Power System Transient Stability Analysis with PowerWorld Simulator

August 19-20, 2010
Hosted by SCE&G
Presented by PowerWorld Corporation and SCE&G

August 19

8:00	-	8:30	Model Relationships: Machine, Exciter, Governor, Stabilizer, Turbine Load Controller, Other
8:30	-	9:45	Input Data: Generator Models, Load Models, Model Explorer, interchange with DYD or DYR files, GENCC models
9:45	-	10:00	Break
10:00	-	11:30	Transient Stability Basics: Model Initialization, Initial Limit Violations, State Equations
11:30	-	12:00	Model Validation: Time Constants, Machine Parameters, Limits
12:00	-	1:00	Lunch
1:00	-	1:30	Contingency Definition
1:30	-	2:00	Result Storage: Results Available (Fields, Inputs, States, and Others); RAM and Disk; Result Options
2:00	-	2:30	Plot Definition
2:30	-	2:45	Break
2:45	-	3:30	Plot and Results Display: Plot Interaction, Max/Min Values, Time Values, Events
3:30	-	4:00	Transient Limit Monitors: Generic Limit Monitors, User-Defined Limit Monitors, Monitor Violations
4:00	-	4:30	SIMB Eigenvalues

August 20

8:30	-	9:30	Wind Turbine Modeling
9:30	-	10:00	Large-Scale Simulation Examples
10:00	-	10:15	Break
10:15	-	12:00	Large-Scale Simulation Examples (continued)