

NEWSLETTER



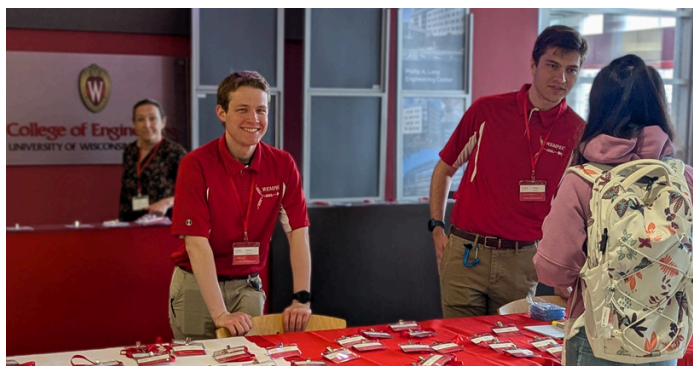
SUMMER 2025

UNIVERSITY OF WISCONSIN MADISON

WEMPEC Annual Review

On May 14 and 15, students met sponsors at our 2025 Annual Review. Members listened to student and professor research presentations and engaged in one-on-one conversations at poster sessions and networking opportunities. From presentations to project demonstrations to power engineering lab tours, the Annual Review provided an opportunity to learn about the work we do at WEMPEC.

Please enjoy some photos from the event!



Student welcome at Engineering Hall



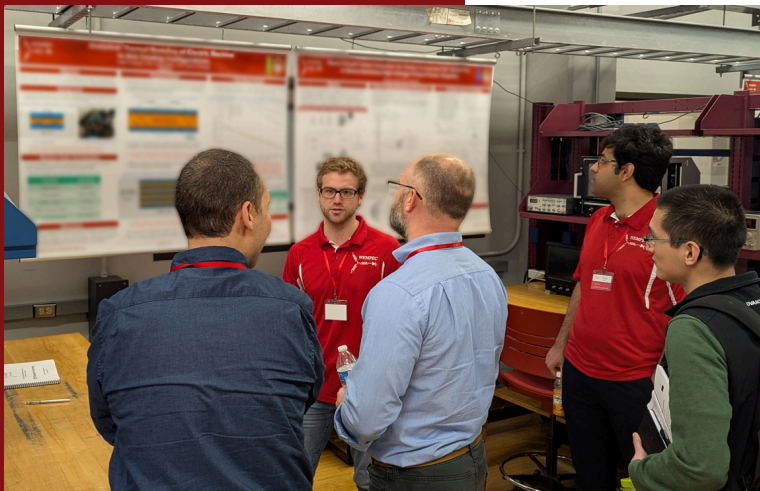
Pre-publication presentations



Networking opportunities



Poster sessions



Graduate researchers conversed with sponsors at poster sessions each day of Annual Review. Company representatives brought an industry perspective to cutting-edge research in academia, while benefitting from exclusive access to new power electronics discoveries and the next generation of top talent.

CHECK OUT THE LATEST WEMPEC NEWS HERE



WEMPEC Summer Spotlight

A team of WEMPEC student researchers are partnering with the Great Lakes Community Conservation Corps to create a fleet of public, solar-powered electric little free libraries (eLFLs).

Millions of U.S. residents cannot afford a personal source of electricity to perform necessary tasks like applying for online jobs, communicating via text or email, and completing online classwork. Electric little free libraries provide an always-on, self-sufficient and clean source of energy (albeit small amounts), storing excess electricity produced during periods of sun in batteries for use at all hours.

This summer, our student researchers designed, tested and constructed the first working mechanical assembly of a new eLFL design. The library will be deployed in Milwaukee this summer. eLFL design has a 35W tamper resistant solar panel, 12V6Ahour Li-ion battery, a solar peak-power point tracking battery charger, USB outlets with multiple cable adapters for charging, protection fuse, and a cellular-network based wireless monitoring system, all mounted in a weather-proof box that integrates with typical little free library designs.

