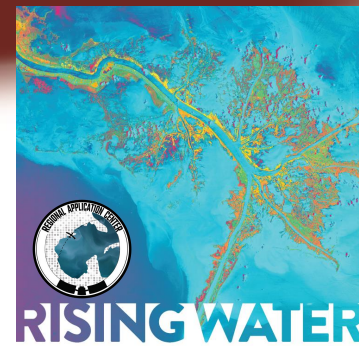
Grace
Blanchard



Crystallyn
Savoie

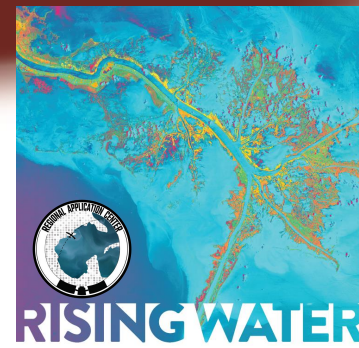
MONDAY Activities and Presentations

- 9:00 – 9:15am Student Online Survey
- 9:15 – 9:45 Introduction to week and Intro to faculty and departments/programs
- 9:45 – 10:15 Ice Breaker – University Student Mentor Introductions
- 10:15 – 10:30 **BREAK**
- 10:30 – 11:30 University Student Mentor StoryMap Presentations
- 11:30 – 12:00 Earth as Art Pop-Up Diorama Activity
- 12:00 – 1:00pm **LUNCH** – Hilton Garden Inn
- 1:00 – 1:30 Ice Breaker – Camper Introductions
- 1:30 – 2:00 An Introduction to Earth Observation
- 2:00 – 2:10 **BREAK**
- 2:10 – 3:30 Working with ArcGIS Pro/Online/Rivers Game



TUESDAY Activities and Presentations

- 9:00 – 9:15am Intro to Lafayette Science Museum
- 9:15 - 9:45 Intro to Thermal and Spectral Sensors
- 9:45 - 10:30 Data Collection – Sampling #1 – Downtown Lafayette
- 10:30 – 10:45 **BREAK**
- 10:45 – 11:45 Museum Exhibits – Earth as Art – Puzzle Competition
- 11:45 - 12:45pm **LUNCH** – Pizza – Museum Tour
- 12:45 – 1:15 Data Collection – Sampling #2 – Downtown Lafayette
- 1:15 – 2:00 Thermal/Spectral – Data Processing
- 2:00 - 2:10 **BREAK**
- 2:10 - 3:30 Planetarium – Embarking on the Stars!



WEDNESDAY

Activities and Presentations

9:15 - 10:00am

NASA AEROKAT Kite Training

10:00 - 10:15

BREAK

10:15 - 11:30

NASA AEROKAT Kite Flying

11:30 - 12:45pm

LUNCH – Hilton Garden Inn

12:45 – 1:45

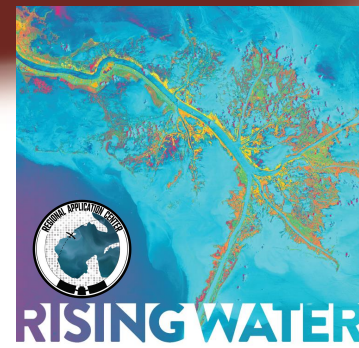
Drone Exhibition and Flying

1:45 – 2:00

BREAK

2:00 – 3:30

Intro to StoryMap Development



THURSDAY Activities and Presentations

- 9:00 - 10:00am Intro to Geographic Information Systems (GIS)
- 10:00- 10:45 Imagery Processing Tutorial
- 10:45 - 11:00 **BREAK**
- 11:00 - 11:30 Change Detection/Kahoot Game
- 11:30 - 12:00 Change Detection Memory Game
- 12:00 -1:00pm **LUNCH** – Hilton Garden Inn
- 1:00 - 2:30 Hydrology Methods/Instrument Testing/Stream Tables
- 2:30 - 2:40 **BREAK**
- 2:40 - 3:30 Camp Teams Story Map Development



FRIDAY

Activities and Presentations

- 9:00 - 9:15am Camp Teams Story Map Lightning Round
- 9:15 - 10:30 Story Map Development
- 10:30 - 10:45 **BREAK**
- 10:45 - 11:30 Story Map Development continues
- 11:30 - 12:30 **LUNCH** – Hilton Garden Inn
- 12:30 - 1:30pm Frustrationless Flyers Kite Building
- 1:30 - 1:45 **BREAK**
- 1:45 - 2:15 Story Map Development continues
- 2:15 - 3:00 Camp Teams Story Map Presentations
- 3:00 - 3:15 Wrap Up and Presentation of Certificates
- 3:15 – 3:30 Student Online Survey



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