

POWER GRID RESILIENCE

MONDAY: TRACK 3

SESSION CHAIRS

- Mohammed Ben-Idris, University of Nevada, Reno
- Anurag Srivastava, West Virginia University

SPEAKERS

- SESSION 1: Needs and Challenges
 - Alireza Ghassemian, "Resiliency related research activities under Advanced Grid Modeling program in DOE's Office of Electricity", Department of Energy
 - Aranya Chakraborty, NSF, "New NSF Programs in Electric Power Sustainability and Resiliency", National Science Foundation
 - RSE, "Future needs and challenges in measuring and improving the resilience of electricity grids", (Ricerca sul Sistema Energetico), Italy
- SESSION 2: Definitions, Metrics and Tools
 - Aleksandar Stanković, "Update on IEEE PSDP Resilience TF", Tufts University
 - Jay Liu, "Natural Disaster Mitigation Methods and Operation Technology – IEEE WG updates", PJM
 - Gary Huffman, and Shikhar Pandey, "Update on IEEE T&D Resilience WG", Burns and Mc and ComEd.
 - Mohammed Ben-Idris, "Update on IEEE CAMS Resilience TF", UNR
 - Mathios Pantelli, "Challenges and Opportunities Towards Resilient Grids: A Perspective by the CIGRE WG C4.47", University of Cyprus
 - Anurag Srivastava, "Update on IEEE PSOPE Tools for resilience TF", WVU
- SESSION 3: Gaining Consensus on Power Grid Resilience Metrics
 - Anuradha Annaswamy, Massachusetts Institute of Technology
 - Chris Dent, University of Edinburgh
 - Svetlana Ekisheva, NERC
- SESSION 4: Tools for Enabling power Grid Resilience
 - Marija Ilic, Massachusetts Institute of Technology
 - Michael Legatt, ResilientGrid



SESSION ABSTRACT

Due to climate change and recent extreme weather events, resilience of power grids has become more important than ever before. Prolonged power outages have severely impacted our societies ranging from economic losses to damages to other infrastructures to lost lives. Several research groups and institutions, governments, and policy makers have been working on developing resilience definitions and metrics and tools for resilience evaluation and enhancement. This workshop will bring experts from governments, policy makers, regulators, and researchers together to collaborate, share gained knowledge and experiences, and join forces toward gaining consensus on resilience definitions, metrics, evaluation methods, and enhancement strategies for power grids. This is a full-day workshop, which is part of a virtual day organized at the Resilience Week.

Workshop Website: <https://resilientpowergrid.ai/resilienceworkshop>