



NEWS- IN BRIEF



DECEMBER 2025

UNIVERSITY OF WISCONSIN-MADISON



Prof. Jinia Roy and grad students Luke Andersen and Albert Rhee, present their work on the development of a high efficiency light-weight power processing unit (PPU) designed to interface efficient electric propulsion powered by a nuclear microreactor at the annual review of Space Power and Propulsion for Agility, Responsiveness and Resilience (SPAR) Institute at the University of Michigan (U-M).

Prof Roy also delivered a tutorial titled “Power Electronics for Space Applications: Challenges and Opportunities” at the 4th Annual IES-ONCON, highlighting emerging technologies and innovative design paradigms aimed at achieving high efficiency, reduced mass, and enhanced reliability, all of which are critical for the development of next-generation space power systems.

Dan Ludois, WEMPEC professor and founder of electrostatic motor pioneer C-Motive, was featured in the Badger Tech Foundry, a new College of Engineering-based recruitment program for graduate and postdoctoral student-founders through the Wisconsin Entrepreneurship Hub. See full article [here](#).



THIS JUST IN!...

Prof Dan Ludois has been elected into the National Academy of Inventors (NAI) Fellows Class of 2025! More details to follow.

HAPPY HOLIDAYS

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