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# Event Agenda

25th Anniversary Tulane Engineering Forum

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## Friday, May 09, 2025

7:30 AM - 8:15 AM

**Continental Breakfast**

Location: Rooms 286-87

8:15 AM - 8:45 AM

**Opening Session Welcome (sponsored by Ampirical)**

Location: New Orleans Theater, Section A

Chairperson: Charles Mart

**Michael Fitts, President, Tulane University**

8:15 AM - 8:25 AM

Location: New Orleans Theater, Section A

**Colette Hirstius, Executive Vice President, Gulf of America, Shell**

8:25 AM - 8:35 AM

Location: New Orleans Theater, Section A

Speaker: Colette Hirstius

**Chuck Mart, 2025 Chairperson, Tulane Engineering Forum**

8:35 AM - 8:45 AM

Location: New Orleans Theater, Section A

8:45 AM - 10:15 AM

**Morning Plenary: Energy and the Energy Future We All Desire (sponsored by Pelican Energy)**

Location: New Orleans Theater, Section A

Moderator: Pierre Conner ; Speakers: Nigel Jenvey, David Hahn, Reagan Farr, James Martin

10:15 AM - 10:45 AM

**Morning Break: Middle and High School Robotics Demonstrations and Science Fair Displays; Tulane Undergrad Senior Design Project Showcase**

Location: Rooms 286-287

10:45 AM - 12:15 PM

**Session A: Infrastructure (sponsored by CSRS)**

Location: Rooms 291-292

**I-95 Bridge Collapse, Repair, and Replacement**

10:45 AM - 11:15 AM

Speaker: David Adams

**Pittsburgh's Three Sisters Bridge Rehab**

11:15 AM - 11:45 AM

Speaker: Mike Burdelsky

**Repair and Rehabilitation of Historic Suspension Bridges**

11:45 AM - 12:15 PM

Speaker: Ben Reeve, PE

10:45 AM - 12:15 PM

**Session B: Energy - The Emergence of Nuclear Small Modular Reactors (sponsored by ENFRA)**

Location: New Orleans Theater, Section A

**The 30,000 ft. View of SMR Technologies and the Opportunities Driving the Market**

10:45 AM - 11:15 AM

Speaker: Dr. Regis Matzie

**Resurgence of Generation III Small Modular Reactors**

11:15 AM - 11:45 AM

Location: New Orleans Theater

Speaker: Chuck Goodnight

**A Customer's Perspective - Deploying Small Nuclear Reactors**

11:45 AM - 12:15 PM

Speaker: Kreshka Young

10:45 AM - 12:15 PM

Session C: Oil and Gas (sponsored by Fluor)

Location: Rooms 283-285

Process Safety - Risk Management in the Chemicals Industry

10:45 AM - 11:15 AM  
Speaker: Ben White

A Better Circle: Molecular Recycling via Methanolysis Enables A New Generation of Circular Polyester Opportunities

11:15 AM - 11:45 AM  
Speaker: Kenneth Flint

Carbon Capture and Sequestration Project

11:45 AM - 12:15 PM  
Speaker: Andrew Brennan

10:45 AM - 12:15 PM

Session D: Space (sponsored by ICC)

Location: Rooms 288-290

The History of the International Space Station

10:45 AM - 11:15 AM  
Speaker: Ansley Browns

Space Propellant Tanks – What’s inside of them

11:15 AM - 11:45 AM  
Speaker: Logan Walters

Blue Ghost Mission 1 - The First Successful Commercial Lander

11:45 AM - 12:15 PM  
Speaker: Ray Allensworth

12:30 PM - 2:15 PM

Luncheon (sponsored by Entergy and Laitram)

Location: Rooms 293-296

Deans' Perspectives Roundtable

12:30 PM - 1:00 PM  
Speakers: Nick Altiero, PhD, Kimberly Foster, PhD, Hridesh Rajan, PhD, Charles Mart

New Orleans and the Space Economy (introducing speaker)

1:00 PM - 2:00 PM  
Speakers: Alexander MacDonald, Tia Ferguson

2:15 PM - 3:45 PM

Session E: Infrastructure

Location: Rooms 291-292

Crescent City Connection Decorative Bridge Lighting

2:15 PM - 2:45 PM  
Speaker: Jon Gerhart

Moving Heavy Structures: How Innovative Advances In Gearless Drives Improve Performance, Reliability, Size & Weight

2:45 PM - 3:15 PM  
Speaker: Ashok Amin

Repairs to the Historic Old Hwy 182 Tenn-Tom River Bridge

3:15 PM - 3:45 PM  
Speaker: Randy Boudreaux

2:15 PM - 3:45 PM

Session F: Energy - Recent Technology Developments in the Electric Utility Industry (sponsored by Siemens Energy)

Location: New Orleans Theater, Section A

Impact of the Rise of AI and Data Centers on the Utility Business

2:15 PM - 2:45 PM  
Speaker: Hugh Le

Applications of (Gen)AI in the Utility Sector

2:45 PM - 3:15 PM  
Speaker: Harnish Jani

Hydrogen Energy Solutions for Power & Fueling

3:15 PM - 3:45 PM  
Speaker: Rick Harlow

**2:15 PM - 3:45 PM**

**Session G: Water (sponsored by EIS)**

Location: Rooms 283-285

**The Future of the Mississippi Bird Foot Delta as a Key Socio-economic and Environmental Hub**

2:15 PM - 2:45 PM

Speaker: Mead Allison, PhD

**New Orleans Hurricane and Storm Damage Reduction System -- 20 Years after Hurricane Katrina**

2:45 PM - 3:15 PM

Speaker: Charles Hess

**River Engineering in the Lower Mississippi River**

3:15 PM - 3:45 PM

Speaker: David Biedenham

**2:15 PM - 3:45 PM**

**Session H: Innovation (sponsored by MSB Consulting Engineers)**

Location: Rooms 288-290

**MAGIC-SCAN: Engineering Tulane's Cancer Moonshot**

2:15 PM - 2:45 PM

Speaker: J. Quincy Brown

**Overview of NSF Program Future Use of Energy in LA (FUEL)**

2:45 PM - 3:15 PM

Speaker: Michael Mazzola

**Next-Generation Supply Chains: The Technology and Innovation Driving the Future of Logistics**

3:15 PM - 3:45 PM

Speaker: Joseph Mulford

**3:45 PM - 4:00 PM**

**Afternoon Break**

**4:00 PM - 5:00 PM**

**Ethics: The Ethics of Self-regulation**

Location: New Orleans Theater, Section A

Speaker: Karl Tonander

**4:00 PM - 5:00 PM**

**Leadership: Driving Results - How Innovative Change Transformed Grand Gulf Nuclear Station**

Location: Rooms 283-285

Speakers: Michael Lopez, Brad Kapellas