

## 28th Annual Georgia Tech Fault and Disturbance Analysis Conference April 13-14, 2026

Monday, April 13, 2026	
8:00 AM	<b>Registration</b>
8:30 AM	<b>Conference Opening - Welcoming Remarks</b> A.P. Sakis Meliopoulos, Professor, School of Electrical and Computer Engineering, Georgia Tech Grace Piercy, Tennessee Valley Authority, Chair, Transient Recorder Users Council
<b>Morning Session - Session Chair: Shane Haveron, Session Vice-Chair: Ethan Mueller</b>	
8:40 AM	<b>Data Acquisition, Monitoring, Calibration, P&amp;C Health and Event Analysis in Digital Substations</b> Sakis Meliopoulos & George Cokkinides, Georgia Institute of Technology
9:20 AM	<b>The Effect of Fault Impedance Angle on Fault Location</b> Robert Orndorff, Kyle Thomas & Ana Ospina, Elevate Energy Consulting Amir Makki & Maria Rothweiler, SoftStuf, Inc.
10:00 AM	<b>Break</b>
10:20 AM	<b>Field Case Analysis of Protection Schemes Applied to Transmission Lines Connecting Inverter-Based Resources to the Grid</b> Ricardo Abboud, Fabio Lollo & Paulo Lima, Schweitzer Engineering Laboratories, Inc. Marcelo Bini, EDF Renewables
11:00 AM	<b>Utility Experience with RC Voltage Divider</b> T. Laughner, Lifescale Analytics, C. Gerber & A. Morando, Pfiffner, N. Skoff, Dominion Energy Virginia, C. Thimmes, AEP, B. Warmack, Oak Ridge National Laboratory
11:40 AM	<b>Best Paper Award, Recognitions</b>
11:50 AM	<b>Lunch - On Your Own</b>
<b>Afternoon Session - Session Chair: Angelo Tempone, Session Vice-Chair: Greg Bradley</b>	
12:50 PM	<b>NERC Update</b> John Paul Skeath, NERC
1:30 PM	<b>Iberian Peninsula Outage Overview and Impact on North America</b> John Paul Skeath, NERC
2:10 PM	<b>Break</b>
2:25 PM	<b>Vegetation Contacts with Medium-Voltage Conductors: Summary of Field Experiments</b> Jeffrey Wischkaemper, B. Don Russell, Carl Benner & Karthick Manivannan, Texas A&M University
3:05 PM	<b>Stealing VARs in Broad Daylight: Inverter-Based Solar Challenges on the Distribution Grid</b> Sherif Salem, Eversource Energy, Bob McFetridge, Beckwith Electric
3:45 PM	<b>Break</b>
3:55 PM	<b>A Survey of Fault Studies with a Large IOT Power Quality Sensor Network</b> Theo Laughner, Lifescale Analytics James Anderson, Joe McNulty & Bob Marshall, Whisker Labs
4:35 PM	<b>Display and Discussion of Actual Fault Records Brought by Participants</b> Moderator: Ethan Mueller
5:00 PM	<b>Adjourn</b>
5:00 - 9:00 PM	<b>Vendor Exhibits Open</b>

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Tuesday, April 14, 2026	
Morning Session - Session Chair: Eli Wallace, Session Vice-Chair: Tony Ranson	
8:00 AM	<b>The Phantom Tertiary Menace</b> Brendan Preece, Daniel Marinelli & Alec Kumpf, Southern Company Services P&C Applications
8:40 AM	<b>Inverter-Based Resource Penetration: How Much is Too Much? An Attempt to Answer the Question of What Constitutes High Penetration of IBR Resources</b> Abel Gonzales, Dhanabal Mani & Volney Naranjo, Megger
9:20 AM	<b>Tree Times the Charm: A Cultivated Approach to Targeted Tree Trimming,</b> Mychal Kistler & Joseph Thomas, Schweitzer Engineering Laboratories Pei Chan, PPL Electric Utilities
10:00 AM	<b>Break</b>
10:20 AM	<b>Data Sources for AI Analysis Applications in IEC 61850 Based Digital Substations</b> Alexander Apostolov, Omicron Electronics
11:00 AM	<b>Analysis of 115kV line differential protection trip after the shunt capacitor bank energization</b> Song Ji, Steven Gingras & Matthew White, National Grid USA
11:40 AM	<b>Lunch</b> - On Your Own
Afternoon Session - Session Chair: Grace Piercy, Session Vice-Chair: Song Ji	
12:40 PM	<b>An interesting overreach mis-operation and the process of solving mis-operations</b> Paul Hodges, Tampa Electric Company
1:20 PM	<b>Circuit Breaker Life Monitoring: A Tutorial</b> Joao Bruna, Mike Kockott, Sergiu Paduraru & Andreas Schibli, Hitachi Energy
2:00 PM	<b>Feature-Based PMU Event Classification under Variable PMU Participation and Overlapping Events</b> Reza Nematirad, Zheyuan Cheng & Farrokh Aminifar, Quanta Technology
2:40 PM	<b>Break</b>
3:00 PM	<b>FLISR Application for the Protection of Distribution Systems with High Penetration of IBRs</b> Alexander Apostolov, OMICRON Electronics
3:40 PM	<b>Zone 3 Phase Distance Protection: Balancing Dependability, Security, and Compliance</b> Navid Nassiri, Glenn Callaghan & Rochak Shiwakoti, Power Relaying Solutions
4:20 PM	<b>User Forum</b> Moderator: Lori Hartzog, Co-Moderator: Eli Wallace
5:00 PM	<b>Closing Remarks - Adjourn</b>
5:00 - 9:00 PM	<b>Vendor Exhibits Open</b>