



Task Force on Application of Big Data Analytic on Transmission System Dynamic Security Assessment

Officers

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Subcommittee on Big Data & Analytics for Power Systems

Summary of Activities in last year

- **4 Task Force Virtual Meetings and 1 in presence meeting**
 - Oct 2021, Dec 2021, Feb 2022, May 2022 (Virtual Meetings)
 - July 18th, 2022 (during IEEE PES GM)
- **Sep 6th, 2021 International Workshop DynPOWER**
 - Virtual Event with 9 speakers and 450 registrations.
- **May 24th, 2022, Hybrid Panel Session**
 - *“Utilization of transmission system data for enhancement and preservation of its secure operation”*
 - 2 hours event during IEEE SGSMA 2022 Conference, in Split, Croatia with 5 international speakers.
- **July 2022, Publication of the first technical report in the PES Resource Center (PES-TR100)**
 - *“Present situation on data acquisition, handling, and analytics of operators of the transmission system in different countries and their future needs to cope with the continuous growth of data”*
 - Survey of 11 TSOs from 9 countries

Upcoming Activities

- **July 21th, 2022, Panel Session (8:00- 10:00 AM, Plaza Court 3)**
 - *“Data collection and future needs to account for the continuous growth of sensing data in control rooms”*
 - 2 hours event within the IEEE PES GM with 6 international speakers.
- **Sep 19th, 2022 International Workshop DynPOWER (free of charge)**
 - Hybrid event with 8 international speakers, registration and program to follow in official website: [link to DynPOWER 2022](#)
- **Second technical report**
 - *“Application of data-driven, and machine learning algorithms for the secure operation of transmission systems”*
 - Contribution of 13 research groups, to be published before the end 2022
- **Last Task Force Virtual Meetings of 2022**
 - October 27th, 2022

Thank you for your attention

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