



UT Energy Bulletin | March 2025

Energy@UT News



Emerson Partnership Bolsters UT Expertise in Semiconductors and AI

Semiconductor, AI, and automation research and education at The University of Texas at Austin are expanding through a new partnership with Emerson. The collaboration includes upgrading research facilities, launching a [Semiconductor Science and Engineering master's program](#), and advancing AI-enabled automation research.

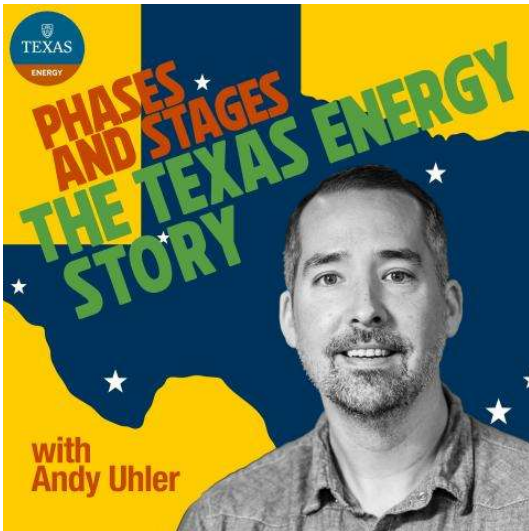
[Learn more](#)



UT Names New Leader of Bureau of Economic Geology

[Lorena Moscardelli](#) will serve as the new director of the Bureau of Economic Geology, the largest unit within UT's Jackson School of Geosciences and one of UT's research powerhouses. She brings over 20 years of energy research experience to the role, having previously led the bureau's [STARR](#) program, and plans to expand the bureau's internal and external collaborations to tackle key energy and resource challenges.

[Read more](#)

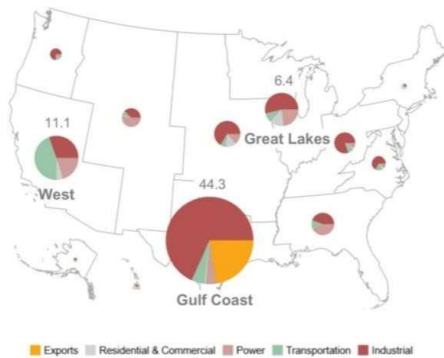


The (Not So) Tall Tale of Energy in the Tall City

Episode 3 of [Phases and Stages: The Texas Energy Story](#) podcast finds host Andy Uhler in Midland, Texas, to hear from folks about the rich energy resources that the Permian Basin has been known for since the 1920s—but also about a new kind of energy popping up in town that has some folks upset about the changing times.

[Listen now](#)

Regional Demand by Sector – U.S. Net Zero by 2050 Scenario



New Study Reveals Water Demands of Texas' Hydrogen Industry

A new study from the Bureau of Economic Geology finds that, by 2050, hydrogen production facilities in Texas could account for 2–6.8% of the state's water demand, with significant implications for water-stressed regions like the Gulf Coast. The research underscores the need for integrated water and energy planning as the hydrogen industry expands in Texas.

[Learn more](#)

News From Around Campus


Energy Institute

[Brian Korgel](#) spoke with [KXAN](#) about the political dynamics of renewable energy investments and the future of solar and wind power in Texas.

[Jorge Piñon](#) spoke with [energynews](#) about the potential economic and geopolitical consequences of the expiration of Chevron's license to operate in Venezuela.


Bureau of Economic Geology

[Alexandros Savvaidis](#) spoke to [MRT.com](#) about how oil and gas activities in Culberson County in West Texas are increasing seismicity in the area and how BEG's TexNet is measuring the change.

[Katie Smye](#) was quoted in the [Houston Chronicle](#)  discussing the impact of oil and gas wastewater injection on seismic activity in Texas.

[Susan D. Hovorka](#) spoke with [Undark](#) about the low risk of negative environmental and safety impacts when carbon sequestration wells leak, including in sensitive areas such as aquifers.

Cockrell School of Engineering

[Ben Cahill](#) was quoted in [The New York Times](#)  discussing Russia's efforts to attract American energy companies back into its oil and gas sector.

Cockrell School of Engineering | Hildebrand Department of Petroleum and Geosystems Engineering

[Hugh Daigle](#) spoke with [CNN.com](#) about U.S. reliance on Canadian oil, emphasizing that, despite domestic production, the U.S. will continue importing Canadian oil due to its refineries' need for heavier crude.

