



2023 State of the Coast Presenters

LSU researchers are presenting more than 60 talks and posters at the State of the Coast conference. For more information, visit the LSU and Louisiana Sea Grant College Program booth or visit lsu.edu/state-of-the-coast. Follow us on Twitter @LSU and @LSUResearch.

START	END	LSU RESEARCHER	PRESENTATION OR POSTER ABSTRACT	ROOM #	SESSION
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WEDNESDAY, MAY 31

1:30 PM	3:00 PM	Samuel Bentley (Moderator)	Introducing the Mississippi River Delta Transition Initiative	204	Session 1
1:30 PM	3:00 PM	George Xue (Panelist)	Introducing the Mississippi River Delta Transition Initiative	204	Session 1
1:30 PM	3:00 PM	Carol Wilson	Introducing the Mississippi River Delta Transition Initiative	204	Session 1
1:30 PM	3:00 PM	Traci Birch	The NASEM Gulf Research Studios: Building on Lessons from the Pilot Year	213	Session 2
1:30 PM	3:00 PM	John Day	Building a Resilient Community and a Regenerative Blue Economy for Our Gulf Coast Communities	211 - 212	Session 3
1:30 PM	3:00 PM	Anamika Dristi	Understanding Influences of Biogeochemical Cycles in the Coastal and Offshore Environment	209	Session 5
1:30 PM	3:00 PM	John White	Understanding Influences of Biogeochemical Cycles in the Coastal and Offshore Environments	209	Session 5
1:30 PM	3:00 PM	Brian Matherne	Understanding Influences of Biogeochemical Cycles in the Coastal and Offshore Environment	209	Session 5
3:30 PM	5:00 PM	John Day (Panelist)	Legal Ramifications Surrounding the Latest Scientific Evidence in the Pipeline Canals and Land Loss	210	Session 15
3:30 PM	5:00 PM	Elizabeth Harris	Legal Ramifications Surrounding the Latest Scientific Evidence in Pipeline Canals and Land Loss	210	Session 15
3:30 PM	5:00 PM	Mohamed Hassan	Looking Below the Surface to Inform Better Restoration Outcomes	209	Session 16
3:30 PM	5:00 PM	Aylett Lipford	Coastwide avian restoration facilitated by interdisciplinary collaboration: Louisiana's success	206	Session 17

THURSDAY, JUNE 1

8:30 AM	10:00 AM	Megan LePeyre	Modeling to Inform Sustainable Oyster Populations in Louisiana's Estuaries	209	Session 27
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START	END	LSU RESEARCHER	PRESENTATION OR POSTER ABSTRACT	ROOM #	SESSION
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8:30 AM	10:00 AM	Romain Lavaud	Modeling to Inform Sustainable Oyster Populations in Louisiana's Estuaries	209	Session 27
10:30 AM	12:00 PM	Clint Willson (Moderator)	Lower Mississippi River Physical Model: Operations, Calibration, and Cross-Calibration	204	Session 34
10:30 AM	12:00 PM	Emily Fertitta	Lower Mississippi River Physical Model: Operations, Calibration, and Cross-Calibration	204	Session 34
10:30 AM	12:00 PM	Julia Mudd	Lower Mississippi River Physical Model: Operations, Calibration, and Cross-Calibration	204	Session 34
10:30 AM	12:00 PM	Ashley Booth (Moderator)	Project Performance - Marsh Creation, Terraces, Living Shorelines	206	Session 39
1:30 PM	3:00 PM	Kevin Stoner	Marsh Creation Design and Assessment	206	Session 50
1:30 PM	3:00 PM	Kristin DeMarco (Moderator)	Diverse Benefits of Coastal Restoration	205	Session 52
1:30 PM	3:00 PM	Skylar Liner	Diverse Benefits of Coastal Restoration	205	Session 52
1:30 PM	3:00 PM	Robert Rohli (Moderator)	Flood Risk Management Through Actionable Information for Gulf Coast Homeowners	207	Session 53
1:30 PM	3:00 PM	Carol Friedland (Session Organizer)	Flood Risk Management Through Actionable Information for Gulf Coast Homeowners	207	Session 53
1:30 PM	3:00 PM	Md Adilur Rahim	Flood Risk Management Through Actionable Information for Gulf Coast Homeowners	207	Session 53
3:30 PM	5:00 PM	Md Adilur Rahim	Disaster Recovery and Planning for Social Resilience	210	Session 59
3:30 PM	5:00 PM	Zhengchen (John) Zang	Using Modeling to Understand Processes, Inform Restoration Efforts, and River Management	209	Session 60
3:30 PM	5:00 PM	Robert Feder	Mid-Barataria Sediment Diversion	206	Session 61
3:30 PM	5:00 PM	Mercedes Pinson Delgado	Mid-Barataria Sediment Diversion	206	Session 61

