



OCTOBER 2026

NEWSLETTER

UNIVERSITY OF WISCONSIN-MADISON



YOU'RE INVITED! to a SPECIAL SEMINAR

Using AI to Speed Up Prototyping in the Lab: A GaN Traction Inverter for an Axial-Flux Motor

Dionisio Ramirez, Professor
School of Industrial Engineering (ETSII)
of the Universidad Politécnica de Madrid (UPM), Spain

UW-Madison, Engineering Hall 2305
& **Live Online** (for all non-UW attendees)
November 13, 2026 @ 11:30 am - 12:30 pm
[Register here FREE for Live Lunch and Learn](#)

THE 2026 RECIPIENTS OF THE POWER ENGINEERING AWARDS

The Power Engineering Awards Program exists to motivate undergraduate and graduate students to pursue academic degrees in the field of power engineering. Each year, new students are chosen to receive the award. The awards hope to bring College of Engineering students together to become involved with power engineering faculty, to develop students who are highly qualified to enter the field of engineering, and to encourage students who already have or are likely to make significant research or contributions to the field of power engineering.

Grainger/Novotny Welcome Awards

Adam Mukahhal	Anh Nguyen Hoang	Tim Chang
Agostino Russo	Avinash Arya	Wei Mo
Angel Hernandez	Dishant Sapkota	
Benjamin Prunuske	Enrique Lopez Barriga	
Blake Helland	Gopi Reddy Chilukuri	
David Oteman	Jingyi Li	
Julie Cross	Muze Zhou	
Nicholas Tangwall	Seungmin Shin	

Grainger/Novotny Dissertator Awards

Amir Afshari	Amirhossein Iraniparast
Araz Saleki	Anson Chan
Dahlia Saba	Hyeongmeen Baik
Jennifer Bui	Immanuel Williams
Justin Paddock	Maheep Bhatt
Shalini Manna	Prajwal Bhagwat
	YiZhou Han



A Big Presence at 2026 ECCE in Vancouver! From Faculty ...

SPECIAL SESSIONS CO-CHAIRS:

Bulent Sarlioglu, (Matt) Lee Woongkul - Rare-Earth-Free or Reduced Electric Machines and Drives: Materials, Topologies, and Integrated Drive Systems

Bulent Sarlioglu, Ozge Taskin - High-Performance Electrical Machines and Drives for Aerospace Applications Including Electrified Propulsion

Thomas M. Jahns, Jin Wang, Victor Veliadis

Bidirectional Switches: From Devices to Topologies to Real-World Applications

Congratulations to Professor Roy!

The IEEE Power Electronics Society (PELS) has honored Jinia Roy with its Young Professional Exceptional Service Award. This award recognizes members who have graduated with their first professional degree within the past 15 years and have provided exceptional service to the welfare of PEELS.



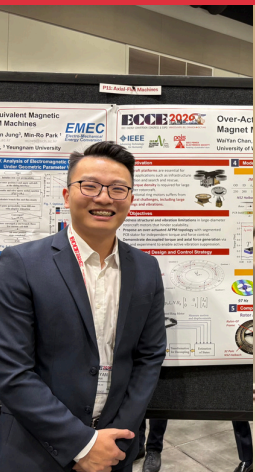
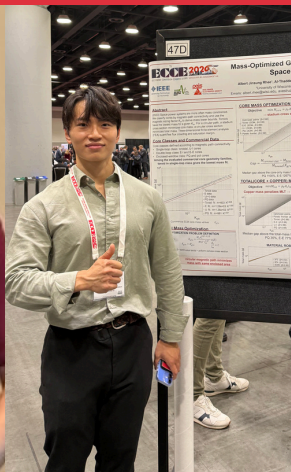
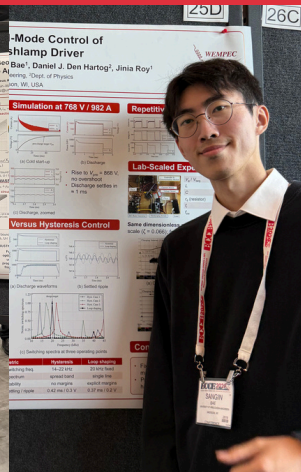
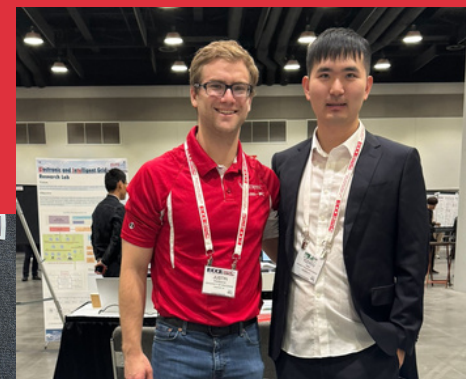
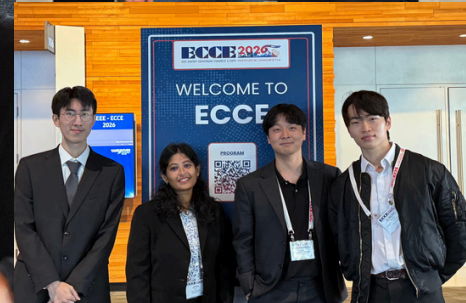
Congratulations Professor Sarlioglu!

Professor Bulent Sarlioglu took first place for a submission for publication in the IEEE Journal of Emerging and Selected Topics in Power Electronics (JESTPE) 2025. 2-kV 1-MW 20,000-RPM integrated modular motor drive for electrified aircraft propulsion, J. Wang, T. M. Jahns, P. McCluskey, J. Kizito, **B. Sarlioglu**, et al.

and the 2026 IAS TSC Award (3rd Place) for Development and Testing of a Fault-Tolerant Modular Motor Drive using Current-Source Inverters, X. Zhang, P. Tian, K. Chen, A. T. Parra, T. M. Jahns, and **B. Sarlioglu**,

...to WEMPEC Students presenting their research.

See all of their publications here at:
[WEMPEC's publications page](#).



SAVE THE DATE!

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