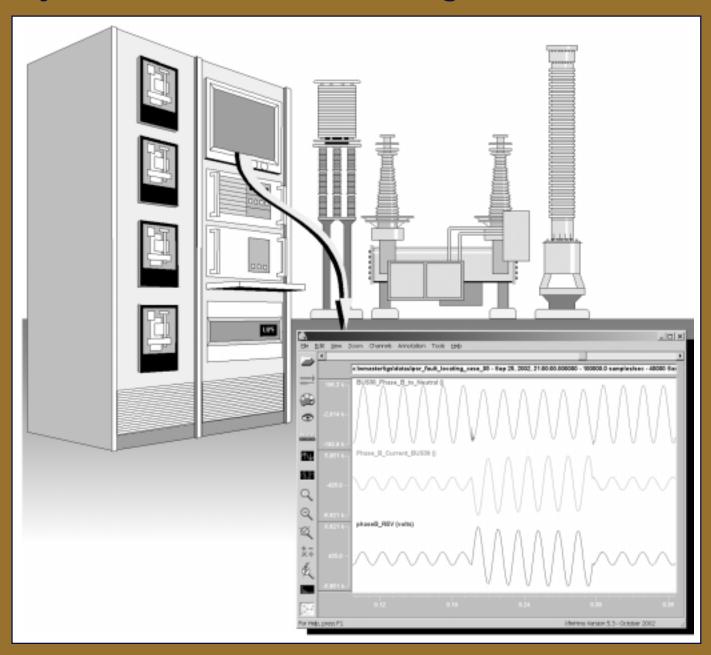


Fault and Disturbance Analysis Conference

May 5-6, 2003 · Atlanta, Georgia



Program Outline

Monday,	May 5, 2003		y, May 6, 2003
8:00 a.m.	Registration	Morning Se	ession
	Paul Weber Space Science and Technology Building		Chairman: Mike Xavier
8:30	Conference Opening & Welcoming Remarks		E-Max Inst., Inc.
	A.P. Sakis Meliopoulos	8:00 a.m.	Arcing Fault 'Resistance' (It Isn't)
	Professor, School of Electrical and Computer Engineering		Glenn Swift
	James Ingleson		Dave Fedirchuk
	Chairman, Transient Record Users Council		NxtPhase Corporation
Morning Ses			Tom Ernst
	Chairman: Tony Napikoski	8:40	Minnesota Power
8:45 a.m.	The United Illuminating Company Shart Congritor Failure Investigation Using a Digital Fault Passadar	0:40	Fault Locating From DFR Data: Effects of Grounding, Asymmetry and Arc Voltage on Accuracy
0.45 a.III.	Shunt Capacitor Failure Investigation Using a Digital Fault Recorder D. A. Selin		A.P. Sakis Meliopoulos
	W. H. Perry		Georgia Institute of Technology
	B. L. Agrawal		George J. Cokkinides
	J. A. Demcko		University of South Carolina
	Arizona Public Service Company	9:20	Fault Analysis Using Protective Relay Digital Fault Records
9:25	System for Automatic Double-ended Fault Location		Elmo Price
	Jim Hackett		ABB
	Hydro One Networks Inc.	10:00	BREAK
10:05	BREAK	10:15	Display and Discussion of Actual Fault Records Brought by Participants
10:30	Measurements of the Power Quality Factors at a Coupling		Bill Royce, Moderator
	Point of Distribution and Transmission Systems		Carolina Power and Light
	Zbigniew Hanzelka	10:55	Economic Impact of the Use of Digital Fault Recorders
	Wadyslaw Oziak		(DFR) On Maintenance and Network Operating Costs of
	Marcin Chechelski		Transmission Grid
	Marcin Wodarczyk		Sazali P. Abdul Karim
	Robert Jarocha		Tenaga Nasional Berhad
	Jan Strzaka	11:35	LUNCH
	Marek Rogo	Afternoon S	
11.10	University of Mining and Metallurgy, Krakow, Poland		Chairman: John Demcko
11:10	Fault and Disturbance Recording in Substation Automation Systems	1:00	Arizona Public Service
	Alexander Apostolov Alstom T&D Protection	1:00	Presentation of Relay Fault, Settings and Waveform data as Human and Machine -Readible Web Pages
11:50	LUNCH		William T. Shaw
Afternoon Se			Qualitrol/Hathaway Industrial Automation, Inc
THE MOON BY	Chairman: Ben Trèmèrie	1:40	"More Data, Less Burden = increased knowledge and
	LEM Instruments		efficiency"
1:00	Analysis of Transmission Capacitor Bank Events		Darrell Herron
	Robert Orndorff		Mississippi Power Company
	Dominion Virginia Power		Ben J. Trèmèrie
1:40	Power System Damping Based on Phasor Measurements		LEM Instruments
	Daniel Karlsson	2:20	Security Aspects of Communications to Substations
	Arve Sollie		Mark Adamiak
	Helga Johammsdottir		GE Multilin
	Nils Gustavsson		Herb Faulk
	Thorhallur Hrafnsson Landsvirkjun	0.00	SISCO
	ABB Automation, Inc.	3:00	BREAK
	Olof Samuelsson	3:20	Voltage Dips and Short Supply Interruptions in
0.00	IEA, Lund University		Contracts for the Electric Power Supply from High Voltage Systems
2:20	Upgrading Digital Fault Recorder Systems		Zbigniew Hanzelka
	Robert Baldwin Southern California Edison		Wadyslaw Oziak Tomasz Mai
3:00	BREAK		Grzegorz Matusz
3:15	Using Event Recordings to Verify Protective Relay Operations		Jan Strzaka
3.13	A. T. Giuliante		University of Mining and Metallurgy, Krakow, Poland
	ATG Exodus, Inc.	4:00	Detection and Recording of Power Quality Events in Distributions
	Donald MacGregor		Systems
	Electrocon International, Inc.		Alexander Apostolov
	Amir Makki		Alstom T&D Protection
	SoftStuf	4:40	ADJOURN
	Tony Napikoski		
	The United Illuminating Company		
3:55	Users Forum		
4:35	ADJOURN		

