

2007 Planning Committee Roster

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Registration Information

Accommodations

Hotel accommodations are available at the Renaissance Atlanta Hotel Downtown, 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.

Georgia Tech Professional Education Department is not responsible for any hotel cancellation charges, penalties, nor billing discrepancies.

Hospitality Suites

You are encouraged to visit the hospitality suites, after 5 p.m. on Sunday-Tuesday, May 18-20, at the Renaissance Atlanta Hotel Downtown.

14th Street Bridge Improvement Project

As part of the 14th Street Bridge Improvement Project, there will be street closures and detours beginning February 2008 through summer 2009. Techwood Drive between 16th and 10th streets is closed and not reopen until September 2009.

Georgia Tech's Distance Learning and Professional Education unit and the Georgia Tech Global Learning Center strongly encourage their students and guests to use MARTA, mass transit, or carpool if possible during this time. Visit www.14thstreetbridge.com for up-to-date information and transit options. Also, visit www.parking.gatech.edu for Tech Trolley and Stringer route updates.

Cancellations and Refunds

If you must cancel your registration and it is 10 or more business days prior to the conference start date, you may choose to: substitute a person; transfer to another course; or receive a full refund.

If you must cancel your registration and it is less than 10 business days prior to the conference start date, you may choose to substitute a person. (You cannot request a refund or course transfer within the 10-day window before the conference start date.)

If you register for a course during the 10-day window prior to the start date, you may not request a refund or transfer to another conference or course if you need to cancel.

Cancellation, transfer or substitution requests must be made using the Cancellation · Substitution · Transfer Request Form and submitted by: **E-Mail:** dlpeinfo@mail.gatech.edu, **Fax:** 404-894-8925, **Mail:** Georgia Tech Professional Education, P.O. Box 93686, Atlanta, GA 30377-0686.

EE-190 11th Annual Fault and Disturbance Analysis Conference (x43-21C)

Monday-Tuesday, May 19-20, 2008 | Atlanta | Conference Fee: \$230

OR BOTH EE-190 11th Annual Fault and Disturbance Analysis Conference (x43-21C) and EE-115

62th Annual Protective Relaying Conference (x43-22C) May 21-23, 2008 | Atlanta | Conference Fee: \$470

Remit payment no later than 10 days prior to the conference start date. Advance payment is required to guarantee your place at the conference.

Legal Name: _____

Preferred Name: _____

Birth Date: ____/____/____

Last Four Digits of Social Security Number (for identification purposes only): ____

Position: _____ Organization: _____

Address: _____ City: _____ State: _____

ZIP: _____ Country: _____

Business/Home Phone Number: _____ Fax Number: _____

E-Mail: _____

Payment Enclosed \$ _____

Check enclosed (make check or money order payable to Georgia Tech)

Purchase Order enclosed

Charge: _____ American Express VISA MasterCard Discover

Card Number: _____

Expiration Date: _____

Cardholder's Name: _____

Signature: _____



Examine Recent Electrical Disturbances and Possible Solutions



POWER SYSTEM CONFERENCES

11th Annual Georgia Tech Fault and Disturbance Analysis Conference

Monday-Tuesday, May 19-20, 2008
Atlanta · 1.4 CEUs · \$230



The Agenda

Monday, May 19, 2008

- 8 a.m. Registration
Egyptian Ballroom, The Fox Theater
- 8:30 a.m. Conference Opening
Welcoming Remarks
A.P. "Sakis" Meliopoulos
Professor, Georgia Institute of Technology School of Electrical and Computer Engineering
Jeff Ricker
Chairman, Transient Recorder Users Council

Morning Session

- Chairman: **Al Ward**
Progress Energy
- 8:40 **Analysis of Simultaneous Faults Using Short Circuit Simulations and Fault Records**
Jeffrey Pond and T. Irene Lu, National Grid USA
- 9:15 **Synchrophasor and High-Speed Oscillography Analysis of an Industrial Facility Islanding Test**
Mark Adamiak, Michael Schiefen, and **Gary Schauerman,** GE Multilin
- 9:50 **Development of a Wide Area Monitoring System for New England**
David Bertagnolli, ISO New England
Jim Hackett, Mehta Tech Inc.
- 10:25 BREAK
- 10:40 **Demystifying IEC61850**
Jeff Vaughan, ABB Inc.
- 11:15 **Automated Analysis of SCADA and DFR Data: Post-fault Diagnosis of Power System Disturbances and Condition Assessment of Plant**
S.D.J. McArthur, E.M. Davidson, and **T. Cuming, I. Watt,** University of Strathclyde

