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PG&E/EPRI Protection and Control Workshop

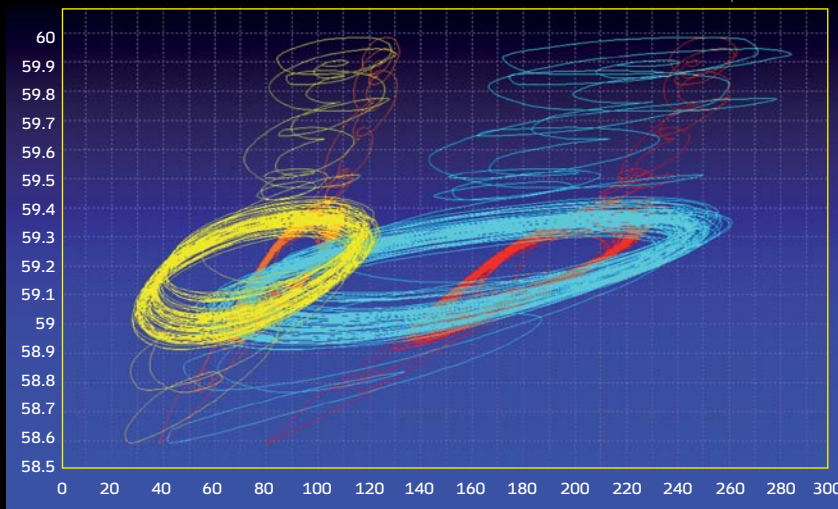
The Electric Power Research Institute (EPRI) is forming a research program specifically aimed at improving the understanding of protection and control issues, as well as development and testing of new methods that result in optimal power system protection for the 21st Century. To ensure that this research program is responsive to industry needs, Pacific Gas & Electric hosted a workshop in San Francisco, organized by Vahid Madani in cooperation with Pei Zhang (EPRI) in order to gather information and facilitate a discussion between industry

experts from North and South America, Europe and Asia. The ultimate goal of this effort is to reduce research and development costs by collaboratively developing solutions to protection and coordination challenges. Participation in this process at an early stage will enable stakeholders to shape the direction of this critical program and maximize benefits from the fruits of the program.

The workshop included multiple presentations by experts from different countries addressing the deployment and applications

of large phasor measurements systems for adaptive system protection and improvements in system visibility, stability and analysis. The new IEEE C37.118 and IEC 61850 standards and their impact on the field were also discussed. The experts shared their experience from projects in Brazil, Italy, Japan, Mexico and the United States.

Participants in the workshop discussed out-of-step conditions detection, verification of system models, dynamic state estimation and dynamic stability related simulation.



*Power/Frequency
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