

Agenda

Twelfth Annual Monitoring and Situational Awareness Technical Conference

Theme: Insightful Evolution: Bridging Yesterday's Trends with Tomorrow's Innovations

October 8, 2024 | 8:30 a.m. – 5:00 p.m. ET

October 9, 2024 | 8:30 a.m. – 12:00 p.m. ET

Reliability First (RF)
3 Summit Park Drive, Suite 600
Cleveland, OH 44131

Tuesday, October 8, 2024

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| 7:30 – 8:30 | Breakfast |
| 8:30 – 8:40 | Welcome and Introduction <ul style="list-style-type: none">• Rob Adams, <i>Chair of NERC EMS Working Group</i> |
| 8:40 – 8:45 | Facility Safety Briefing <ul style="list-style-type: none">• Dwayne Fewless, <i>Reliability First</i> |
| 8:45 – 9:10 | Keynote Presentation <ul style="list-style-type: none">• Jeff Craig, <i>Senior Vice President of Reliability and Risk, Reliability First</i> |
| 9:10 – 9:50 | Analysis of EMS Event Outages <ul style="list-style-type: none">• Wei Qiu, <i>NERC</i> |
| 9:50 – 10:30 | Bulk Powers System Awareness Overview <ul style="list-style-type: none">• Hank Harig, <i>NERC</i> |
| 10:30 – 11:00 | Break/Networking |
| 11:00 – 11:20 | ISO New England FERC Order 881 Implementation <ul style="list-style-type: none">• Tom Weldon, <i>ISO New England</i> |
| 11:20 – 12:00 | Artificial Intelligence and Machine Learning in Real-Time Systems Operations <ul style="list-style-type: none">• Mike Legatt, <i>Resilient Grid</i> |
| 12:00 – 1:00 | Lunch |
| 1:00 – 1:40 | PJM FERC Order 881 Implementation <ul style="list-style-type: none">• David Hislop, <i>PJM</i> |

- 1:40 – 2:20** RC West FERC Order 881 Implementation
- Raja Thappetaobula, *CAISO/RC West*
- 2:20 – 3:00** AI in Future Grid Control Room
- Xing Wang, *Amazon AWS*
- 3:00 – 3:30** Break/Networking
- 3:30 – 4:10** AI/ML Use Cases in MISO
- Amir Quadro, *MISO*
- 4:10 – 4:50** Potential of Large Language Models (LLMs) for Grid Data Analysis
- Shrirang Abhyankar, *PNNL*
- 4:50 – 5:00** Session Summary
- Rob Adams, *Chair of NERC EMS Working Group*

Wednesday, October 9, 2024

- 7:30 – 8:30** Breakfast
- 8:30 – 9:10** ERCOT EMS Upgrade and Lessons Learned
- Sunil Mukkollu and Shireesha Methuku, *ERCOT*
- 9:10 – 9:50** Trustworthy AI in the Control Room
- Seong Choi and Rishabh Jain, *NREL*
- 9:50 – 10:30** Busier Guardian Angels: Control Room Complexity, Complicatedness, and Stress
- Mike Legatt, *Resilient Grid*
- 10:30 – 10:45** Break/Networking
- 10:45 – 11:50** Vendor Discussion Panel
- Dwayne Fewless, *Reliability First – Moderator*
- 11:50 – 12:00** Session Summary Wrap-up
- Rob Adams, *Chair of NERC EMS Working Group*

(Boxed lunches will be provided at the end of the conference)