START	END	LSU RESEARCHER	PRESENTATION OR POSTER ABSTRACT	ROOM #	SESSION
3:30 PM	5:00 PM	Traci Birch (Session Organizer)	Developing Integrated Engineering and Design Solutions (DEEDS) for Coastal Louisiana	208	Session 62
3:30 PM	5:00 PM	Jacob Gautreaux	Developing Integrated Engineering and Design Solutions (DEEDS) for Coastal Louisiana	208	Session 62
3:30 PM	5:00 PM	Grayson Loudon	Developing Integrated Engineering and Design Solutions (DEEDS) for Coastal Louisiana	208	Session 62
5:00 PM	6:30 PM	POSTER RECEPTION		Poster Hall	

FRIDAY, JUNE 2

10:00 AM	11:30 AM	George Washburn	Project Successes and Ecosystem Impacts - Rivers and Swamps	205	Session 74
10:00 AM	11:30 AM	John White	Project Successes and Ecosystem Impacts - Rivers and Swamps	205	Session 74
1:30 PM	3:00 PM	Traci Birch	Using Data for Decision-making to Strengthen Community and Individual Resilience	211 - 212	Session 80
1:30 PM	3:00 PM	Rebeca de Jesus Crespo	Using Data for Decision-making to Strengthen Community and Individual Resilience	211 - 212	Session 80
1:30 PM	3:00 PM	Yanda Ou	Novel Approaches in Predicting and Planning for Coastal Change	208	Session 84
1:30 PM	3:00 PM	Z. George Xue	Novel Approaches in Predicting and Planning for Coastal Change	208	Session 84
3:30 PM	5:00 PM	Xiaochen Zhao	Mississippi River Sediment Dynamics: Past, Present, and Future	204	Session 89
3:30 PM	5:00 PM	Ashley Booth	Understanding Factors That Influence Vegetation Survival	209	Session 93
3:30 PM	5:00 PM	Olivia Hurley	Understanding Factors That Influence Vegetation Survival	209	Session 93
3:30 PM	5:00 PM	Tracy Quirk	Understanding Factors That Influence Vegetation Survival	209	Session 93
3:30 PM	5:00 PM	Krysten Boswell	RESTORE Act Center of Excellence for LA: Research Highlights and Coastal Master Plan Utilization	208	Session 95

LSU RESEARCHER	POSTER TITLE	LOCATION
POSTERS		
Fahmida Akhter	How to Address Ecosystem Services and Equity into Benefit-Cost Analysis (BCA)	Poster Hall
Omar Alawneh	Fragility Curves of Levee Relief Wells During High River Stage	Poster Hall
Omar Alawneh	Undrained Shear Strength Comparison of Mud-capped Dredged Pits in the Northern Gulf of Mexico	Poster Hall
Cyrus Bahman	Impacts of Major Hurricanes on Barrier Island Geomorphology: A Case Study of Grand Isle, LA	Poster Hall
Daoyang Bao	Gulf-COAWST: Using a Novel Coupled Hydrological-Ocean Model to Better Forecast Water Level Variation	Poster Hall
Jasmine Bekkaye	Geomorphological Response of Coastal Wetlands to Major Hurricanes in Rockefeller Wildlife Refuge	Poster Hall
Linda Bui	Eva Legard Center for Coastal and Environmental Studies: A University-Public School Partnership	Poster Hall
Linda Bui	LSU National Academies of Sciences Gulf Renaissance Scholars Program	Poster Hall
Daena Carrillo	Safeguarding Ecological Knowledge from the Effects of Climate Change: An Archival Approach	Poster Hall
Jackson de Gruy	Rice and Rights: Navigating the Complexities of Water Allocation in Southwest Louisiana	Poster Hall
Robert Feder	Impact of River Diversions on Salinity and Nutrient Availability in Brackish Marsh Soils	Poster Hall
Daniel Gallegos	Comparison of Efficiency in Marsh Creation Projects	Poster Hall
Anissa Hyde	Small Areas, Big Events: Planning for Future Migration in Coastal Louisiana	Poster Hall
Junhong Liang	Simulating River-borne Macro- and Microplastics Over the Louisiana/Texas Continental Shelf	Poster Hall
Junhong Liang	Control of Upper-ocean Vertical Mixing on Water Quality in the Northern Gulf of Mexico	Poster Hall

