Power System Transient Stability Analysis with PowerWorld Simulator

Presented by PowerWorld Corporation
Delivered via web conference – All times are Central US
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Day 1

10:00	-	10:30	TS_01:	Model Relationships: Machine, Exciter, Governor, Stabilizer, Turbine Load Controller, Other
10:30	-	11:30	TS_02:	Input Data: Generator Models, Load Models, Model Explorer, interchange with DYD or DYR files, GENCC models
11:30	-	12:00	TS_03:	Transient Stability Basics: Model Initialization, Initial Limit Violations, State Equations
12:00	-	12:15	Break	
12:15	-	12:30	TS_03:	Transient Stability Basics (continued)
12:30	-	1:15	TS_04:	Model Validation: Time Constants, Machine Parameters, Limits
1:15	-	2:00	TS_05:	Transient Contingency Definitions, Sample Simulation

Day 2

10:00	-	11:00	TS_06:	Result Storage: Results Available (Fields, Inputs, States, and Others); RAM and Disk; Result Options
11:00	-	12:00	TS_07:	Plot Definition
12:00	-	12:15	Break	
12:15	-	1:00	TS_08:	Plot and Results Display: Plot Interaction, Max/Min Values, Time Values, Events
1:00	-	2:00	TS_09:	Processing Multiple Contingencies

Day 3

10:00	-	10:30	TS_10:	Transient Limit Monitors: Generic Limit Monitors, User-Defined Limit Monitors, Monitor Violations
10:30	-	11:15	TS_11:	SMIB Eigenvalues
11:15	-	12:00	TS_12:	Wind Turbine Modeling
12:00	-	12:15	Break	
12:15	-	1:15	TS_13:	Play In Signals and Scripts
1:15	-	2:00	TS_14:	Large-Scale Simulation Example