

RTDS® North American User's Group Meeting Agenda

May 5, 6 & 7, 2015

SF Green Space at EEFG
657 Mission Street, Suite 200
San Francisco, CA 94105

Tuesday, May 5

08:00 AM - 09:00 AM	Registration and coffee
09:00 AM - 09:05 AM	Introduction to keynote speaker
09:05 AM - 09:30 AM	Keynote Speech: The Past and the Future of Real Time Digital Simulation Dennis Woodford • Electranix Corporation
09:30 AM - 09:45 AM	Welcome address from RTDS Technologies Inc.
09:45 AM - 10:15 AM	User Presentation 1: Black Start Study Using RTDS in Dominion Virginia Power Dominion Virginia Power • Rui Sun
10:15 AM - 10:45 AM	Coffee break
10:45 AM - 11:15 AM	User Presentation 2: Real-Time Simulations Approach for Analyzing Voltage Instability Prediction in Power Systems University of Saskatchewan • Ramakrishna Gokaraju
11:15 AM - 11:45 AM	User Presentation 3: Use of RTDS to Validate and Mitigate Voltage Imbalance for a Customer-Owned Generator Southern California Edison • Allison Auld
11:45 AM - 01:00 PM	Lunch break
01:00 PM - 01:30 PM	User Presentation 4: Power Hardware-in-the-Loop Simulation Testing of Solar PV Inverter Unintentional Islanding and Hybrid Medium Voltage AC/DC Systems Florida State University • Karl Schoder
01:30 PM - 02:00 PM	RTDS Technologies Presentation 1: Modeling and Simulation of a Grid-Integrated Photovoltaic System using a Real Time Digital Simulator Onyi Nzimako • Simulation Specialist
02:00 PM - 02:30 PM	User Presentation 5: Substation Automation Testing Using Real Time Digital Simulation (RTDS) Southern California Edison • Son Le, Zeus Xioco
02:30 PM - 03:00 PM	Coffee break
03:00 PM - 03:30 PM	User Presentation 6: EMTP versus Transient Package and Unsymmetrical Switching of Transmissions Lines University of Illinois • Prosper Panumpabi

03:30 PM – 04:00 PM	User Presentation 7: The Changing Needs of Non-Real Time Simulation – EMTDC/PSCAD Electranix Corporation • Dennis Woodford
04:00 PM - 04:30 PM	User Presentation 8: Real Time Digital Simulation For Testing of Excitation Control Basler • Kiyong Kim
04:30 PM - 05:00 PM	Open discussion period

Wednesday, May 6

08:30 AM - 09:00 AM	User Presentation 9: Real-Time Studies for Smart Grid Operations Clemson University • G. Kumar Venayagamoorthy, P. Arunagirinathan
09:00 AM - 09:30 AM	User Presentation 10: RTDS Domain Space in Large Scale Wide-Area Applications Pacific Gas & Electric • Vahid Madani
09:30 AM - 10:00 AM	Coffee break
10:00 AM - 10:30 AM	User Presentation 11: Distributed Real Time Simulations using RTDS Idaho National Lab • Manish Mohanpurkar
10:30 AM - 11:00 AM	RTDS Technologies Presentation 2 – RTDS and IEC 61850 MMS Dean Ouellette • Technology Manager for Protection and Automation
11:00 AM - 11:30 AM	User Presentation 12: New Requirements for Testing Applications Using Traveling Waves Schweitzer Engineering Labs • Venkat Mynam
11:30 AM - 12:00 PM	User Presentation 13: North Carolina State University • Govind Chavan
12:00 PM - 01:00 PM	Lunch break
01:00 PM - 01:30 PM	User Presentation 13: Research and Educational Activities in Duke Energy Smart Grid Laboratory University of North Carolina Charlotte • Sukumar Kamalasan
01:30 PM - 02:00 PM	User Presentation 14: Comparing the Transient Performance of a Type 3 Wind Turbine Modelled in the RTDS and that of Actual Model of a Type 3 Wind Turbine Schweitzer Engineering Labs • Normann Fischer
02:00 PM - 02:30 PM	User Presentation 15: RTDS Testing of a Refinery Load Shedding Scheme Power Engineers • Jared Mraz
02:30 PM - 03:00 PM	Coffee break
03:00 PM - 03:30 PM	User Presentation 16: RTDS GTFPGA for Controller and Power Hardware In The Loop with 20 MVA Grid Emulator Clemson University • Jesse Leonard
03:30 PM - 04:00 PM	User Presentation 17: A Look into the System Studies for the Plains & Eastern HVDC Link TransGrid Solutions • Rebecca Ostash
04:00 PM - 04:15 PM	Open Discussion
05:45 PM - 09:00 PM	Dinner Cruise on Private Charter

Thursday, May 7

08:30 AM - 09:00 AM	RTDS Technologies Presentation 3: Big Data and its Impact on the Smart Grid – What Do We Do with All of It? Kelly McNeil • Chief Financial Officer
09:00 AM - 09:30 AM	User Presentation 18: Development of a Utility Scale Bulk Power Model Southern California Edison • My-Quan Hong, Joshua Park
09:30 AM - 10:00 AM	RTDS Technologies Presentation 4: RTDS/RSCAD Features and Enhancements Heather Meiklejohn • Principal Engineer of Support and Development
10:00 AM - 10:30 AM	Coffee break
10:30 AM - 11:00 AM	User Presentation 19: SEL Ensures Electric Power Reliability Schweitzer Engineering Labs • Jordan Bell
11:00 AM - 11:30 PM	User Presentation 20: RTDS CHIL Simulation Platform to Test Ride Through Capability for Grid Connected CONVERTER General Electric • Xinhui Wu
11:30 AM - 12:00 PM	User Presentation 21: North Carolina State University • Mahsa Kashani
12:00 PM - 01:00 PM	Lunch break
01:00 PM	Depart SF Greenspace for PG&E
02:30 PM	PG&E's Synchronphasor Proof of Concept Facility Tour
03:30 PM	Depart PG&E