## 23nd Annual Georgia Tech Fault and Disturbance Analysis Conference April 27-April 28, 2020

Monday, April 27, 2020						
8:00 AM	Registration					
8:30 AM	Conference Opening - Welcoming Remarks  A.P. Sakis Meliopoulos  Professor, School of Electrical and Computer Engineering, Georgia Tech  Doug Dunay  Georgia Power Corporation  Transient Recorder Users Council	Chair,				
Morning Session - Session Chair: Theo Laughner , Session Vice-Chair: Angelo Tempone						
8:40 AM	Automated Fault and Disturbance Analysis System for Solar Generation					
9:20 AM	Gefei (Derek) Kou , Thomas Purcell, Robert Orndorff Dominion Energy  A Most Unusual Event Analysis  Frank Stacom, Stacom Engineering Company Ed McGann, Vermont Electric Power Company					
10:00 AM	Break					
10:20 AM	When is a Voltage Differential Relay (87V) not a Voltage Differential Relay?  Dean Sorensen, Ankita Roy National Grid					
11:00 AM	Event Investigation of 69 kV Double-Circuit Faults Amanvir Sudan, Schweitzer Engineering Laboratories, Inc. Ahsan Mirza, Christopher Bolton, Girolamo Rosselli, John Dixon San Diego Gas & Electric					
11:40 AM	Best Paper Award, Recognitions					
11:50 AM	Lunch - On Your Own					
Afternoon Session - Session Chair: Greg Bradley , Session Vice-Chair: Tony Ranson						
12:50 PM	NERC Update Bob Cummings					
1:30 PM	Fault Analysis and the Fourier Transform Explained Amir Makki, Maria Rothweiler, Softstuf Robert Orndorff, John Kotula Dominion Energy					
2:10 PM	Break					
2:30 PM	A National Infrastructure for Artificial Intelligence on the Grid Theo Laughner PowerGRID-RX, Inc. Sean Murphy, Michael Anderson PingThings, Inc Alexandra von Meier, Mohini Bariya University of California Berkeley					
3:10 PM	Display and discussion of Actual Fault Records brought by participants  Moderator: Robert Orndorff					
3:50 PM	Break					
4:00 PM	User Forum - Moderator: Kyle Thomas/Danny Aramouni					
5:00 PM	Adjourn					

Mo	Morning Session - Session Chair: Lori Hartzog, Session Vice-Chair: Marlin Browning					
8:00 AM Rit	Using High-Resolution Oscillography to Improve the Performance of Controlled Switching for Transformers Ritwik Chowdhury, Brett Hampson, Schweitzer Engineering Laboratories, Inc. Vetti Bala Genesis Energy					
Χ'ΔΠ ΔΙΜ	nalysis of a Transformer Differential Relay Over-trip on an External Fault at National Grid ujie (Irene) Lu, Song Ji National Grid					
9.70 ΔΜ	reatest Hits: A Compilation of My Favorite Waveform Disturbances avid Mueller, EnerNex					
10:00 AM Br	reak					
10:20 AM Co	roposal of a Novel Automation Methodology for Disturbances Analysis Process in XM, the planting Electrical System Operator plasco de Jesus Orrego XM, Felipe Quintero Universidad de Medellin					
	valuation of Electrical Degradation in High Voltage Circuit Breaker Monitoring nillip Corliss, PMC Nicola Gariboldi Qualitrol Corporation, LLC					
11:40 AM Lu	ınch - On Your Own					
Afternoon Session - Session Chair: Tony Murphy , Session Vice-Chair: Irean Lu						
12:40 PM are	tilization of PMU data through effective angle prediction algorithm for the prevention of wide rea blackouts  arina Adhikari, David Mueller, Bob Zavadil, EnerNex, A CESI Company					
1.70 00/	unctional Testing of Disturbance Recording Systems in Digital Substations exander Apostolov, OMICRON electronics					
2:00 PM ca	nalysis of the unexpected operations at a 345kV National Grid substation associated with pacitor bank switching-off operation ong Ji, Yujie (Irene) Lu, National Grid					
2:40 PM Br	reak					
3:00 PM <b>m</b> e	armonic Analysis of a wind power plant-A comparative analysis case study of modeling and easurement kash Poudel, Chandra Pallem, David Mueller Enernex A CESI Company					
3:40 PM <b>an</b>	Power Utility in-house Automated Disturbance Recording System Using Protection IEDs, Modbus and Python  laxwell Kwesi Graham, Emmanuel Dana Buedi Damodar, Karl Senanu Krause, Emmanuel Sarfo waffo Power Distribution Services Ghana Limited					
Δ. / Π Ρ Ι / Ι	ase Studies in Analyzing Transformer Installation Faults  Idipta Maiti Damodar Valley Corporation					
5:00 PM Clo	osing Remarks - Adjourn					

Alternate Papers & Coordinator:	Chair	Rene Mendoza	,Vice-Chair	Danny Aramouni
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Case Studies in Analysis of Transmission Line Faults
Sudipta Maiti Damodar Valley Corporation

Standards-based Measurements in a Multi-function DFR

Shane Haveron AMETEK Power Instruments