



A network of industrial and academic collaborators advancing the foundational sciences necessary for the grid of the future.

THE ENERGY TRANSITION NETWORK

OUR MISSION

The mission of the Energy Transition Network (ETN or The Network) is to develop the next generation of new materials, processes, basic science, and human talent necessary to fulfill the energy goals and demands of the future.

The Network is a program of the Energy Technologies Initiative, which originates at the UChicago Pritzker School of Molecular Engineering and serves as a core pillar of the Institute for Climate and Sustainable Growth. The Network convenes experts from the University of Chicago, Argonne National Laboratory, and industry in a collaborative environment to advance energy resilience.

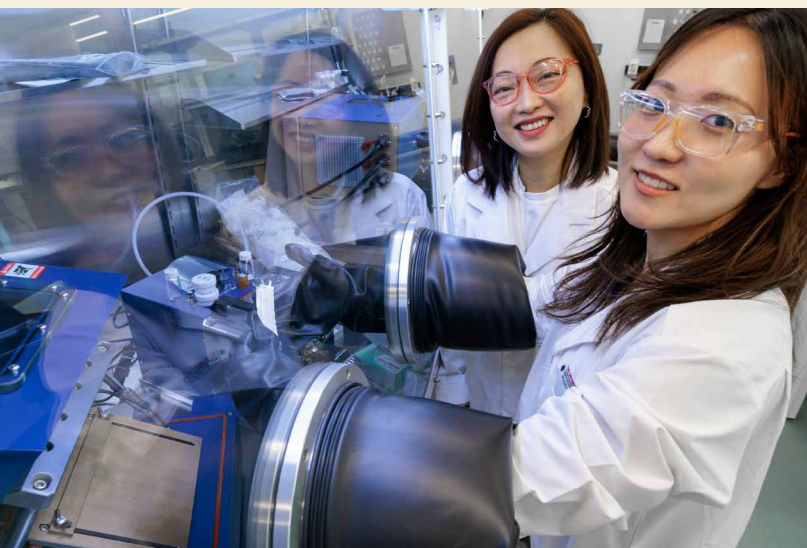
RESEARCH

Faculty across the ETN are advancing research to address the global energy transition through new technologies and systems that promote energy resilience. Their cross-disciplinary work combines scientific discovery with real-world applications, aiming to deliver scalable, high-impact solutions for energy resilience and long-term energy abundance.

Researchers are pioneering new materials for energy storage using first-principles computational discovery and design, as well as advanced characterization tools. Efforts in electrolyte research are enabling next-generation lithium metal, lithium-ion, and dual-ion batteries with higher energy density and longer lifespans. Other projects are pushing the boundaries of materials synthesis and device design leading to dynamic materials for light and heat management, as well as functional polymers for batteries and thermoelectrics.

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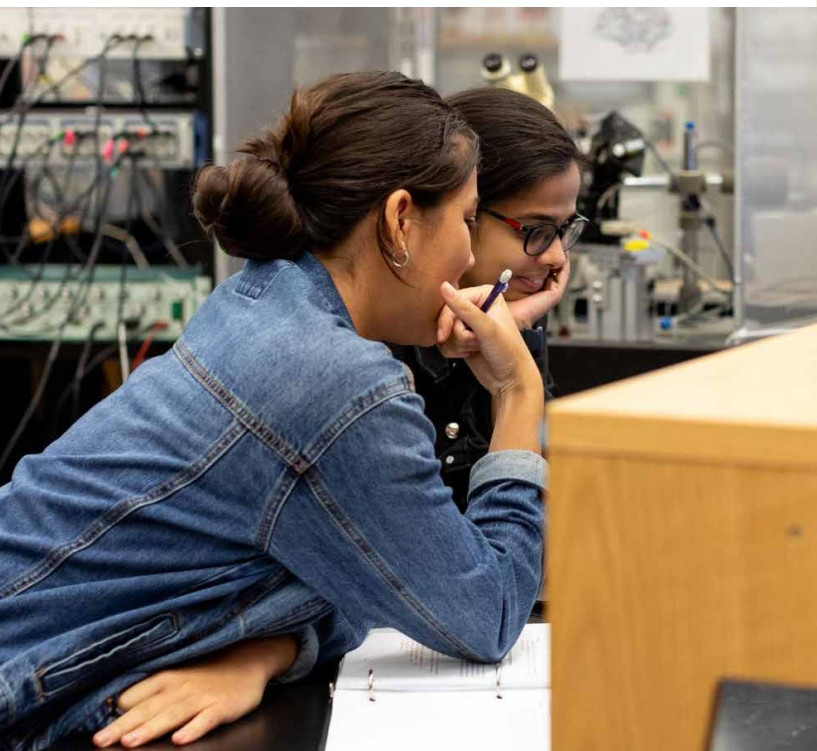


“The idea is really to build an ecosystem where the University’s true products are people and ideas. Argonne National Laboratory has the ability to help with de-risking, scaling, science, and data. We hope that establishing this ‘mine-to-line’ concept will help our industrial partners solve the industry-relevant challenges they face as we transition to a renewable future.”

– Y. Shirley Meng

EDUCATION

Education and outreach in the energy transition space are vital to the University of Chicago’s mission of advancing knowledge and driving impactful change. As the world faces modern climate realities, UChicago recognizes that a well-informed public and future leaders are essential to achieving an era of energy abundance. Through interdisciplinary programs, the University fosters a deep understanding among students, researchers, and the broader community about the complexities of energy systems, policy, and innovation.



PARTNERSHIPS

UChicago and ETN member companies work together to scope and facilitate research projects, host thematic workshops and events, foster workforce development through internships and career opportunities and engage in other collaborative ideation to enable an affordable, reliable, and secure energy future.

Companies can benefit from partnering with the Energy Transition Network in a variety of ways, including:

- Attend annual events and select ecosystem-partnering events.
- Recruit our top talent.
- Collaborate one-on-one with faculty members.
- Embed a visiting industry fellow.
- Create university-industry collaboration teams.
- Gain access to a commercialization engine.

