

ABINEE TEC T&D 2002 Latin America

March 19 – Tuesday

Industrial Technologies and their Contribution for Electrical Sector

Auditorium J Seminar 9h00 - 12h20

- 9h00 **Correction of Power Factor**
Gilvan Schabbach, Icotron – Brazil
- 9h35 Debate
- 9h50 **Optimization of Transmission –
Circuit Breakers “Dead Tank” / Series Compensation**
Alberto Bragarnick and Guilherme Mello, General Electric – Brazil
- 10h25 Debate
- 10h40 **Interoperability of Systems in Energy Sector**
Victor Hugo da Silva Rosa, Schneider Electric Alta Tensão – Brazil
- 11h15 Debate
- 11h30 **Data Management Through Medium and Low
Voltage Networks**
Eugênio Martins M. Filho, Siemens – Brazil
- 12h05 Debate
- 12h20 Close

Deregulation: Experiences in Latin America

Auditorium G Panel 9h00 - 12h00

Chair: *Hugh Rudnick, Universidad Católica – Chile*

Speakers: *Jorge Karacsonyi, Mercados de Energia – Argentina*
Sebastian Bernstein, Synex Consultores – Chile
Pablo Corredor, ISA – Colombia
Mario Calmet, R. A. Consulting – Peru
Eduardo Ellery, ANEEL – Brazil

Deregulation

Auditorium G Technical Session 13h30 - 17h30

Chair: *Wagner da Silva Lima, U. F. Goiás – Brazil*

- Distribution Systems Planning
Considering Distributed Generation
within a Competitive Environment
USP and U. F. Goiás – Brazil
- Use of the Pricing Theory of Financial
Derivatives to Predict Payments of
Electric Energy Revenues with Monte
Carlo Simulation
EFEI – Brazil
- Ancillary Services – Cost Benefit
Evaluation as Related to
Hydroelectric Power Plants Reactive
Supply
USP, COEESA and CGEET – Brazil
- Changing of Scenario: What's is the
Better Decision?
Elektro – Brazil
- Calculation of Connection
Opportunities in an Open Access
Transmission System by an Expert
System Approach
ISA – Colombia
- Transmission Planning in a
Deregulated Environment –
International Comparison
ISA – Colombia
- The Restructuring of the Brazilian
Electric Sector – A Prospective
Analysis
UERJ and Furnas – Brazil
- Proposal of Transactions Costs
Establishments in Distribution
Systems
*Universidade Mackenzie and
Independent Consultant – Brazil*
- Market Power in hydrothermal
system which inter the annual
capacity reservoir
Universidad del Chile

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Monitoring and Conditioning Maintenance

Auditorium E Panel 9h00 - 12h00

Chair: *Gervásio L. Castro*, Consultant – Brazil

- General Overview
Gervásio L. Castro, Consultant – Brazil
- Power Transformer Monitoring Systems: State of the Art, Risk Evaluation, Upgrade and Repairs
José Carlos Mendes, ABB – Brazil
- Circuit Breakers Monitoring Systems
Marta Lacorte, ABB – Brazil
- On Line Transformer Bushing Diagnosis
A. Gutierrez, Doble – USA
- Transformer Monitoring - New Trends
J. G. G. Silveira, Siemens – Brazil

Automation and Telecommunication

Auditorium E Technical Session 13h30 - 16h30

Chair: *Luis A. Pilotto*, CEPEL – Brazil

- Automated Reactive Power Control in Industrial Plants with Co-Generation
USP – Brazil
- Control of Hopf Bifurcation in Large Power Systems
Universidade Católica de Pelotas – Brazil
- An Integrated Control and Supervisory System for Substation Automation
USP – Brazil
- New Communications Protocols – Application of a Protective Relaying Scheme Using the UCA/MMS Standard
GE – Canada
- ANN-based Real-Time Short-Term Load Forecasting in Distribution Substations
USP and CPFL – Brazil
- Data Transmission Through Power Lines
U. F. Juiz de Fora - Brazil
- Protocol Converter for IEC 60870-5-101
USP and Bandeirante Energia – Brazil
- An Automated Trouble Call System
USP – Brazil
- Animated User-interfaces for State Visualization of Electric Power System Operations
Unicamp – Brazil
- The Challenges in the Development of the Telecontrol Systems of Eletrosul's Transmission Substations
Eletrosul – Brazil
- Optical High Voltage Measurement Transformer Using White Light Interferometry
USP – Brazil and University of Tokyo – Japan
- Alarm Processing System – STA – Practical Tool Integrated into a Supervisory Control System
UFMG and CEMIG – Brasil

Monitoring

Auditorium E Technical Session 16h30 - 17h30

Chair: *Luis Cheim*, Siemens – Brazil

- Regeneration of Oil with Transformer Energized Without Discard of Residues
Bandeirante Energia – Brazil
- Monitoring Systems for Failure Detection and Location in Substations Strategic Apparatus
IEE - USP – Brazil
- Predictive Diagnostic Methods for Power Transformers Based on Expert System Technique
IEE - USP – Brazil

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Control Center

Room I Panel 9h00 - 12h00

Chair: *Carlos Ribeiro, ONS – Brazil*

- Control Center Evolution in Brazil
José S. Martini, CTEEP - Brazil
- Transmission Systems Operation Challenges in Competitive Markets
Celso Cerchiari, CTEEP - Brazil
- Hydro Plant System Operation Coordination
Carlos Ribeiro, ONS - Brazil
- Distribution Center Automation
Ciro Boccuzzi, Eletropaulo - Brazil
- Control Centers for Integrated Transmission Grid
Nicolas Ovsianiko, Alstom - Brazil

Power Systems Operation

Room I Technical Session 13h30 - 17h30

Chair: *Carlos Ribeiro, ONS – Brazil*

- Economic Operation of Power Systems Optimal Pricing of Energy
Universidad de la Republica – Uruguay
- A New Approach to Defining Corrective Control Actions in Case of Infeasible Operating Situations
Elektro and UNICAMP – Brazil
- On Line Transient Security Assessment, a Computer-based Analysis Tool. Implemented at the National Dispatch Center of Colombian Interconnected Power System
ISA – Colombia
- Dynamic Load Parameters Estimation in Electric Power System State Estimation
UNICAMP – Brazil
- A New Method to Solve Qualitative Problems in Power System State Estimation
Esc. Eng. São Carlos – Brazil
- The Dynamic Response of the AGC for Optimal Power Flow Request
Universidade Estadual Paulista and USP – Brazil
- A Program to Assist Reconfiguration of Subtransmission Systems
CEMIG – Brazil