

## EPCC 7 – May 25-28, 2003 Ortisei, Italy

- **Market Models and Market Operations**
  - ISO/TSO Experiences with Operation Planning and Real-time Market Operations
  - Effect of Bilateral Contracts on Pricing and Operations
  - Balancing Market Design
  - Ancillary Services
  - Strategies for Active and Reactive Loss Compensation
  - Voltage/Var Control and Pricing
- **Congestion Management Methods and Experiences**
  - Cross-border Static and Dynamic Congestion Management
  - Zonal Pricing
  - Nodal Marginal Pricing
  - Transmission Rights
  - Incorporating Voltage Stability and Transient Stability in Congestion Management
  - Implementation of Emergency Control on Various Contracts
  - Compliance Monitoring and Enforcement
- **Distributed Generation and Control**
  - Impact of Distributed Generation on System Operation
  - Participation in Market Operations
  - Decentralized Energy Management
  - Islanded and Grid Operation
  - Coordination with Transmission Operation
  - Operating Characteristics and Problems of Different Types of Distributed Power Operation
- **Multi-Area System Operation**
  - Real-time Information Exchange and Security Coordination in Interconnected Country Networks
  - Multi-area State Estimation
  - Practical Limitations to Network Model Size of Available Network Analysis Software and Computing Facilities
  - Multi-area Control of Generation belonging to GenCos
  - Decentralized Load-Following Control
- **Challenges in Control Center Design**
  - Centralized versus Hierarchical Control Center Structures
  - Impact of Market Model of Control center Design
  - Security Measures for the Control Center Infrastructure
  - Application of Information
  - Web technologies and Fast Communications
  - Innovative Visualization Techniques
  - APIs and Interoperability
  - Utility Experience with CIM/XML
  - Components and Object Request Brokers
  - Utility Experience with Application Service Providers (ASP)