

# Power System Economics and Market Modeling with PowerWorld Simulator

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## **Day 1**

8:30	-	9:00	M1: Electricity Market Concepts
9:00	-	10:00	M2: LMP Markets and Optimal Power Flow (OPF)
10:00	-	10:15	Break
10:15	-	10:45	M2: LMP Markets and OPF (continued)
10:45	-	11:30	M3: Overview of Linear Programming
11:30	-	12:00	M4: Advanced Contingency Modeling
12:00	-	1:00	Lunch
1:00	-	2:30	M4: Advanced Contingency Modeling (continued)
2:30	-	2:45	Break
2:45	-	4:30	M5: Security Constrained Optimal Power Flow (SCOPF)

## **Day 2**

8:30	-	10:00	M8: Developing an LMP Analysis for a Large Case
10:00	-	10:15	Break
10:15	-	12:00	M9: OPF Automation Examples
12:00	-	1:00	Lunch
Appendix			M6: OPF Reserve Markets
Appendix			M7: Time Step Simulation