

Paper Title: **Data-Centric Modeling of Inverter-Based Resources using Systems Behavioral Theories**

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Bio: Dr. Javad Khazaei is currently with the electrical and computer engineering department at Lehigh University. Prior to joining Lehigh in Fall 2021, he had a joint appointment with the Electrical Engineering department at Pennsylvania State University Harrisburg and the Architectural Engineering department at Pennsylvania State University Park as an assistant professor. He received a Ph.D. degree from University of South Florida (USF) in Electrical Engineering (Power and Energy) in 2016. His research interests include dynamic modeling and control for microgrid operation and design, smart grid dynamics, smart grid security, building energy management systems, and renewable energy integration to buildings and cyber-physical power systems.

