

Alexander Apostolov
OMICRON Electronics
2950 Bentley Ave., Unit 4
Los Angeles, CA 90064
310-478-5967 (phone)
aapostolov@ca.rr.com

Alan D. Baker - SPO/JB
Florida Power & Light Co.
P.O. Box 14000, SPO/JB
Juno Beach, FL 33408-0420
561-694-4787 (phone)
561-694-3177 (fax)
alan_d_baker@fpl.com

Dave Bertagnolli
ISO - New England
One Sullivan Road
Holyoke, MA 01040
413-535-4330 (phone)
413-535-4343 (fax)
dbert@iso-ne.com

Greg Bradley
APP Engineering, Inc.
5234 Elmwood Ave.
Indianapolis, IN 46203
317-536-5300 (phone)
317-536-5301 (fax)
317-442-4075 (cell)
gbradley@appengineering.com

Phillip L. Corliss
Qualitrol Company/Hathaway
Instruments Division
7852 South Elati Street, Suite #102
Littleton, CO 80120
303-925-1512 (phone)
303-799-8880 (fax)
phil.corliss@qualitrolcorp.com

Sherry L. Goiffon
Oncor Electric Delivery
P.O. Box 970 (76101-0970)
115 W. 7th Street, Suite 117
Fort Worth, TX 76102
817-215-6994 (phone)
817-454-4584 (cell)
817-215-6889 (fax)
Sherry.Goiffon@oncor.com

Accommodations

Hotel accommodations are available at the Georgia Tech Hotel & Conference Center, 800 Spring St. NW Atlanta, GA 30308. For any other requests or inquiries, please call the hotel directly at (800) 706-2899 or (404) 838-2100. Be sure to indicate you are attending the Georgia Tech Fault and Disturbance Analysis Conference, or give them the group password "prc0511", to receive our special rate.

Hospitality Suites

You are encouraged to visit the hospitality suites, after 5 p.m. on Monday - Tuesday, May 9-10 at the Georgia Tech Hotel and Conference Center.

Cancellation Policy

DLPE's Cancellation · Transfer · Substitution Policy may be found at www.pe.gatech.edu/policies, then click on the Cancellation, Refund, Transfer, & Substitution Policy link.

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 Institute of Technology, Professional Education, P.O. Box 93686, Atlanta, GA 30377-0686

Georgia Institute of Technology reserves the right to cancel a course for any reason, including insufficient enrollment. If a course is canceled, all registration fees will be refunded or can be transferred to another course.

Jim Hackett
Mehta Tech Inc.
208 North 12th Avenue
Box 350
Eldridge, IA 52748
563-285-9151 ext 54 (phone)
563-285-7576 (fax)
563-505-3067 (cell)
hackett@mehtatech.com

Theo Laughner
Tennessee Valley Authority
1101 Market St. Mailstop MR5K-C
Chattanooga, TN 37402
423-751-2204 (phone)
563-285-7576 (fax)
865-385-3838 (cell)
tlaughner@tva.gov

A. P. Sakis Mellopoulos
School of Electrical & Computer Engineering
Georgia Institute of Technology
Atlanta, GA 30332-0250
404-894-2926 (phone)
404-894-4641 (fax)
sakis@comcast.net
sakis.m@gatech.edu

Tony Napikoski
United Illuminating
6 Armstrong Road
Shelton, CT 06484
203-926-4618 (phone)
203-926-4664 (fax)
Anthony.Napikoski@uinet.com

Robert Orndorff
Dominion Virginia Power
2400 Grayland Avenue, First Floor
Richmond, VA 23220
804-257-4960 (phone)
804-257-4611 (fax)
Robert.M.Orndorff@dom.com

R. Jeff Ricker
Consumers Energy
1954 Parnall Rd.
Rm. P12-306
Jackson, MI 49201
517-788-2516 (phone)
517-788-0917 (fax)
rjicker@cmsenergy.com

Al Ward
Progress Energy Corporation
PO Box 1551 TPP17
Raleigh, NC 27602
919-546-6619
al.ward@pgnmail.com

