

Power System Transient Stability Analysis with PowerWorld Simulator

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Day 1

8:30	-	9:00	TS_01	Model Relationships: Machine, Exciter, Governor, Stabilizer, Turbine Load Controller, Other
9:00	-	10:00	TS_02	Input Data: Generator Models, Load Models, Model Explorer, interchange with DYD or DYR files, GENCC models
10:00	-	10:15		Break
10:15	-	11:00	TS_03	Transient Stability Basics: Model Initialization, Initial Limit Violations, State Equations
11:00	-	11:45	TS_04	Model Validation: Time Constants, Machine Parameters, Limits
11:45	-	12:45		Lunch
12:45	-	1:30	TS_05	Transient Contingency Definitions, Sample Simulation
1:30	-	2:15	TS_06	Result Storage: Results Available (Fields, Inputs, States, and Others); RAM and Disk; Result Options
2:15	-	3:15	TS_07	Plot Definition
3:15	-	3:30		Break
3:30	-	4:15	TS_08	Plot and Results Display: Plot Interaction, Max/Min Values, Time Values, Events
4:15	-	5:00	TS_09	Processing Multiple Contingencies

Day 2

8:30	-	9:00	TS_10	Transient Limit Monitors: Generic Limit Monitors, User-Defined Limit Monitors, Monitor Violations
9:00	-	9:30	TS_11	SMIB Eigenvalues
9:30	-	10:00	TS_12	Wind Turbine Modeling
10:00	-	10:15		Break
10:15	-	11:15	TS_13	Play In Signals and Scripts
11:15	-	12:00	TS_14	Large-Scale Simulation Example