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Registration

Register by:



WORLD WIDE WEB: Register online at www.conted.gatech.edu/register



E-MAIL: register@conted.gatech.edu Please include all of the information outlined on the registration form. Also, include the course name, date, number, key code, and method of payment.





FAX: Send the registration form along with your credit card information to (404)894-8925. This line is available 24 hours a day.

or



MAIL: Georgia Institute of Technology Professional Education—R P.O. Box 93686 Atlanta, Georgia 30377-0686

or



PHONE: (404) 385-3501 between 9:00 a.m. and 4:00 p.m., Eastern time. Have your credit card and your registration form handy to aid in this process.

After you register, you will receive your confirmation letter with detailed instructions. The Georgia Institute of Technology reserves the right to cancel a course for any reason, including insufficient enrollment. If a course is cancelled, all registration fees will be refunded or can be transferred to another course.

Course Fee

The course fee of \$200 includes a copy of the conference proceedings, a CD of the conference proceedings, and refreshments. Extra copies of the proceedings may be purchased during the conference for \$20 each, or after the conference for \$70. Many courses have limited enrollment and fill quickly. Register early to ensure your place in this program. Please remit payment no later than 10 days prior to the course start date. Advance payment is required to guarantee your place in the class. We accept checks made payable to Georgia Tech; or charges to VISA, MasterCard, American Express, or Discover cards.

Course Location and Accommodations

This conference will be held at the **Paul Weber Space Science and Technology Building** located on the Georgia Tech campus.

The conference hotel is the **Renaissance Atlanta Hotel Downtown**, which is located at 590 West Peachtree Street, N.W., Atlanta, Georgia. A block of rooms has been reserved for the program registrants, but will be released four weeks prior to the program at the host hotel. Mention that you are attending a Georgia Tech program for a special room rate. For hotel reservations, call (404) 881-6000.

Participants may wish to take MARTA (Metro Atlanta Rapid Transit Authority) between the airport and the **Renaissance Atlanta Hotel Downtown.** The hotel can be conveniently reached by taking MARTA to the North Avenue train station. Exit at the West Peachtree and North Avenue intersection and then proceed one block south on West Peachtree to the hotel.

The Georgia Tech Professional Education Department is not responsible for any hotel cancellation charges, penalties, billing discrepancies, etc. as a result of recommending a preferred hotel. The hotel reserves the right to enforce their policies, procedures, and applicable cancellation fees.

The Georgia Tech Professional Education Department does not refund nor validate parking while attending Professional Education programs.

Continuing Education Units

This program meets the criteria for the nationally accepted Continuing Education Unit (CEU). Each participant completing the course successfully will earn 1.2 CEUs. You may request a certificate of completion showing the number of CEUs you have earned by calling (404) 385-3514.

Cancellations and Refunds

To cancel your registration and receive a full refund, you must call Continuing Education at (404) 385-3501 at least 10 business days prior to the course start date. A course cancellation received fewer than 10 days prior to the course start date will be refunded the registration amount, less \$50 to cover the costs of materials and facilities. If you do not call Continuing Education to cancel your registration and do not attend the course, you are still responsible for the full registration fee. However, substitutions and transfers to a subsequent course are permitted at any time.



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Fault and Disturbance Analysis Conference May 5-6, 2003 • Atlanta, Georgia

REGISTRATION FORM	KEY CODE:		
🗅 EE-190 Fault and Disturbance Analysis Confer	ence (x35-335)		
May 5-6, 2003 Atlanta Georgia			
OR BOTH EE-190 Fault and Disturbance Analy	rsis Conference		
and EE-115 57th Annual Protective Relaying C May 7-9, 2003 Atlanta, Georgia	onference (x35-334)		
	, but add me to your mailing list.		
PLEASE PRINT CLEARLY			
□ Please send my confirmation via E-mail.	Are you a Georgia Tech graduate? □ Yes □ No		
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Organization:			
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