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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	<b>Continental Breakfast</b> Location: Rooms 286-87
8:15 AM - 8:45 AM	<b>Opening Session Welcome (sponsored by Ampirical)</b> Location: New Orleans Theater, Section A Chairperson: Charles Mart <b>Michael Fitts, President, Tulane University</b> 8:15 AM - 8:25 AM Location: New Orleans Theater, Section A <b>Colette Hirstius, Executive Vice President, Gulf of America, Shell</b> 8:25 AM - 8:35 AM Location: New Orleans Theater, Section A Speaker: Colette Hirstius <b>Chuck Mart, 2025 Chairperson, Tulane Engineering Forum</b> 8:35 AM - 8:45 AM Location: New Orleans Theater, Section A
8:45 AM - 10:15 AM	<b>Morning Plenary: Energy and the Energy Future We All Desire (sponsored by Pelican Energy)</b> Location: New Orleans Theater, Section A Moderator: Pierre Conner ; Speakers: Nigel Jenvey, David Hahn, Reagan Farr, James Martin
10:15 AM - 10:45 AM	<b>Morning Break: Middle and High School Robotics Demonstrations and Science Fair Displays; Tulane Undergrad Senior Design Project Showcase</b> Location: Rooms 286-287
10:45 AM - 12:15 PM	<b>Session A: Infrastructure (sponsored by CSRS)</b> Location: Rooms 291-292 <b>I-95 Bridge Collapse, Repair, and Replacement</b> 10:45 AM - 11:15 AM Speaker: David Adams <b>Pittsburgh's Three Sisters Bridge Rehab</b> 11:15 AM - 11:45 AM Speaker: Mike Burdelsky <b>Repair and Rehabilitation of Historic Suspension Bridges</b> 11:45 AM - 12:15 PM Speaker: Ben Reeve, PE
10:45 AM - 12:15 PM	<b>Session B: Energy - The Emergence of Nuclear Small Modular Reactors (sponsored by ENFRA)</b> Location: New Orleans Theater, Section A <b>The 30,000 ft. View of SMR Technologies and the Opportunities Driving the Market</b> 10:45 AM - 11:15 AM Speaker: Dr. Regis Matzie <b>Resurgence of Generation III Small Modular Reactors</b> 11:15 AM - 11:45 AM Location: New Orleans Theater Speaker: Chuck Goodnight <b>A Customer's Perspective - Deploying Small Nuclear Reactors</b> 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 Boudreux

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 Biedenharn

**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