

Industry Conference November 6, 2020

INDUSTRY CONFERENCE

Friday, November 6, 2020 – US Eastern Time CURENT – via ZOOM: https://tennessee.zoom.us/j/98587306980 Password: 11062020

All sessions – Q&A

10:30-10:45	Check-in
10:45-11:00	Welcome and Introduction - Kevin Tomsovic, Center Director
11:00-12:00	Invited Speakers Presentations
11:00-11:30	Dr. Danielle Merfeld, VP and CTO, GE Renewable Energy, "Advances in Wind Technology enabling the future of high penetration RE"
11:30-12:00	Mr. Patrick Panciatici, Scientific Advisor, Réseau de Transport d' Electricité (RTE), France, "(R)evolution of Power Systems"
12:00-13:00	 Student Papers/Posters – Session 1 (10 presentations and Q&A) Session Chair: Kai Sun, Associate Professor, UTK Presentations: Bilgehan Donmez, NEU, A Parallel Framework for Robust State Estimation Using Node-Breaker Substation Models Ramtin Khalili, NEU, Detection of Errors in Three-Phase Line Models Using Synchronized Phasor Measurements Yang Liu, UTK, Solving Power System Differential Algebraic Equations Using Differential Transformation Aleksandar Saric, Tufts, Multi-agent Approach to Multi-area Power System State Estimation Using the Gradient Tracking Abdul Shafae Mohammed, TU, A PSO Based Control Strategy for Combined Emission Economic Dispatch with Integrated Renewables Tianwei Xia, UTK, Extended Prony Analysis on Power System Oscillation Under a Near-Resonance Condition Samaneh Morovati, UTK, Safety Verification for Power Systems using the Handelman Representation Stavros Konstantinopoulos, RPI, Dynamic Active Power Control in Type-3 Wind Turbines for Transient Stability Enhancement Wenjie Han, Tufts, Koopman Model Predictive Control-based Power System Stabilizer Design Hantao Cui, UTK, Hybrid Symbolic-Numeric Framework for Power System Modeling and Simulation
13:00-13:30	Break
13:30-15:00	Invited Speakers Presentations
13:30-14:00	Dr. Wendy Zhang, Supervisor of Transmission Planning, PG&E, "Use Dual Function Electric Energy Storage as non-wire solution to resolve system reliability issues (thermal overloads)-Oakland Clean Energy Initiative Case Study"

14:00-14:30	Dr. Val Miftakhov, Founder & CEO ZeroAvia, "Making Aviation Sustainable - 100-seat Zero Emission Jet by 2030"
14:30-15:00	Dr. Isik Kizilyalli, Associate Director for Technology and Program Director, ARPA-E, "Electrifying Innovation: Materials to Systems"
15:00–15:30	Break
15:30–16:30	 Student Papers/Posters – Session 2 (10 presentations and Q&A) Session Chair: Kevin Bai, Associate Professor, UTK Presentations: Chengwen Zhang, UTK, Adaptive Damping Control for Three Major Utilities:
16:30-17:30	Industry and Student Panel (Industry panelists answer questions from students)
	 Industry Panelists: Dr. Shengyi Liu, Technical Fellow & Chief Architect of Platform Subsystems, Boeing Research & Technology Dr. David A. Schoenwald, Principal Member Technical Staff, Sandia National Laboratories Dr. Tao Xia, Consulting Engineer, Dominion Power Dr. Slava Maslennikov, Technical Manager, ISO New England Student Moderators: Marcelo de Castro Fernandes, RPI Jillian Ruff, UTK
17:30	Adjourn

ZOOM information:

- Join from PC, Mac, Linux, iOS or Android: https://tennessee.zoom.us/j/98587306980
 Password: 11062020
- Or iPhone one-tap (US Toll): +13017158592,98587306980# or +13126266799,98587306980#
- Or Telephone:

Dial:

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Meeting ID: 985 8730 6980

International numbers available: https://tennessee.zoom.us/u/aeqzuOz86C

• Or an H.323/SIP room system:

H.323: 162.255.37.11 (US West) or 162.255.36.11 (US East)

Meeting ID: 985 8730 6980

Password: 11062020

• SIP: 98587306980@zoomcrc.com

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