LSU RESEARCHER	POSTER TITLE	LOCATION
Austin Lynn	Investigating the Role of Flooding and Phytotoxins in Phragmites australis Dieback	Poster Hall
Giulio Mariotti	Barge-driven Resuspension Enables Sediment Bypassing in the Gulf Intracoastal Waterway	Poster Hall
Youssef Mousa	Large-scale Laboratory Direct Shear Testing for Wetland Root Strength	Poster Hall
Wood Oglesby	Louisiana's Alternative Oyster Culture Grants Program: Development, Implementation, and Present	Poster Hall
Mercedes Pinzon-Delgado	Impact of River Reconnection on Water Quality in Brackish Marsh in Coastal Louisiana, USA	Poster Hall
Jonathan Simak	Carbon Dynamics of a Shallow Eutrophic Lake in Relation to Seasonality and Various Lake Parameters	Poster Hall
H. Omar Ulloa	Machine Learning Based Organic Soils Classification Using CPTu Data	Poster Hall
Vanessa van Heerden	Spatial Trends of Human Population Dynamics with Louisiana Wetland Ecosystem Services	Poster Hall
Zhenwei Wu	Assessment of Heavy Metal Pollution in Surface Sediment Along the Calcasieu River	Poster Hall
Jun Xu	What Can Be Learned from the Lower Mississippi River and Lower Atchafalaya River Diversions?	Poster Hall
Le Zhang	Gulf-COAWST: Quantify Carbon Transport and Cycling at the Land-Estuary-Ocean Continuum Using a Coupled Physical-Biogeochemical Model	Poster Hall

WITH A COASTAL LEGACY DATING BACK THREE-QUARTERS OF A CENTURY, LSU IS AT THE FOREFRONT OF DISCOVERY FROM WHERE THE LAND MEETS THE SEA TO THE DEEPEST PARTS OF THE OCEAN.

LSU faculty consult and collaborate on research on every continent and equip about 1,000 graduates per year with multidisciplinary tools to address real-world coastal issues.

LSU is the leader in educating the coastal workforce and providing the gold-standard of source information on the coast and environment. Our research helps stakeholders to better understand causes, impacts, and restoration strategies for today's most pressing coastal and environmental challenges and threats.

We are located on the seventh largest delta and the fourth longest river in the world, which are living laboratories for research. LSU students, alongside our outstanding faculty, conduct groundbreaking research around the world.

Colleges, Centers & Institutes

<p>College of the Coast & Environment</p> <p>225-578-6316 lsu.edu/cce</p>	<p>College of Engineering</p> <p>225-578-4630 lsu.edu/eng</p>	<p>College of Science</p> <p>225-578-4200 lsu.edu/science</p>
<p>Center for River Studies</p> <p>225-578-8672 lsu.edu/river</p>	<p>Coastal Ecosystem Design Studio</p> <p>225-578-4990</p>	<p>Coastal Studies Institute</p> <p>225-578-2395 lsu.edu/csi</p>
<p>Coastal Sustainability Studio</p> <p>css.lsu.edu</p>	<p>Delta Institute</p> <p>deltainstitute@lsu.edu</p>	<p>Louisiana Sea Grant College Program</p> <p>225-578-6517 laseagrant.org</p>
<p>Office of Research & Economic Development</p> <p>225-578-5833 lsu.edu/research</p>		