

**Draft minutes for 2016 IEEE PESGM Big Data Analytics (BDA) Subcommittee Meeting  
July 20, 2016  
9 - 11 am  
Boston, MA**

**BDA Subcommittee Attendee List (July 20, 2016)**

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## 1. Introduction

Le Xie introduced the subcommittee and reviewed the meeting agenda.

## 2. Approval of minutes from the 2015 meeting

Mladen Kezunovic moved, Edwin Liu seconded. Members voted in favor of approving the 2015 meeting minutes.

## 3. Announcements / Summary

- Le Xie informed members that the Big Data Analytics (BDA) Working Group (WG) is now officially approved as a subcommittee under PSACE committee.
- The BDA WG was first proposed at 2012 PES GM, and had its first panel session at 2013 PES GM, and gradually grew over the years. There were extensive discussions around the scope and focus of the new BDA subcommittee, and how task force may be organized. The discussions have ranged from methodology, platform, education and training, to data applications.
- Several members brought up the importance of engaging more utility members and industry members.
- Panel session chairs provided updates on the BDA sponsored panels at 2016 PES GM:
  - Reza Arghandeh provided updates on the “Big Data on Power Distribution Networks” panel. The panel session engaged DOE, utilities, and research institutions, and focused on big data application for distribution system. The session had very good attendance of over 150 people, and hence the room is packed.
  - Haiwang Zhong provided updates on the “Big Data on Demand Response” panel. The session had good attendance of around 80 people, and extensive discussions on the use of big data for demand response.

## 4. Subcommittee sponsored activities for the 2017 GM (Chicago, IL Sun, July 16 – Thurs, July 20 2017)

Super sessions were panned way ahead of time, the subcommittee will try for 2018 GM super session.

The following panels are proposed for 2017 PES GM:

- Big Data Access and Big Data Research Integration in Power Systems
  - Session Chair: Hamed Mohsenian-Rad
- Big Data Analytics for Electricity Markets
  - Session Chairs: Ran Li, Furong Li
- Big Data for Integrated Energy Systems
  - Session Chairs: Goran Strbac, Zhaohong Bie
- Big Data in Power Systems: Transmission, Distribution, and Data Analytic Applications,
  - Session Chairs: Mladen Kezunovic, Nanpeng Yu

## 5. Interaction with PES and Other Data Science Communities

- IEEE Big Data Initiative, Yingchen Zhang will serve as the liaison
- Special issue on Big Data Analytics for Grid Modernization
- Transactions on Big Data Analytics
- Special topic course “Data Science for Modern Power System” at Texas A&M University
- Big Data course from Stanford
- Webinar on Big Data given through PSERC
- NSF Big Data Spoke
- EPRI utility data course

## 6. Future Activities

The following WG and TF have been proposed:

- WG: Data Access
  - Chair: Ning Zhou, Co-Chair: Hamed Mohsenain-Rad
- TF1: Big Data Applications in Power Distribution Systems
  - Chair: Reza Arghandeh, Vice Chair: Ram Rajagopal, Secretary: Nanpeng Yu
- TF2: Big Data Webinar Series
  - Chair: Bo Yang, Co-Chair: Yang Weng

The BDA core team consists of Chair, Vice Chair, TF leaderships, and IEEE Big Data liaison. The core team will meet bi-monthly or quarterly for subcommittee activities.