Andy A. Windham
Georgia Power Company
225 Lawn Market
Sharpsburg, GA 30277
770-463-1455 (phone)
404-218-7737 (cell)
AAWINDHA@southernco.com

Mike Xavier
E-Max Inst., Inc.
13 Inverness Way South
Englewood, CO 80112
303-799-6640 (phone)
303-790-2352 (fax)
mikex@e-maxinstruments.com

R. Jeff Ricker
Consumers Energy
1954 Parnall Rd.
Rm. P12-306
Jackson, MI 49201
517-788-2516 (phone)
517-788-0917 (fax)
rjicker@cmsenergy.com

Al Ward
Progress Energy Corporation
PO Box 1551 TPP17
Raleigh, NC 27602
919-546-6619 (phone)
al.ward@pgnmail.com

Jon L. Goodson
Utility Systems, Inc.
8431 Castlewood Dr.
Indianapolis, IN 46250
317-841-5544 (phone)
317-440-7966 (cell)
317-849-7600 (fax)
jgoodson@faultrecorder.com

Register by April 22nd & Save!

POWER SYSTEM CONFERENCES

14th Annual Georgia Tech Fault and Disturbance Analysis Conference

Monday-Tuesday, May 9-10, 2011
Georgia Tech Global Learning Center • 1.4 CEUs • \$280

Registration Information

ONLINE: www.pe.gatech.edu/fdac
PHONE: 404-385-3501

▪ **14th Annual Fault and Disturbance Analysis Conference**
Monday-Tuesday, May 9-10, 2011 | Atlanta
Early Bird Fee by April 22: \$250 | Standard Conference Fee \$280

▪ **OR BOTH 65th Annual Protective Relaying Conference and 14th Annual Fault and Disturbance Analysis Conference**
Monday-Thursday, May 9-12, 2011 | Atlanta
Early Bird Fee by April 22: \$545 | Standard Conference Fee \$605

www.pe.gatech.edu/fdac

Georgia Institute of Technology
Distance Learning and Professional Education
P.O. Box 93686
Atlanta, GA 30377-0686

NONPROFIT
ORGANIZATION
US POSTAGE PAID
GEORGIA
INSTITUTE OF
TECHNOLOGY

*****AUTO**MIXED AADC 300 T5 P1
Keycode: DLPEPP
GREG BRADLEY
APP ENGINEERING, INC
5234 ELMWOOD AVE
INDIANAPOLIS IN 46203-5915

Save up to \$60!
Register by April 22nd

Georgia
Tech

Examine Recent Electrical Disturbances and Possible Solutions



POWER SYSTEM CONFERENCES

14th Annual Georgia Tech Fault and Disturbance Analysis Conference

Monday-Tuesday, May 9-10, 2011
Georgia Tech Global Learning Center
Atlanta • 1.4 CEUs • \$280

ADVANCE
YOURSELF
Earn Your Power
System Certificate
Details Inside

www.pe.gatech.edu/fdac

Monday, May 9, 2011

8:00 Registration, Georgia Tech Global Learning Center

8:30 Conference Opening/Welcoming Remarks

A.P. Sakis Meliopoulos - Professor, School of Electrical and Computer Engineering

Andy A. Windham - Chairman, Transient Recorder Users Council, web site: <http://www.truc.org/>**Future Conferences**

2012 FDAC April 30 - May 1 at Georgia Tech Global Learning Center

2013 FDAC April 29 - 30 at Georgia Tech Global Learning Center

MORNING SESSION

Chairman: Alex Apostolov, OMICRON Electronics

Co-Chair: Phillip L. Corliss, Qualitrol Company/Hathaway

8:40 Effective Utilization of Phasor Measurement Unit (PMU) Data for Triggers and Continuous Recording Using Digital Fault Recorders

Krish Narendra, Dave Fedirchuk - ERLPhase Power Technologies

George Punnose - Easun Reyrolle Ltd, India

9:15 Real Time Multiterminal Fault Location System for Transmission Networks

Yanfeng Gong, Mangapathirao Mynam, Armando Guzman, Gabriel Banmouyal, Schweitzer

Engineering Laboratories, Inc.

