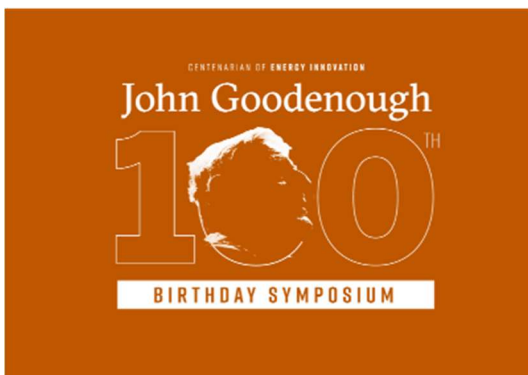




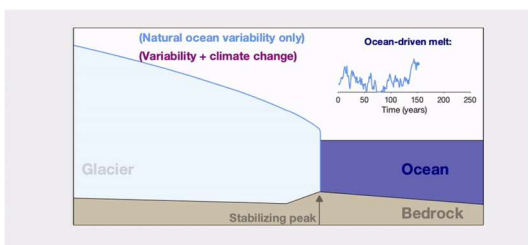
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Energy@UT News



John Goodenough's 100th Birthday

Nobel Laureate John Goodenough is celebrating his 100th birthday! Learn about his extraordinary life and work by tuning in for a livestreamed symposium on July 22. [Find details and the livestream link here.](#)



New Model Could Better Predict Climate Change Impacts on Glacier Melt

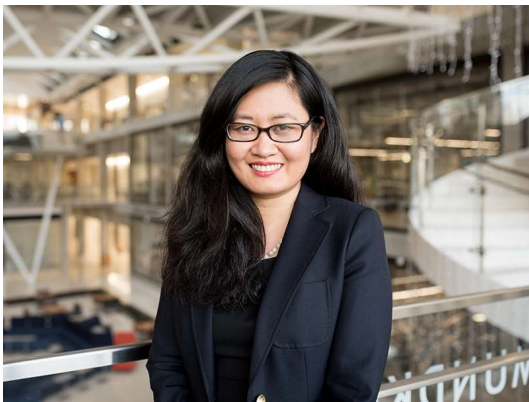
A team of researchers from Georgia Tech and The University of Texas at Austin's Institute for Geophysics has published a study that firmly ties glacial retreat to human-caused climate change, demonstrating a link that until now had been unproven. Read more at

KXAN.com or on the [Institute for Geophysics website](#).



Bus Exportable Power Supply Project Moves Closer to Implementation

A project at UT Austin’s Center for Electromechanics to use buses as mobile emergency power generators got a boost when the Federal Transportation Administration (FTA) issued a solicitation for proposals to develop interoperability standards for the systems. [Learn more.](#)



Assistant Professor Wen Song Receives Faculty Early Career Development Award from National Science Foundation

The five-year award will fund Prof. Song’s work on the recovery of rare earth elements (REEs) from clays. REEs are key materials in several clean energy technologies, from wind turbines to electric vehicles. [Read more.](#)



State Legislators and the Future of Transportation

UT-Austin professors Andrew Waxman and Gian-Claudia Sciara incorporated the findings from their [FSET project](#) into a recent panel on “State Legislators and the Future of Transportation,”

hosted by the Brookings Institution.
[Learn more](#) or [watch the video](#).

News from Around Campus

- **Cockrell School – Mechanical Engineering | Petroleum and Geosystems Engineering:** [Arvind Ravikumar](#) and [Michael Webber](#) co-authored a paper with Morgan Bazilian of the Colorado School of Mines on “The US role in securing the European Union’s near-term natural gas supply.” Find the article in [Nature Energy](#).
- **Jackson School of Geosciences:** [Dev Niyogi](#) spoke with KUT News about how higher temperatures in urban environments are the result not only of climate change but also of population growth; he has also recently published a journal article that sheds light on the interaction of urbanization and drought. Read more at [KUT.org](#) or [LinkedIn](#).
- **Energy Institute:** [Carey W. King](#) discussed his book [The Economic Superorganism](#) on the economics podcast [Macro N Cheese](#), where he explains the fundamental relationships between energy consumption, economic growth, and distribution within the economy.
- **Cockrell School – Webber Energy Group | Petroleum and Geosystems Engineering:** [Emily Beagle](#) and [Hugh Daigle](#) discussed some specific reasons for ongoing tightness on the Texas power grid in [The American Prospect](#).
- **Bureau of Economic Geology:** [Sue Hovorka](#) broke down the mechanics of carbon capture and storage via subsurface injection for the [Houston Chronicle](#).
- **Cockrell School – Webber Energy Group:** [The Washington Post](#), [TIME](#), and [The Verge](#) quoted [Joshua Rhodes](#) on the role of crypto mining in the success of ERCOT’s recent requests for voluntary energy conservation as well as on the likely impact of increased crypto mining on both the Texas grid and global climate change.
- **Cockrell School – Mechanical Engineering:** [Michael Webber](#) explained how, as mild weather becomes more rare due to climate change, windows of opportunity for preventive maintenance of power plants are shrinking; the deferred maintenance that results may lead to plant breakdowns and unscheduled outages. [Learn more](#).
- **Cockrell School – Civil, Architectural and Environmental Engineering:** [Chandra Bhat](#) spoke with *The Texas Tribune* about Texas’

\$400 million plan to install EV charging stations every 50-70 miles—enough to support up to one million electric vehicles across the state.

[Read more.](#)

- **Cockrell School – Webber Energy Group:** [Joshua Rhodes](#) spoke with [CBS News-DFW](#) and [KVUE](#) about the fact that Texas would still need to bring new power generation online to accommodate population growth, even if the state were not experiencing the early, extremely high temperatures seen so far this summer.
- **Cockrell School – Mechanical Engineering | Chemical Engineering:** [Vaibhav Bahadur](#) and [Gary Rochelle](#) told [Austonia](#) that carbon capture research like that being done at UT-Austin takes on a new urgency in light of the Supreme Court’s recent ruling on the Environmental Protection Agency’s regulatory authority.
- **Cockrell School – Webber Energy Group:** [KXAN](#) quoted [Joshua Rhodes](#) explaining that Texans should not confuse intermittency with unreliability when understanding why tight grid conditions have recently led ERCOT to request conservation measures, while [Inside Climate News](#) highlighted his comments about the need for transparency and realistic expectations in ERCOT’s communications about why customers might be asked to conserve and about the role of renewable power in the Texas energy mix.

Upcoming Events



PIVOT2022: All Hands on Deck
July 25-29, Virtual/In-Person Hybrid
Join the international geothermal community to dig into how to get geothermal on an exponential growth curve through disruptive innovation, interdisciplinary collaboration, and bold action. [Click for more info.](#)



Bridging Transportation Researchers Conference

August 4-5, 2022 via Zoom

This international conference will address topics including public transportation and emerging mobility services; travel demand modeling of passengers and freight; and safety and infrastructure management, design and construction. [Find more info and register for free.](#)



Industry Night

Presented by KBH Energy Center & Hildebrand Department of Petroleum and Geosystems Engineering

Sponsored by Phillips66

Save the Date:

Wednesday, September 21, 2022



KBH Energy Center 7th Annual Symposium

Save the Date:

Friday, November 4, 2022



ClimateCAP: The Global MBA Summit on Climate, Capital, & Business

This annual event brings MBA students and industry leaders together to learn what every MBA needs to know about the business implications of climate change. It's also a platform for resources for learning more. [Details here.](#)

Save the Date:
February 24-25, 2023



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