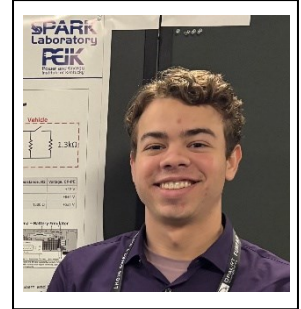


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Paper Title : Data Center Developments for Flexible Generation Dispatch, Advanced Infrastructure, and Ultra-Fast Digital Twins

Bio :

Grant Fischer is a USP for Ph.D. student in the SPARK Laboratory, Electrical and Computer Engineering Department, at the University of Kentucky (UKY). He is currently the Chair of the UKY IEEE Power and Energy Society Chapter, and a past recipient of the IEEE PES Scholarship Plus. He received a best poster award at IEEE ITEC 2025. His current research focuses on energy storage systems for managing transient data center loads and PHIL testing for energy-intensive residential devices.