



7th International Conference on
**Integration of Renewable and
Distributed Energy Resources**

October 24-28, 2016



EPRI-Sandia Workshop on Microgrid Design

Niagara Falls, CA
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Workshop Outline

- 8:30 AM – Morning Session
 - Welcome and introductions
 - Why microgrids today
 - Resilience framework and metrics
 - Reliability and Power Quality Metrics
- 10:15 AM – Break
 - Improving Microgrid Cybersecurity
 - Sandia Energy Surety Assessment and Design Methodology (John Eddy)
 - Sandia Microgrid Design Tool (John Eddy)
- 12:00 NOON – Lunch
- 13:00 – Utility microgrids
 - Microgrid design tools (Arindam Maitra)
 - Microgrid Design Examples (Dean Weng)
- 15:00 – Break
 - Techno-economic Analysis (Arindam Maitra)
 - System Protection (Arindam Maitra and Mohamed El Khatib)
- 17:00 – Adjourn