

STUDENT DEMONSTRATIONS

Open: Monday, May 19
Judging: Tuesday, May 20

5:00pm - 7:30pm
1:30pm - 5:00pm

NEW FOR 2025! Student Demonstrations provide an opportunity for students from various universities and countries to showcase their emerging technology research outcomes and interact with academia and industry.

TABLE 1 | Real-Time Control and Comparative Analysis of a Lab-Prototyped Ultra-High-Speed (UHS) PMSM Using MATLAB for Embedded and dSPACE Systems

Demonstrators: Md Moniruzzaman & Md Rashedur Rahman
Mississippi State University, USA

TABLE 2 | Stator-Excited Synchronous Motors

Demonstrators: Oluwaseun Badewa, Ali Mohammadi, & Donovan Lewis
University of Kentucky, USA

TABLE 3 | Dual-Stage, Multi-Module Electric Machine for Electric Aircraft Propulsion

Demonstrators: Matin Vatani, Diego A. Lopez Guerrero & Oluwaseun A. Badewa
University of Kentucky, USA

TABLE 4 | AI-Driven Real-Time Fault Detection for Predictive Maintenance in Electric Drive Train

Demonstrators: Denizhan Demirkol
University of Tennessee - Knoxville, USA

TABLE 5 | Advanced High Power Density n-Layer Hairpin Winding Permanent Magnet Machine for EVs

Demonstrators: Wentao Zhang
Southeast University, People's Republic of China

