

**Draft minutes for 2017 IEEE PESGM Big Data Analytics (BDA) Subcommittee Meeting
July 18, 2017
Chicago, IL**

1. Introduction

Le Xie introduced the subcommittee and reviewed the meeting agenda

2. Approval of minutes from the 2017 meeting

Christopher Demarco moved, Jun Wen seconded. Members voted in favor of approving the 2017 meeting minutes

3. Announcements/summary

- Le Xie
- Panel session chairs provided updates on the BDA sponsored panels at 2017 PES GM:
 - Big data access and big data research integration in power system (Hamed Hohsenian-Rad)
 - 81 people attended the panel. A bigger room is needed next time
 - Overall discussion is about how to facilitate the data access that is useful for research
 - Big data analytics for integrated energy systems (Bie Zhaohong)
 - 7 panlests from 5 countries, 2 from industry, 5 from university
 - About 60 people attended the panel
 - Big data analytics for electricity markets and big data in power systems: transmission, distribution, and data analytic applications are after the subcommittee meetings
- Working group/TF meeting updates
 - Data Access WG
 - Discuss the panel for PES GM 2018
 - Discuss the new initiative, including a new website
 - Big Data Webinar TF
 - 35 people attend the meeting.
 - Will have webinar monthly, with problem driven approach, i.e.: identify the problem first and then invite speakers
 - Big Data Application in Distribution System TF
 - Prepare the bi-law and recruit more members
 - About 30 people attended the meeting and identify the key problems
 - Action item includes: 1) put together the white paper, 2) Propose 2 panel session for 2018 PES GM, 3) Have panel session in IEEE T&D, 4) coordinate 2 panel sessions in Distribution Tech
- IEEE Utility Big Data Workshop
 - On September 18, 2017 in San Antonio
 - <https://2017isap.tamu.edu/ieee-utility-big-data-workshop/>
 - Discuss the workshop agenda

- Le Xie ask the input from the audience regarding the workshop on UCLA (big data application for utility engineer)
- Hung-Ming Chou (Dominion Energy) gave a short self-introduction and was elected as the secretary for the subcommittee

4. Subcommittee sponsored activities for the 2018 GM

The following is proposed for 2018 PES GM:

- Super session: Data science and data quality as applied to power system
 - Session chair: Le Xie, Nanpeng Yu
- Panel session: Big data analytics for emerging power sensors and internet-of-things
 - Session chair: Hamed Mohsenian-Rad, Emma Stewart
- Panel session: Big data analytics focus on end-use customers in power distribution systems
 - Session chair: Nanpeng Yu, Haiwang Zhong
- Panel session: Big data analytics for flexible electricity networks, markets and prosumers
 - Session chair: Ran Li, Tao Hong
- Panel session: Best practices in sharing big data in power systems
 - Session chair: Ning Zhou, Hamed Mohsenian-Rad
- Panel session: Smart meters: from consumer behavior to planning
 - Session chair: Ram Rajagopal
- Panel session: High performance computing and big data analytics for large scale power system planning problems
 - Session chair: Dimitri Papageorgiou, Yingzhong Gu

5. Future activities

- Currently the BDA core team consists of Chair, Secretary, TF leaderships, and IEEE Big Data liaison, the core team will meet bi-weekly or quarterly for subcommittee activities.
- Big Data Workshop in August 2018 at WSU
- IEEE Utility Big Data Workshop in September, 2018