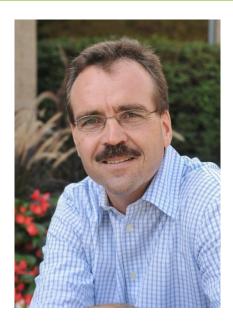## PROFILE

Guenter Conzelmann

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Guenter Conzelmann is the Director of the Center for Energy, Environmental, and Economic Systems Analysis at Argonne National Laboratory. His Center has about 40 full-time research staff and postdocs, plus typically 20-30 visiting students and faculty, working on a range of topics related to energy production/consumption and power grid modernization and transformation.

Advanced Analytics to Improve Power Grid Resilience

Today's talk will focus on Argonne's advanced data analytics and modeling and simulation-based research that is designed to help make our power grid infrastructure more resilient to extreme events. Guenter will provide a brief introduction of the concept of resilience, describe the current and evolving threat/hazard landscape, summarize some of Argonne's key infrastructure analytics and modeling tools, and showcase how these capabilities have been applied recently for a variety of customers for enhanced situational awareness, operator training and large-scale exercises, and improved operations and planning.

Links:
LinkedIn Profile: https://www.linkedin.com/in/guenter-conzelmann-b631934/
Argonne Outloud: Power for 21st Century: https://www.youtube.com/watch?v=SyLAG8bxGhM
Argonne Outloud: Energy Slam 2014: https://www.youtube.com/watch?v=T7eU0-rUD2Y
PBS NOVA – Search for the Super Battery 2017: http://www.pbs.org/wgbh/nova/tech/super-battery.html