
Event Agenda

26th Annual Tulane Engineering Forum

Friday, April 24, 2026

7:30 AM - 8:05 AM	Continental Breakfast - Come & Intermingle with Our Students who Participate in Robotics and Other Projects (sponsored by IMTT) Location: Rooms 386-387
8:05 AM - 8:10 AM	Forum Call to Order (Opening Sessions sponsored by Ampirical and Laitram LLC) Location: New Orleans Theater, Section A Speaker: Charles "Chuck" Mart, D.Eng.
8:10 AM - 8:25 AM	Tulane University President's Remarks Location: New Orleans Theater, Section A Speaker: President Michael Fitts
8:25 AM - 8:35 AM	Tulane University's School of Science and Engineering Dean's Remarks Location: New Orleans Theater, Section A Speaker: Dean Hridesh Rajan
8:35 AM - 9:00 AM	TEF Committee Chair Remarks Location: New Orleans Theater, Section A Speaker: Charles "Chuck" Mart, D.Eng.
9:00 AM - 10:00 AM	Morning Keynote (sponsored by Entergy) Location: New Orleans Theater, Section A Speaker: Drew Marsh
10:00 AM - 10:30 AM	Morning Break: Student Projects - Robotics Demonstrations (sponsored by IMTT) Location: Rooms 386-387
10:30 AM - 12:00 PM	Session A: Infrastructure (sponsored by Boh Bros. Construction Co., LLC) Location: Rooms 391-392 Increasing Interstate Vertical Clearances in an Urban Environment 10:30 AM - 11:00 AM Location: Rooms 391-392 Speaker: Scott Fisher, P.E., CCM Yellowstone River Bridge Replacement – Unique Solutions in a Unique Environment 11:00 AM - 11:30 AM Location: Rooms 391-392 Speaker: Bob Sward, P.E. Investigation of the Fern Hollow Bridge Collapse 11:30 AM - 12:00 PM Location: Rooms 391-392 Speaker: Andy R. Adams, P.E.
10:30 AM - 12:00 PM	Session B: Energy (sponsored by Baker Hughes) Location: New Orleans Theater, Section A We are Baker Hughes 10:30 AM - 11:00 AM Location: New Orleans Theater, Section A Speaker: Bob Perez Louisiana Wind Project 11:00 AM - 11:30 AM Location: New Orleans Theater, Section A Speaker: James Martin Critical Minerals for the Energy Sector 11:30 AM - 12:00 PM Location: New Orleans Theater, Section A Speaker: Cynthia Ebinger, Ph.D.

10:30 AM - 12:00 PM

Session C: Oil and Gas (sponsored by Industrial Chemicals Corporation)

Location: Rooms 383-385

Investigation of a Boiler High Potential Incident

10:30 AM - 11:00 AM

Location: Rooms 383-385

Speakers: Samantha Glidewell, Seanelle Higgins, Ashley Lasky

Waterflood Application in the Offshore Oil Industry

11:00 AM - 11:30 AM

Location: Rooms 383-385

Speakers: Yaser Siraj-Eddin, P.E., PMP, Brent Wahl, APM-PMQ

The LNG Value Chain in Louisiana: Engineering Insights from the Past, Design for the Future

11:30 AM - 12:00 PM

Location: Rooms 383-385

Speaker: Nick Fulford

10:30 AM - 12:00 PM

Session D: Space (sponsored by Royal)

Location: Rooms 388-390

Obscure Considerations for Liquid Propulsion Systems in Small to Large Scale Vehicles

10:30 AM - 11:00 AM

Location: Rooms 388-390

Speaker: Jake Cole

Starlab Space Station and Space Development in New Orleans

11:00 AM - 11:30 AM

Location: Rooms 388-390

Speaker: Steve Tomkies

A Journey to the Far Side of the Moon

11:30 AM - 12:00 PM

Location: Rooms 388-390

Speaker: Ray Allensworth

12:15 PM - 2:15 PM

Plenary Luncheon and Panel (sponsored by MSB Consulting Engineers)

Location: Rooms 393-396

Plenary Luncheon

12:15 PM - 12:45 PM

Location: Rooms 393-396

Plenary Panel

12:45 PM - 2:15 PM

Location: Rooms 393-396

Panel Moderator

12:45 PM - 12:50 PM

Location: Rooms 393-396

Speaker: Norma Jean Mattei, Ph.D., P.E.

