

**Draft minutes for 2021 IEEE PESGM Big Data Analytics (BDA) Subcommittee Meeting
July 19, 2021
Virtual**

1. Introduction

Le Xie introduced the subcommittee and reviewed the meeting agenda

2. Approval of minutes from the 2020 meeting

Yannan Sun moved, Yang Weng seconded. Members voted in favor of approving the 2020 meeting minutes

3. Announcements/summary

- Subcommittee website is established and linked with AMPS website
- Officer transition: Yannan Sun serves as chair, while Hung-Ming Chou serves as TCPC/vice chair
- TCPC announcement
 - Next year GM is in Denver, CO, in person
 - Deadline for the tutorial proposal is on Aug 6
 - Send the panel proposal to Hung-Ming
- Papers statistics: total paper submitted: 15, accepted: 7. Thanks for all the reviewers for their help.
- NSF Program manager provided update
- Activities from last year
 - Organize annual workshop on grid resiliency, more than 600 participants
 - Videos/presentations are available on IEEE Smart Grid Resource Center
- Report from WG/TF
 - Big data application in power distribution system TF
 - Big data webinar series TF
 - Application of big data analytic on transmission system dynamic security assessment
 - Cloud computing for power grid operation, planning, monitoring and control TF
- Panel session chairs provided updates on the BDA sponsored panels at 2021 PES GM:
 - **Big data analysis of synchrophasor data: experience from the US (Academic Track) LIVE**
(Session chair: Nanpeng Yu)
 - **Big data analysis of synchrophasor data: experience from the US (Industry Track) LIVE**
(Session chair: Nanpeng Yu)
 - **Physics-informed machine learning for power system LIVE**
(Session chair: Hao Zhu)
 - **Security and reliability leverage cloud computing for grid operation, planning, control & IoT LIVE**
(Session chair: Song Zhang)
 - **Distribution system operations in the age of big data**
(Session chair: Anamika Dubey, Nanpeng Yu)
 - **Advanced data analytics for probabilistic security assessment**
(Session chair: Yanli Liu)

- **Artificial intelligence to cope extreme natural events in power system**
(Session chair: Reza Arghandeh)

4. Proposed 2022 GM panel session

- It is highly encouraged to contact with other subcommittees for panel slot
- Please submit the panel proposal to subcommittee. Subcommittee will ask members to vote to rank the proposals
- Panel proposal presentation
 - Ming Dong
 - Nanpeng
 - Lina He
 - Kevin Chen

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

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 meet bi-weekly or quarterly for subcommittee activities.
- Will host annual workshop on the big data analytics for smart grid community. We will need volunteer