

Paper Titles: **Time-Domain Operational Metrics for Real-time Resilience Assessment in DC Microgrids,**
Microgrid Power Sharing: Adaptive vs. Nonlinear Predictive Models

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Bio: Maral Shadaei is a second year PhD student in the Department of Electrical and Computer Engineering at Lehigh University. Her research primarily focuses on the data-driven modeling, control, resiliency, stability, and reliability of microgrids. She has developed innovative strategies for microgrid power sharing using predictive control technologies, aimed at enhancing the operational efficiency of distributed energy resources. Maral's notable work also includes the creation of a novel quantitative resilience metric that improves operational assessments in marine vessel power systems, supported by the Department of Defense, Office of Naval Research. She has co-authored several papers, contributing significantly to the field of advanced power distribution technologies. Maral can be reached at masb22@lehigh.edu for further discussion and collaboration.