Levee History, Katrina

12:50 PM - 1:05 PM

Location: Rooms 393-396

Speaker: Christopher Dunn, Ph.D., P.E.

Levee Plans, Future

1:05 PM - 1:20 PM

Location: Rooms 393-396

Speaker: Ryan Foster

Levee Risks, Current

1:20 PM - 1:35 PM

Location: Rooms 393-396

Speaker: Mead Allison, Ph.D.

Levee Perspective - Retired, Will it Work?

1:35 PM - 1:50 PM

Location: Rooms 393-396

Speaker: Mark Wingate, P.E.

Panelist Roundtable

1:50 PM - 2:05 PM

Location: Rooms 393-396

Panel Q&A

2:05 PM - 2:15 PM

Location: Rooms 393-396

2:15 PM - 3:45 PM

Session E: Infrastructure (sponsored by CSRS / Westwood)

Location: Rooms 391-392

A Heavy Lift: The Jupiter US1 Bridge Replacement

2:15 PM - 2:45 PM

Location: Rooms 391-392

Speaker: Ashok Amin

Cold-Spray Proof of Concept Structural Bridge Repair

2:45 PM - 3:15 PM

Location: Rooms 391-392

Speaker: Brian Schagen, Ph.D.

Current State of Wind and Flood Design

3:15 PM - 3:45 PM

Location: Rooms 391-392

Speaker: Frank Bennardo

2:15 PM - 3:45 PM

Session F: Energy (sponsored by Atmos Energy)

Location: New Orleans Theater, Section A

Overview of Current State of the U.S. Electrical Grid

2:15 PM - 2:45 PM

Location: New Orleans Theater, Section A

Speaker: Ibrahim Krad

Wildfire Threats and Impact on the U.S. Electrical Grid

2:45 PM - 3:15 PM

Location: New Orleans Theater, Section A

Speaker: Richard Anderson

Cyber Threats to the U.S. Electrical Grid

3:15 PM - 3:45 PM

Location: New Orleans Theater, Section A

Speaker: Zeeshan Sheikh

2:15 PM - 3:45 PM

Session G: Water (sponsored by Weeks Marine Inc.)

Location: Rooms 383-385

Next Generation AI-infused Hydrologic Modeling & Beyond: Differentiable Modeling Reveals Hydrologic Patterns and Trends Worldwide

2:15 PM - 2:45 PM

Location: Rooms 383-385

Speaker: Chaopeng Shen, Ph.D.

Landscape and Infrastructure: Lessons from the Earliest Nature-Based Solutions

2:45 PM - 3:15 PM

Location: Rooms 383-385

Speaker: Wes Michaels

The Role of Water Space Modeling Protecting Ecosystems, Communities, and Industry in Coastal Louisiana

3:15 PM - 3:45 PM

Location: Rooms 383-385

Speaker: T. Mitch Andrus, Ph.D., P.E.

2:15 PM - 3:45 PM

Session H: Innovation (sponsored by ENFRA, LLC)

Location: Rooms 388-390

The Bioinnovation Stack: Building the Infrastructure for the Next Generation of Startups

2:15 PM - 2:45 PM

Location: Rooms 388-390

Speaker: Kimberly Gramm

To Innovate Technology, You Must Innovate People and Processes

2:45 PM - 3:15 PM

Location: Rooms 388-390

Speaker: Nathan Wallace, Ph.D., P.E.

Eavesdropping on Cancer's Conversations: Catching Disease Before it Spreads

3:15 PM - 3:45 PM

Location: Rooms 388-390

Speaker: Christopher Millan, M.Sc., Ph.D.

3:45 PM - 4:00 PM

Afternoon Break

4:00 PM - 5:00 PM

Ethics: AI, Ethics, and Engineering: How Do We Cook with This Trinity!? (sponsored by Pelican Energy Consultants, LLC)

Location: New Orleans Theater, Section A

Speaker: Stephen Kuebler

4:00 PM - 5:00 PM

Leadership Session Panel Discussion: Holistic Mentoring, How to Amplify Your Impact (sponsored by Siemens Energy, Inc.)

Location: Room 385

Speakers: Don Vinci, Rob Shepherd, Bruce Engelhardt, Judy Farrell

