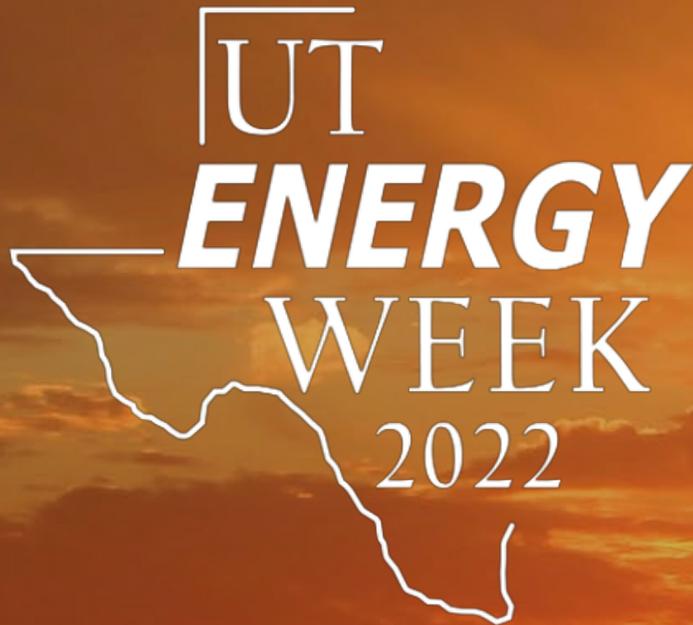


Welcome and Intro



The University of Texas at Austin
Energy Institute



Leveraging Our Strengths, Focusing On The Future

Tuesday, March 1, 2022



Call For Innovation

Experience the excitement of driving your career and building technology that can revolutionize the world. The Call for Innovation brings **industry experts, thousands of dollars in investment funding, and hands-on education** to students across UT Austin. Come and see how you can be part of a team that is about to change the world forever.

For Longhorn Students Interested In:

- Hands-on real world experience in science, engineering, and business
- Mentorship and guidance from industry professionals and leaders
- Thousands of dollars in startup funding

<https://genesisut.com>



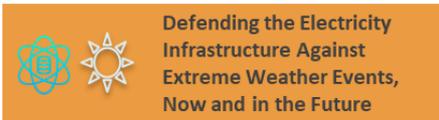
The Energy Institute's Fueling a Sustainable Energy Transition (FSET) Initiative (initiated in 2019)



Design of Next-Generation Battery Packs for a Sustainable Future



Driving Natural Gas Systems to Reduced Greenhouse Gas Emissions



Defending the Electricity Infrastructure Against Extreme Weather Events, Now and in the Future



Sectoral Feasibility of Greenhouse Gas Mitigation and Clean Energy Transitions

Decarbonizing the City – Financing and Policy Solutions for Transportation

Linking Plant Strategies to Complex Subsurface Hydrology to Predict Ecosystem Carbon Storage



Assuring Long-term Storage of Captured CO₂: Technical-Legal-Policy-Business Models



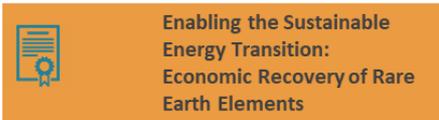
Multi-Scale Design and Optimization of Next-Generation Carbon Capture Systems



Enabling Solar-Powered Water Purification Technology



Smart Decarbonization of the Built Environment



Enabling the Sustainable Energy Transition: Economic Recovery of Rare Earth Elements

Overcoming Public Uncertainty About Carbon Capture & Storage Technology

12 Project Teams with 60+ Faculty

-  Major software /algorithm / data platform development
-  Startup (DOE STTR)
-  Patent granted/filed
-  Invention disclosure filed / expected
-  External grant award

UT (\$2m) + EI Member Grants (\$1.6m)