Program

7:30  Registration, Light Breakfast, Coffee and Tea available (Room 2400)

8:00  Welcome: J. Martin Scholtz, Executive Associate Vice President for Research, Texas A&M University

8:10  Workshop Goals and Objectives: Mladen Kezunovic, Texas A&M University, PI, NSF Smart Grids Big Data (SGBD) Spoke Grant, Bio >  Slides >

8:30  Invited Talk: “The Center of Excellence on Data Analytics”, Mark A. Smith, EPRI, Bio >  Slides >

9:00  Panel 1: “Data Analytics” Bios of Panelists >  Notes >
Chair: Zoran Obradovic, Temple University, Co-PI, NSF SGBD Spoke Grant  Slides >
Co-Chair and Moderator: P.R. Kumar, Texas A&M University, Co-PI, NSF SGBD Spoke Grant
Panelists:
Vijay Gadepally, MIT
Xiaohua Tony Hu, Drexel University
John McDonald, GE

9:50  Break (Room 2400) and Posters (Room 2401)

10:10 Panel 2: “Synchrophasor Data”  Bios of Panelists >  Notes >
Chair: Tom Overbye, Texas A&M University  Slides >
Co-Chair and Moderator: Bill Blevins, ERCOT
Panelists:
Vikram Buddhraja, Electric Power Group
Jeffery Dagle, PNNL  Slides >
David Schooley, ComEd

11:00 Focus Group Sessions:
“Geo-spatial Representation of Data and Grid Models”  Bios of Chair & Co-Chair >  Slides >
Rm 2400
Chair: Brian Baldwin, Esri
Co-Chair: Daniel Goldberg, Texas A&M University

“Policies towards Sharing Smart Grid Data, Workflows and Services”  Bios of Chair & Co-Chair >  Slides >
Rm 2404
Chair: Arcot Rajasekar, University of North Carolina at Chapel Hill
Co-Chair: Yingchen Zhang, NREL
11:50 Lunch (Room 2406) and Posters (Room 2401)

Welcome: Dimitris Lagoudas, TEES Deputy Director and Senior Associate Dean for Research

Keynote Speaker: H.E. Eng. Essa Bin Hilal Al-Kuwari, President, Qatar General Electricity & Water Corporation (KAHRAMAA), Qatar, Bio > Slides >

13:15 Focus Group Sessions

“Data Processing and Management” Bios of Chair & Co-Chair > “Meteorological Forecast and Weather Hazards” Bios of Chair & Co-Chair > Presentation Slides > Notes > Report out Slides

Rm 2400
Chair: Ilkay Altintas, UC San Diego Supercomputer Center
Co-Chair: Arcot Rajasekar, University of North Carolina at Chapel Hill

Rm 2404
Chair: Keith Brewster, Oklahoma University
Co-Chair: Ryan Said, Vaisala (In absentia)

14:05 Plenary Session: Report-out by Focus Groups (Room 2400)

14:45 Break (Room 2400) and Posters (Room 2401)

15:05 Panel 3: “Smart Meter Data” Bios of Panelists >
Chair: Santiago Grijalva, Georgia Institute of Technology, Co-PI, NSF SGBD Spoke Grant Slides >
Co-Chair and Moderator: Soorya Kuloor, Landis+Gyr
Panelists:
Garry Hayes, CenterPoint Energy
Ed Beroset, Electric Power Research Institute
Norayr Matevosyan, ComEd

15:55 Panel 4: “Education” Bios of Panelists > Notes >
Chair: Dilma Da Silva / Le Xie, Texas A&M University, Co-PIs, NSF SGBD Spoke Grant
Co-Chair and Moderator: Srinivasan Parthasarathy, Ohio State University
Panelists:
Yu Ding, Texas A&M University
Tao Hong, University of North Carolina-Charlotte
Chris DeMarco, University of Wisconsin

16:45 Announcement of Student Poster Winners

16:55 Closing Remarks and Action Items: Mladen Kezunovic, Texas A&M University

17:00 Post-Workshop Reception and Posters (Room 2401)

18:30 Adjourn

Posters (Room 2401)

Focus Group: “Geo-spatial Representation of Data and Grid Models”

<table>
<thead>
<tr>
<th>Authors</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Idehen, I., T. Overbye</td>
<td>Wide-area Information of Processed PMU Data for Oscillation Mode and Data Error Analysis</td>
</tr>
</tbody>
</table>
Focus Group: “Policies towards Sharing Smart Grid Data, Workflows and Services”

2. Wang, Y. P., G. Gu | False Data Injection Attacks in the Smart Grid

Focus Group: “Data Processing and Management”


6. Ming, H. P., L. Xie, M. Campi, S. Garatti, P. R. Kumar | Scenario-based Economic Dispatch with Uncertain Demand Response


11. Qian, C. P., C. M. Kezunovic | A Power Waveform Classification Method for Adaptive Synchronphasor Estimation

12. Sehoff, D. P., C. A. Manur, G. Venkataramanan | A Programmable Platform for Local Data Acquisition and Processing in Microgrids


15. Trabelsi, M. P., A. Mohamed, S. Refaat | The Impact of Electric Vehicles Integration into Smart Grid using Big Data Platform

16. Wang, P. P., C. | Cyber Attack Resilient System Integrity Protection Schemes based on Data-driven Techniques

17. Xu, H. P., Dominguez-Garcia, P. Sauer | A Data-driven Voltage Control Framework for Power Distribution Systems

18. Yan, Q. P., C. M. Kezunovic | Optimal Management of an Integrated Electric Vehicle Charging Station


Focus Group: “Meteorological Forecast and Weather Hazards”


21. Modarresi, M. S. P., C. L. Xie | Coordinated Water and Power Planning

Legend: P – Presenter; C – Competitor
Thanks to Our Workshop Sponsors!

Project Funding Agency: National Science Foundation (NSF)

Gold-Level Workshop Sponsors: