

Minutes of 2016 Intelligent Systems Subcommittee (ISS) Meeting

Date and Time: Tuesday, July 19, 2017, 8:00 am to 10:00 am (EST)

Location: Sheraton Boston Hotel, Room Liberty A

Chair: Zita Vale, Polytechnic of Porto, Porto, Portugal

Vice-Chair: Sukumar Mishra, Indian Institute of Technology, Delhi, India

I. Agenda

1. Welcome and introduction of attendees
2. Approval of the minutes of the 2015 ISS Denver meeting
3. Announcements for IEEE PES GM 2016: Panels, Paper Sessions and Paper Forums
4. Working Group and Task Force Activities
 - 4.1 Working Group on Intelligent Control Systems: Ganesh Kumar Venayagamoorthy
 - 4.1.1 Task Force Micro-Grid Control System: Jignesh Solanki
 - 4.2 Working Group on Intelligent Data Mining and Analysis: Zita Vale
 - 4.3 Working Group on Modern Heuristic Optimization: Kwang Lee
 - 4.3.1 Task Force on Modern Heuristic Test Beds: José Rueda
 - 4.4 Working Group on Multi-Agent Systems: Koen Kok
 - 4.5 Task Force on Open Data Set: Zita Vale
 - 4.6 Review of WG and Task Force activities
5. Panels and Paper sessions for GM 2017 and other meetings
6. Tutorials
7. Roadmap and activities planning
8. ISS website
9. Other business
10. Next meeting and adjournment

II. Report and Discussion

1. The minutes at PES GM2015 was approved and 26 people attend this ISS meeting.
2. ISS sponsored the following panels at PES GM 2016 in Boston:
 - Panel on Modern Heuristic Optimization Techniques for Optimal Planning of Sustainable Transmission and Distribution Systems
 - Panel on Intelligent smart grid management using smart metering and PMU data

- Panel on Big Data Era in Power Distribution Networks
 - Panel on Intelligent Demand Response Management and Control
 - Panel on Big Data Empirical Assessment of Demand Response
3. WGs and TFs proposed the following panel at PES GM2017 in Chicago:
- WG on Intelligent Control Systems: Panel on Intelligent Systems for Voltage Control in Smart Grids
 - TF Micro-Grid Control System: Panel on Intelligent Control Systems for Micro-grids
 - WG on Intelligent Data Mining and Analysis: Panel on Smart Grid Monitoring and Control
 - WG on Modern Heuristic Optimization: Panel on Modern Heuristic Optimization Techniques for Renewable Energy Sources Integration with Energy Storage Devices: Operation and Uncertainty
 - TF on Modern Heuristic Test Beds: Panel on Evaluating the Performance of Modern Heuristic Optimizers on Smart Grid Operation Problem
 - WG on Multi-Agent Systems: Panel on Multi-agent Field Deployment Platforms
4. Tutorials: WG on Modern Heuristic Optimization proposed Tutorial on Multi-objective Metaheuristics with Applications to Power Systems for PES GM 2017 in Chicago.
5. The Web site of ISS has been available at the following:
<http://sites.ieee.org/pes-iss/>
6. Zita Vale reported the first meeting on Task Force on Open Data Set, where the valuable comments were obtained from industrial people of attendees. We can download Open Data Set from
[http://sites.ieee.org/pes-iss/ data-sets/](http://sites.ieee.org/pes-iss/data-sets/)
- III. Other business
- IFAC World Congress will be held in Toulouse, France from July 9 to 14, 2017.
 - ISAP2017 will be held in San Antonio, TX from September 17 to 21, 2017.
- IV. Next meeting and adjournment
- The next meeting will be held in Chicago on July 18, 2017.