Boris Shulim, Orange and Rockland Utilities, Inc.

9:50 Analysis of a Cascading Operation for Two Line Faults at National Grid

Y. Irene Lu, Song Li, National Grid

10:25 BREAK

10:40 Impact of Cyber Security Attack on Energy Sector

Tribhuvan Choubey, Southern California Edison International

11:15 Improved Quantification of Lightning Impact on Transmission Lines

Theo Laughner, Eugene R. Nelson - TVA

Kenneth L. Cummins - University of Arizona and Vaisala

Steven A. Cummer - Duke University

Fabio Bologna - EPRI

11:50 Best Paper Award Presentation

12:00 LUNCH

AFTERNOON SESSION

Chairman: Jim Hacket, Mehta Tech Inc.

Co-Chair: Andy Windham, Georgia Power Company

1:00 NERC Update

Bob Cummings, NERC

1:35 Using COMTRADE to Commission Protection

Steve Turner, Beckwith Electric Co.

2:10 BREAK

2:25 What Time Is It?

Theo Laughner, TVA

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 10, 2011**MORNING SESSION**

Chairman: Theo Laughner, Tennessee Valley Authority

Co-Chair: Robert Orndorff, Dominion Virginia Power

8:00 Automated Fault and Disturbance Analysis: Understanding the Configuration Challenge

Mladen Kezunovic, T. Popovic, TLI, Inc.

M. Datta-Barua, CenterPoint Energy

S. Sternfeld, First Energy Corp.

Deepak Maragal, NYPA

8:30 Records from DFRs vs. Records from Microprocessor Based Relays

Hugo Davila - ERLPhase Power Technologies

9:10 Fault Location by Traveling Waves: Application in High-Impedance Events

Sergio Zimath, Jurandir Oliveira, REASON Tecnologia S.A.

9:45 BREAK

10:00 Distribution Feeder Fault Location Using IED and FCI

Yanfeng Gong, Armando Guzman, Schweitzer Engineering Laboratories, Inc.

10:35 Common Format for IED Event Data (PC37.239) Report

Mark Adamiak, GE Digital Energy Multilin

11:10 Synchrophasor Security Practices

John Stewart, TVA

Thomas Maufer, Mu Dynamics, Inc.

Rhett Smith, Eren Ersonmez, Schweitzer Engineering Laboratories, Inc.

11:45 LUNCH

AFTERNOON SESSION

Chairman: Alan D. Baker, Florida Power & Light Co.

FOCUS ON SMARTER GRIDS

Co-Chair: Jon Goodson, Utility Systems, Inc.

12:45 Remotely-Initiated Synchronizing During a System Restoration Condition

Sara Huggard, Rina Bajaria, Pedro Melendez, Adam Cianfarani, Steven Watros, ITC Holdings Corp.

1:20 Wide-Area Awareness: Smarter Power Grid Monitoring and Analysis

G. Antonova, S. Paduraru, J. Naccarino, E. Price, ABB

1:55 Understanding the Differences Between an Office Switch and a Substation Switch

Sergio Luiz Zimath, Jurandir Oliveira, REASON Tecnologia S.A.

2:30 BREAK

2:40 Smart Grid Testing for Automatic-Distribution-Restoration Systems

(With Modern Reclosers & Sectionalizers)

David Marble, OMICRON Electronics

John Witte, Orange and Rockland Utilities

3:25 Naming Installed Intelligent Electronic Devices (IEDs)