[Mukul Sharma](#) was quoted in [E&E Politico](#) discussing the geological realities that threaten President Trump's oil production goals.

LBJ School of Public Affairs | Webber Energy Group

[Doug Lewin](#) and [Joshua Rhodes](#) spoke with [WBAP.com](#) about whether ERCOT's recent warnings about potential energy shortages in Texas are realistic.

Cockrell School of Engineering | Webber Energy Group

[Joshua Rhodes](#) was quoted on [The Hill](#) discussing the economic impact of solar and renewable energy in Texas.

[Michael Webber](#) and [Yael Glazer](#) contributed to a [renewableenergyworld.com](#) article discussing the challenges energy utilities face in defining and measuring resilience to extreme weather.

Upcoming Events



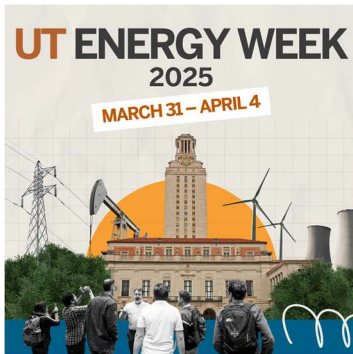
Texas Hydrogen Day 2025

March 19, 2025 - 8:30 AM

Texas Capitol

1100 Congress Ave., Austin, TX 78701

[Reserve ticket](#)



UT Energy Week 2025

March 31 – April 4, 2025

[Register now to attend](#)



Texas Seaweed Symposium

April 3, 2025 – 8:30 AM - 5:30 PM

855 E Cotter Ave,

Port Aransas, TX 78373

[Register here](#)



Environmental & Energy Economics & Policy Seminar: *Impacts of the Clean Air Act on the Power Sector from 1938-1994: Anticipation and Adaptation*

Akshaya Jha, Heinz College of Information Systems and Public Policy, Carnegie Mellon University

April 4, 2025 – 10:30 AM - 11:45 AM

[Learn more](#)



**Sandia
National
Laboratories**

Sandia National Labs – UT Austin Research Symposium

Wednesday, April 9, 2025 – 2:00 PM - 5:30 PM

Gary L. Thomas Energy Engineering Building (GLT)

Room 5.104

210 E 24th St, Austin, TX 78712

[Registration](#)



Texas Defense Research Workshop 2025: Energy

Thursday, April 10, 2025 – 12:00 PM - 4:00 PM

Friday, April 11, 2025 – 8:30 AM - 12:00 PM

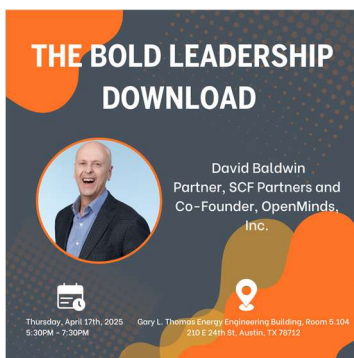
[LBJ Washington Center](#)

1100 New York Ave NW

The Greyhound Suite (#290)

Washington, DC 20005

[RSVP](#)



The Bold Leadership Download: A Conversation with David Baldwin

Thursday, April 17th, 2025 – 5:30 PM - 7:30 PM
Gary L. Thomas Energy Engineering Building (GLT),
Room 5.104
210 E 24th St, Austin, TX 78712

[Details and RSVP](#)



TEXAS McCombs

EXECUTIVE
EDUCATION

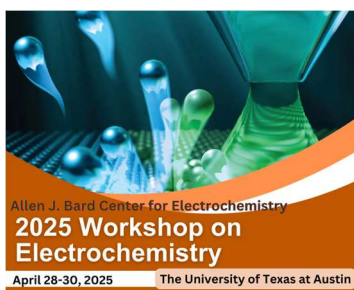
Energy Classes at McCombs

Executive Program for Energy Leaders

Online or Live Online | Starts April 14, 2025 | [Enroll](#)

Managing the Energy Transition

Online | Starts April 24, 2025 | [Enroll](#)



2025 Bard Center for Electrochemistry Workshop

April 28 – 30, 2025
The University of Texas at Austin

[More information](#)



2025 IEEE PES General Meeting

July 27 – 31, 2025

J.W. Marriott

Austin, Texas

[More information](#)

Thanks to our corporate partners and event sponsors for their generous support of UT's Energy Institute.

Bidra



ConocoPhillips

ExxonMobil



Group1.ai



PROVIDING ENERGY. IMPROVING LIVES.

RWE



Become a Sponsor