LUNCH

Afternoon Session

- Chairman: **Jeff Ricker,** Consumers Energy
- 12:50 **NERC Event Analysis and Lessons Learned**
Bob Cummins, NERC
- 1:25 **Static Var Compensation Controlled via Synchrophasors**
Dave Whitehead and Chris Anderson, Schweitzer Engineering Laboratories Inc.
Tony Johnson, P.E., Southern California Edison
John Paserba, Mitsubishi Electric Power Products Inc.
- 2 BREAK
- 2:10 **Enhancement of an Expert System Philosophy for Automatic Fault Analysis**
Hans Bekker, Paul Keller, Eskom Co.
- 2:45 **Automatic Network Quality Analysing System**
Marco Freres, Siemens AG, Germany
Bruno Wartmann, ewz, Switzerland
Dr. Luc Philippot, NetCeler, France
- 3:20 **Display and Discussion of Actual Fault Records Brought by Participants**
Moderator: **Robert Orndorff,** Dominion Virginia Power
- 3:40 BREAK
- 3:50 **User Forum**
Moderator: **Sherry Goiffon,** TXU Electric Delivery
- 5 ADJOURN

Tuesday, May 20

Morning Session

- Chairman: **Tony Napikoski,** United Illuminating
- 8 **Investigation and Analysis into the Mis-Operation due to Carrier Holes**
Miriam P. Sanders, AMETEK Power Instruments
John J. Meinardi, Florida Power & Light
- 8:35 **Impact of CT Error on Protective Relays—Case Studies and Analysis**
Rich Hunt
GE Multilin
- 9:10 **Feeder Interruptions Caused by Recurring Faults on Distribution Feeders (Faults You Don't Know About)**
Carl Benner, P.E., Texas A&M University
- 9:45 BREAK
- 10 **Data Warehouse and Analysis Agents**
Tom Popovic, Test Laboratories International Inc.
M. Kezunovic, Texas A&M University
- 10:35 **The C37.232 standard (recommended practice for naming time sequence data files)**
Amir Maki, SoftStuf
- 11:10 **Presentation of findings from IEEE PSRC Working Group H5-c Report on A Common Data Format for IED Sampled Data**
Benton Vandiver III, P.E., OMICRON electronics Corp. USA

LUNCH

Afternoon Session

- Chairman: **Dean Ellis,** New York ISO Inc.
- 12:45 **Impact of Recent Blackout Return of Experiences on Utility Operational IT Infrastructures**
Damien Tholonier, AREVA T&D Canada
Laurent Schmitt, AREVA T&D Automation France
Jay Giri, AREVA T&D Automation USA
- 1:20 **Pictorial Illustration of Fourier Transform as Applied to Digital Fault Recorders**
Wing-Kin Wai and **Greg Bradley,** APP Engineering Inc.
- 1:55 **Advanced Applications Based on Integration of Relays, DFRs, Meters and Other IEDs in Substations**
A.P. Sakis Meliopoulos and **George J. Cokkinides,** Georgia Institute of Technology
Clinton Hedrington, VIWAPA
Floyd Galvan, Entergy Services Inc.
Bruce Fardanesh, New York Power Authority
- 2:30 BREAK
- 2:40 **Portable Measurement Lab: The Modified Disturbance Recorder to Accomplish Non-Traditional Applications**
Mohamed A. El-Hadidy and **Dalal H. Mostafa,** Egyptian Electricity Transmission Co.
- 3:25 **Electrical Characterization of Vegetation Faults on Distribution Feeders**
Carl Benner, P.E., Jeffrey A. Wischkaemper, and **B. Don Russell,** Texas A&M University
- 4 **Advanced Line Current Differential Relay with Distance Protection and Adaptive Fault Location**
Hideyuki Takani, Toshiba Corp.
- 4:35 ADJOURN

PAPERS WITHOUT PRESENTATION

Impact of IEC 61850 on Fault and Disturbance Analysis Systems
Alexander Apostolov, OMICRON Electronics

Distance Element Performance Under Condition of CT Saturation
Joe Mooney, Schweitzer Engineering Laboratoires Inc.

Continuing Education Units

Each participant completing the course successfully will earn 1.4 CEUs. You may request a certificate of completion showing the number of CEUs you have earned by e-mailing ceu-request@dlpe.gatech.edu.



POWER SYSTEM CERTIFICATE PROGRAM

The Georgia Tech Power System Certificate Program offers a series of comprehensive short courses covering all major aspects of power-system modeling design, control, and operation, taught by experts in the field.

To complete the certificate, candidates are required to take a total of 12 days of instruction, of which at least six days must be selected from core courses. Both core and elective courses are offered once a year (approximately at the same time each year), and properly spaced to facilitate achievement of the certificate.

Anyone who wishes to take individual courses without pursuing a certificate is welcome to do so.

For more information or questions, contact Professor A. P. "Sakis" Meliopoulos at 404-894-2926 or sakis.meliopoulos@ece.gatech.edu.

Core Courses	Dates
Integrated Grounding System Design and Testing	March 25-28, 2008
Grounding, Harmonics, & Electromagnetic Influence Design Practices	June 18-20, 2008
Power Distribution System Grounding and Transients	Sept. 23-25, 2008
Power System Relaying: Theory and Application	Oct. 20-23, 2008
Modern Energy Management Systems	Nov. 12-14, 2008

Elective Courses	Dates
Fault and Disturbance Analysis Conference	May 19-20, 2008
Georgia Tech Protective Relaying Conference	May 21-23, 2008

For more information, call Georgia Tech Professional Education at 404-385-3500.

