

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)