

Tutorial D
DISTRIBUTION AUTOMATION
John McDonald, President, IEEE/PES
Location: Bellsouth Auditorium

Tutorial Agenda

- 9:00 a.m. **What is Distribution Automation?**
- Feeder, Substation and Customer Automation
 - Distribution Automation Definition
- 9:15 a.m. **Equipment for Feeder Automation**
- Fault Location, Isolation, and Service Restoration (FISR)
 - Other Uses of Automated Switches
 - System Components
 - Communication Facilities
 - Control Panels
 - Feeder Automation Categories
 - Manual
 - Semi-Automatic
 - Fully Automatic
 - Feeder Automation Approaches
 - Centralized
 - Substation Centered
 - Peer-to-Peer
 - Training Simulator
 - Practical Matters
- 10:00 a.m. **Feeder Automation Functions**
- VAR Dispatch
 - Voltage Control (Conservation Voltage Reduction)
 - Integrated Volt VAR Control (IVVC)
- 11:00 a.m. **Enterprise Level Substation Integration and Data Management**
- Overview
 - Substation
 - Communication Infrastructure
 - Enterprise Data Management/Data Mart
 - Business Processes
 - Implementation
 - Applications
- 11:45 a.m. **Tutorial Adjourn**