



## WORKSHOP ON BIG DATA ANALYTICS FOR SMART GRIDS

Sponsored by the NSF Smart Grid Big Data SPOKE Grant

### Online Via Zoom

Texas A&M University

College Station, Texas

**Date TBD**

### Date TBD: (ALL TIMES ARE IN CDT)

9:45pm Online Session Set-Up

10:00-10:05 **Opening and Welcome:** Dr. Mark Barteau, VP for Research, Texas A&M University

10:05-10:45 **Session I:** NSF SPOKE Grant summary reports

Chair: PR Kumar, Texas A&M University

- Mladen Kezunovic, Texas A&M Report
- Santiago Grijalva, GaTech Report
- Zoran Obradovic, Temple University Report

10:45-11:45 **Session II:** Smart Grid Big Data Analytics

Chair: Nick Duffield, Texas A&M University

- Beth Plale, NSF (TBC)
- DOE (TBD)
- Le Xie, IEEE
- Doug Dorr, EPRI

11:45-12:00 Break

12:00-1:00 **Session III:** Vendor Solutions for Big Data Analytics

Chair: Dilma Da Silva, Texas A&M University

- Ajay Madwesh, Deloitte
- Tom Anderson, SAS
- Igor Alvarado, National Instruments
- Claude Godin, DNV GL

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10:00-11:00 **Session IV:** Big Data Analytics in Utility Applications

Chair: Tom Bialek, San Diego Gas and Electric

- Rolando Vega-Avila, CPS Energy
- Yannan Sun, Oncor
- Ratanak Heng, Exelon
- Gina Weber, Utility Analytics Institute

11:00-12:15 **Keynote:** Mahesh Sudhakaran, Chief Digital Officer, IBM Energy and Utility Business

12:15-12:30 Break

12:30-1:30 **Session V:** Big Data Analytics in Synchrophasor Applications

Chair: Jeff Dagle, NASPI and PNNL

- Philip Hart, GE
- Jianhui Wang, Southern Methodist University
- Sean Murphy, Ping Things
- Mladen Kezunovic, Texas A&M University

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10:00-11:00 **Session VI:** Big Data Analytics-Federal Labs View

Chair: Santiago Grijalva, GaTech

- Yingchen Zhang, National Renewable Energy laboratory
- Eliot Crowe, Lawrence Berkeley National Lab
- Matt Reno, Sandia National Lab
- Brenda Ng, Lawrence Livermore National Lab

11:00 -12:00 **Session VII:** Future Research in Smart Grid Big Data Analytics

Chair: Kevin Ding, CenterPoint Energy

- Anna Scaglione, Arizona State university
- Di Shi, GEIRINA
- Tao Hong, UNC Charlotte
- Yu Ding, Texas A&M University

12:00-12:15 Closing remarks: Mladen Kezunovic, Texas A&M University

## Sponsorship

National Science Foundation



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Texas A&M Data Institute of Data Science



Department of Electrical and Computer Science



TEES Smart Grid Center

