

Draft minutes for 2019 IEEE PESGM Big Data Analytics (BDA) Subcommittee Meeting
August 13, 2019
Atlanta, GA

1. Introduction

Le Xie introduced the subcommittee and reviewed the meeting agenda

2. Approval of minutes from the 2018 meeting

Hamed Mohsenian-Rad moved, Nanpeng Yu seconded. Members voted in favor of approving the 2018 meeting minutes

3. Announcements/summary

- Papers statistics: total paper submitted: 40, accepted: 20. Transaction paper: 4. Thanks for all the reviewers for their help.
- Activities from last year
 - Organize annual workshop on big data analytics in smart grid community
- Subcommittee website is established and is linked with AMPS (<http://sites.ieee.org/pes-bdaps/>)
- Report from WG/TF
 - Big data application in power distribution system TF
 - Organize workshop, tutorial
 - Work on 2nd edition of the “Big Data Application in Power System”
 - Contribute to education of engineers by delivering 1-day short course
 - Develop a new graduate level course entitled Machine Learning and Big Data Analytics in Smart Grid
 - Big data webinar series TF
 - Moved from the industrial topic to the academic topic this year
 - Invite, organized and coordinated 7 talks
 - Build a website and allow people to subscribe the webinar announcement
 - Plan for expanding the website into an interactive learning site
 - <https://www.public.asu.edu/~yweng2/Tutorial5/>
 - Data access WG
 - Complete and launched the website <https://bigdata.seas.gwu.edu>
 - Holding a tutorial on big data analytics at IEEE SGSM
 - Organize the special issue at IEEE Transactions on Smart Grid on Distribution synchrophasors
- Panel session chairs provided updates on the BDA sponsored panels at 2019 PES GM:
 - **Panel session: Big data analytics for power system economy, reliability and security** (Session chair: Wei Hu, Nanpeng Yu) [40 people]
 - **Panel session: Frontiers of big data analytics in the operation and maintenance of power distribution systems** (Session chair: Zhouyang Ren, Yunhe Hou) [80-90 people]
 - **Panel session: Data analytic tools for dynamic security assessment of bulk power systems** (Session chair: Rafael Segundo, Emilio Barocio) [60-70 people]

4. Proposed 2020 GM panel session

- It is highly encouraged to contact with other subcommittee for panel slot
- Please submit the panel proposal to subcommittee. Subcommittee will ask members to vote to rank the proposals
- Panel for T&D conference deadline is on August 15th
- Dr. Kezunovic proposed synchornphasor big data analytics for T&D
- Derek Kou made the presentation on solar data analytics
- Steven propose big data analytics for operation for T&D
- Asset management for GM
- Integration of data

5. New Initiative

- We are relatively young subcommittee. We want a thoughtful growth and try to attract talent. The key is to be able to substantiate the efforts.
- It is important to differentiate proposed TF/WG from other TF/WG
- Please submit the TF proposal, describing the concrete scope, deliverable, and outcome
- Big data application in power distribution system TF will be converted to WG with bigger scope. Nanpen will circulate the proposal of WG
- Song Zhang and Xiaochuan Luo present proposed TF on application of cloud computing in power system
- Di Shi present proposed TF on Internet of Things for Electric power systems
- Jie Zhang and Yingchen Zhang proposed TF on Predictive Analytics: Power, Meteorology, and Climate

6. Future activities

- Currently the BDA core team consists of Chair, Vice-chair, Secretary, TF leaderships, and IEEE Big Data liaison, the core team will met bi-weekly or quarterly for subcommittee activities.
- Will host annual workshop on the big data analytics for smart grid community. We will need volunteer