

Power System Economics and Market Modeling with PowerWorld Simulator

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Day 1

8:30 - 9:30 M1: Electricity Market Concepts and Trends
9:30 - 10:00 M2: LMP Markets and Optimal Power Flow (OPF)
10:00 - 10:15 Break
10:15 - 12:00 M2: LMP Markets and OPF (continued)
12:00 - 1:00 Lunch
1:00 - 2:00 M3: Overview of Linear Programming
2:00 - 2:30 M4: Advanced Contingency Modeling
2:30 - 2:45 Break
2:45 - 3:45 M4: Advanced Contingency Modeling (continued)
3:45 - 4:30 M5: Security Constrained Optimal Power Flow (SCOPF)

Day 2

8:30 - 10:00 M6: OPF Reserve Markets
10:00 - 10:15 Break
10:15 - 11:00 M6: OPF Reserve Markets (continued)
11:00 - 12:00 M7: Time Step Simulation
12:00 - 1:00 Lunch
1:00 - 1:30 M7: Time Step Simulation (continued)
1:30 - 2:45 M8: Developing an LMP Analysis for a Large Case
2:45 - 3:00 Break
3:00 - 4:30 M9: OPF Automation Examples