

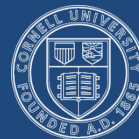


Industry Panel on Best Practices in Cybersecurity

Moderator: Anna Scaglione
UC Davis



UCDAVIS



Best practices (Best compromises?)



WHEN THERE'S ONE IN A MILLION CHANCE OF BEING STRUCK BY LIGHTNING...



BUT WHEN THERE'S ONE IN 3 ZILLION CHANCE OF WINNING THE STATE LOTTERY...



Slade Griffin

- **EnerNex** Principal consultant for the Utility Industry Cybersecurity
 - Member of National Electric Sector Cybersecurity Organization Resource (NESCOR), he is involved in a number of high profile Smart Grid projects and contributed to the security specifications for Home Area Network System, Distribution system...



Matt Luallen

- **CYBATI** President and Cofounder
 - Critical Infrastructure Cybersecurity Consulting firm
 - Previously at Encari, Global Knowledge, Argonne National Laboratory
 - Has educated industry and government on this subject for years and he is also instructor and adjunct faculty in several University programs where he teaches capstone courses on Network Security



Steve Parker

EnergySec Vice President of Technology Research and Projects

- He was part of the grassroots effort that led to the formation of EnergySec
- More than a decade of full-time security work at critical infrastructure organizations including the Western Electricity Coordinating Council, PacifiCorp, and US Bank
- e-commerce, identity management, intrusion detection, forensics, and security event monitoring.



Paul Skare

- **PNNL** Chief Cyber Security Program Manager at Pacific Northwest National Laboratory
- Previously Director of Cybersecurity & Automation at Siemens
- Cyber Security, Energy Management Systems, SCADA, Substation Automation, RTUs, IEC Standards



Questions for these leaders in the field

- 1) Do you have anecdotal information about risks that were identified and eliminated through more secure cyber systems?
- 2) Examples of best practices that have given measurable results?
- 3) Can you give a sense of the effort and cost entailed in securing the cyber-infrastructure of critical physical assets in the power industry or elsewhere?
- 4) What is that distinguishes electric power systems that adopt security practices in the field: better technology, better training?
- 5) What kind of cyber-physical attacks can be prevented today that were not preventable in the recent past?