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Hotel accommodations are available at the Renaissance Atlanta Downtown Hotel, 590 W. Peachtree St. N.W., Atlanta, GA 30308. Call 404-881-6000 for reservations. Be sure to indicate you are attending a Georgia Tech program to receive our special rate, which is dependent on room availability.

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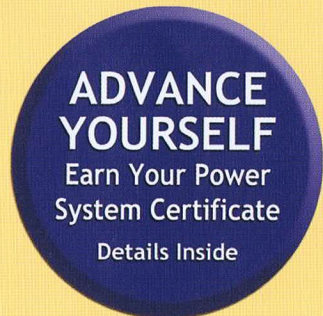
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Monday, May 3, 2010

- 8:00 Registration
- 8:30 **Conference Opening / Welcoming Remarks**
A.P. Sakis Meliopoulos, Professor, School of Electrical and Computer Engineering
Robert M. Orndorff, Chairman, Transient Recorder Users Council, web site: www.truc.org

MORNING SESSION Chairman: Tony Napikoski, United Illuminating

- 8:40 **Analysis of Mutual Coupling Effect on DCB Scheme Operation for an External Fault**
Y. Irene Lu, National Grid
- 9:15 **Wide Area Monitoring Solutions and Experiences Employing Data Obtained at Lower Voltage Levels**
Katsuhiko Sekiguchi Masahide Hojo, Toshiba Corporation, Japan
- 9:50 **Analysis of a Cascading Event at National Grid**
Jeffrey Pond, National Grid
Dave Bertagnolli, ISO-NE
- 10:25 BREAK
- 10:40 **A Guide to Digital Fault Recording Event Analysis**
Joe Perez, ERLPhase Power Technologies
- 11:15 **Using Hall Effect Sensors to Add Digital Fault Recording Capability to Electromechanical Relays**
Dwight Smith, Exelon Corporation
Amir Makki, Softstuf Inc.
Robert A. Wilson, ABB Inc.
- 11:50 **Best Paper Award Presentation**
- 12:00 LUNCH

AFTERNOON SESSION Chairman: Dave Bertagnolli, ISO - New England

- 1:00 **NERC Update**
Bob Cummings, NERC
- 1:35 **Standard Data Formats for Disturbance Analysis**
Alexander Apostolov, OMICRON electronics
- 2:10 BREAK
- 2:25 **Applications of COMTRADE for Exchange of Synchrophasor Data, the Report of H8**
Eric Allen, Chair, NERC
James Ingleson, Vice-chair, RLC Engineering
Jim Hackett, Mehta Tech, Inc.
Bob Cummings, NERC
- 3:00 **Display and Discussion of Actual Fault Records Brought by Participants**
Moderator: Robert Orndorff, Dominion Virginia Power
- 3:30 BREAK
- 3:45 **User Forum**
Moderator: Sherry Goiffon, Oncor Electric Delivery
- 5:00 ADJOURN

Tuesday, May 4, 2010**MORNING SESSION**

Chairman: Jeff Ricker, Consumers Energy

- 8:00 **Controlled Switching Systems (CSS)**
Tommy Salmon, Dominion Virginia Power
Bryan Gehringer, Bitronics, LLC
- 8:35 **Power Quality Considerations of Wind Farms**
David Mueller, Electrotek Concepts, Inc.
- 9:10 **Automated Analysis of Lightning Caused Faults on the TVA Transmission System**
Theo Laughner, Tennessee Valley Authority
- 9:45 BREAK
- 10:00 **Overview of an Automatic Distribution Fault Location System**
D. Daniel Sabin, Electrotek Concepts, Inc.
Cristiana Dimitriu, David Santiago, and George Baroudi, Consolidated Edison Company
- 10:35 **PMU Simulation/Test and Applications for Power System Stability Monitoring and Control**
D. Tholomier, Y. Sun, Areva T&D (CA)
H. Kang, Areva T&D (UK)
- 11:10 **Meeting NERC Requirements for Oscillography and Disturbance Monitoring by Collecting Data from Relays**
Charles Jones, American Electric Power
Declan Smith, Tarigma Corporation
Jim Schnegg, Schweitzer Engineering Laboratories, Inc.
- 11:45 LUNCH

AFTERNOON SESSION ON SMARTER GRID Chairman: Alexander Apostolov, OMICRON electronics

- 12:45 **Advanced Real-Time Synchrophasor Applications**
Edmund O. Schweitzer, III, David E. Whitehead, Armando Guzman,
Yanfeng Gong, and Marcos Donolo, Schweitzer Engineering Laboratories
- 1:20 **Substation Automation Analysis: Deployment Challenges**
Mladen Kezumovic, Texas A&M University
B. Clowe, R. Lunsford, Center Point Energy
Bruce Fardanesh, Deepak Maragal, New York Power Authority
Paul Myrda, EPRI
S. Sternfeld, First Energy
T. Popovic, Test Laboratories International, Inc.
- 1:55 **Analysis of Oscillation Damping after a Large-System Fault with Phasor Measurements**
Sergio Luiz Zimath, REASON Tecnologia S.A.
- 2:30 BREAK
- 2:40 **Data Quality Assessment in a IEC 61850 Based Substation**
Salman Mohagheghi, ABB, Inc.
- 3:25 **Distributed Dynamic State Estimation and Power Quality Monitoring**
Curtis Roe, Sakis Meliopoulos, Georgia Tech
Anjan Bose, Washington State University
- 4:00 **Testing of PMU Based Wide Area Monitoring and Recording Systems**
Benton Vandiver, Alexander Apostolov, OMICRON electronics
- 4:35 ADJOURN

PAPERS WITHOUT PRESENTATION

From Fault Recording to Disturbance Recording
Sakis Meliopoulos, George Cokkinides, Georgia Institute of Technology

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