

**Future of Power System
Strategies for Shaping the Smart Grid
November 15, 2017
Simrall Hall, Room 228**

You are invited to participate in discussions surrounding Sustainability, Security, and Skill set in support of the modern grid and to discuss practical solutions towards higher levels of reliability, security, and energy efficiency.

The energy industry is experiencing significant changes due to rapid technology transformation, security risks, environmental concerns and climate variations, evolving consumer needs, and regulatory requirements. Modern society has reached a point where virtually every crucial economic and social function depends on the secure, reliable operation of the power and energy infrastructures. The importance of a modern electricity grid for sustainable delivery of reliable, communicative, and high-quality electricity is of paramount importance.

The initiatives we undertake today from the IT infrastructure assessment, development of new industry standards, to conformance and compliance, affect the way in which the grid is operated and maintained in the future.

The presentation will explore business models and supply chain realities in the scope of utility technology transformation, strategies and operational aspects of managing grid system and equipment assets to build a more resilient and efficient grid to build our systems organically and digitally.

Technology Spotlight Speaker



Vahid Madani, Ph. D, Fellow IEEE – is a technology leader and engineer for advanced power systems applications at Pacific Gas & Electric Co., headquartered in San Francisco, California, USA. His experience spans across System Planning, Operation, Protection and Control

Engineering, Asset Strategy and Compliance. He is responsible for grid modernization, and deployment of emerging technology including Synchrophasor systems and Geomagnetic disturbance resiliency.

Vahid has served in many technical and advisory roles including Chair of the Regional Reliability Council at the Western Electricity, and as advisor to the U.S. Department of Energy (DOE) on portfolio of energy programs with recent focus on synchronizing renewables for integrated grid.

Dr. Madani has many publications and has co-authored text books and reference handbooks. He is a Tau Beta Pi and Phi Kappa Phi Honor Society member, a Fellow of IEEE, an IEEE Distinguished Lecturer, Adjunct Faculty, a registered Electrical Engineer in California, and holds US and International patents.