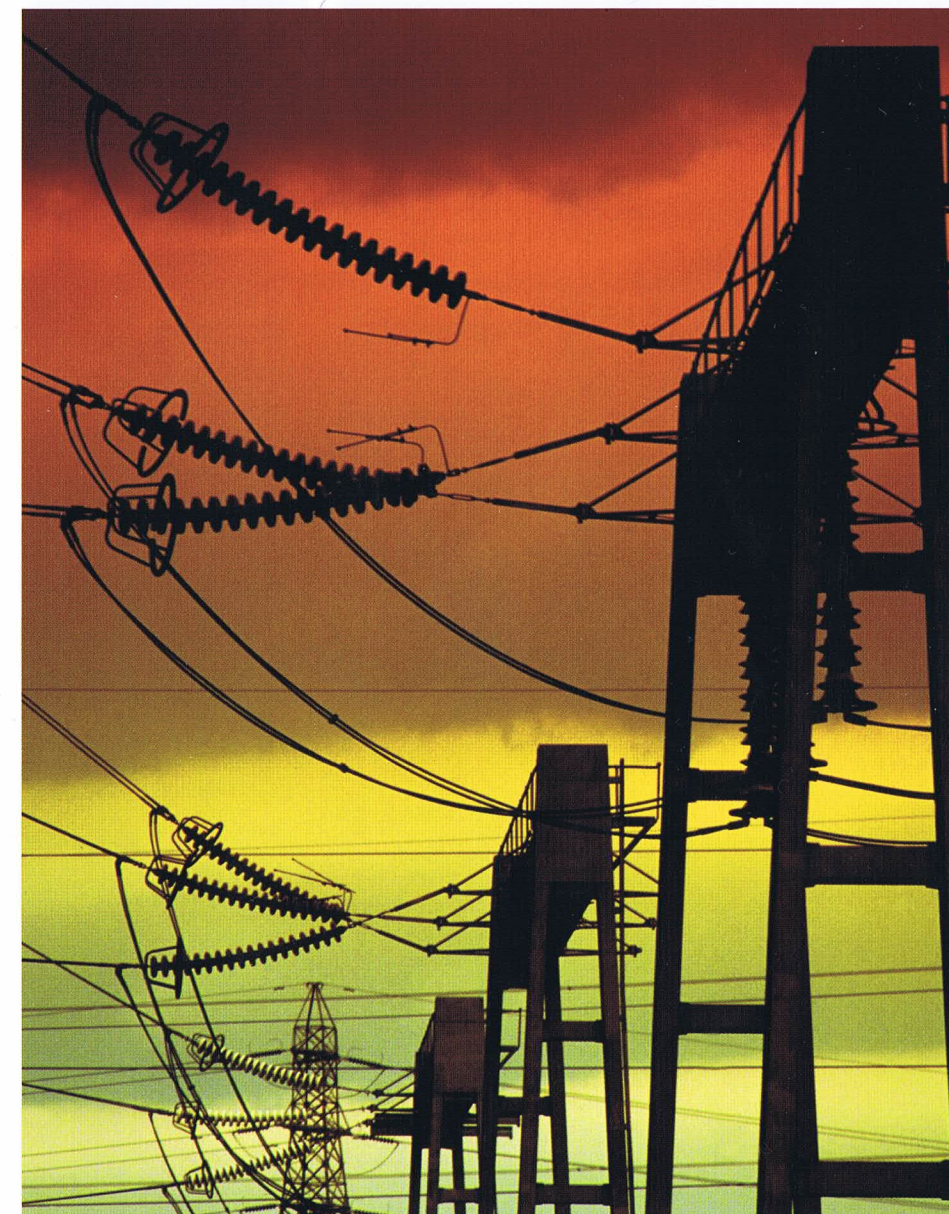
James R. Cornelison, Southern Company

4:00 Advances in Disturbance Recording and Play Back

Sakis Meliopoulos, George Cokkinides, Renke Huang, Evangelos Farantatos, Sungyun Choi

Yonghee Lee, Georgia Tech

4:35 ADJOURN

**Power System Certificate Program**

The Georgia Tech Power Systems Engineering Certificate provides a specialized education in power system modeling, design, control, and operation. Industry experts and Georgia Tech faculty will help you understand fundamental concepts and principles, and teach you how to apply them in order to solve real-world challenges.

Core Courses

- Integrated Grounding System Design and Testing
- Grounding, EMI, and Power Quality
- Power Distribution System Grounding and Transients
- Power System Relaying: Theory and Application
- Modern Energy Management Systems

Elective Courses

- Fault and Disturbance Analysis Conference
- Georgia Tech Protective Relaying Conference

For more information and to download our catalog, visit www.pe.gatech.edu/power/certificate.

