

**Working Group on Intelligent Data Mining and Analysis (IDMA)  
Intelligent Systems Subcommittee**

**2016 IEEE PES General Meeting**  
**Monday, July 18, 2016, 12:00 PM-1:00 PM**  
**Sheraton Boston Hotel,**  
**Boston, USA**  
**Room: Beacon E**

Chair: Zita Vale, Polytechnic of Porto

The meeting started at 12:00 PM with the following **Agenda:**

- 1 – Welcome and introduction of attendees
- 2 – Approval of the minutes of the 2015 IDMA Working Group Denver meeting
- 3 – Publications and panel session organization
- 4 – Other WG activities
- 5 – Working group website
- 6 – Adjournment.

- 1 – Welcome and introduction of attendees

The Chair welcomed everyone present in the meeting and each attendee introduced him/herself. The attendance list is in annex; 28 people attended the meeting, fully or partially; their signatures, affiliation and email contacts are registered in the attendance list.

- 2 – Approval of the minutes of the IDMA Working Group meeting at IEEE PES GM 2015 in Denver

The minutes were approved unanimously.

- 3 – Publications and panel session organization

The working group is launching an edited book on its topics. The working group members have been invited to send their contributions to the table of contents till the end of December 2016 so that a call for sections is published during 2017.

The panel “Intelligent smart grid management using smart metering and PMU data” proposed to the IEEE PES GM 2016 will take place on Wednesday, July 20, 2016, from 01:00 PM to 05:00 PM in HC meeting room 200 at Sheraton Boston Hotel.

The organization of panels in future conferences has been discussed, considering the decisions taken in previous meetings and the currently most relevant topics. It was decided to propose a joint panel with the PES Smart Buildings, Loads and Customer Systems Technical Committee, and a IDMA panel on Smart grid monitoring and control, to be held in the scope of IEEE PES GM 2017. José Rueda proposed a panel for

IEEE ISGT Latin-America 2017 regarding Data Mining for knowledge discovery in smart energy management systems.

Several participants suggested to organize similar panels in conferences in which they usually participate (e.g. ASME, IEEE PES T&D, IEEE ISGT) and others in the area.

Other panel sessions concerning the following topics:

- Consumption data, intelligent energy management in buildings
- Data quality, integration, and standards in smart grids
- Smart metering and big data
- Cibersecurity, privacy, and big data in smart grids

will be considered for coming years IEEE GM and for other IEEE conferences, namely IEEE PES T&D, IEEE ISGT and others in the area.

#### 4 – Other WG activities

As planned, the new task force on Open data sets is having its meeting this year in the afternoon of Monday, July 18, from 3:00PM to 4:00PM, in room SB Berkeley.

Activities concerning use cases and data sets for data mining applications in power and energy systems which have been launched and managed by IDMA working group will be continued in the scope of the new TF.

The working group members are invited to contribute to the Open data sets TF with new inputs to the data sets published in the subcommittee web site (<http://sites.ieee.org/pes-iss/data-sets/>).

Madeleine Gibescu suggested to check the EPRI Distribution Modernization Demonstration (DMD) Data Mining Initiative (<http://smartgrid.epri.com/DMD-DMI.aspx> ). Later the WG can contact EPRI for collaborative actions on this topic.

#### 5 – Working group website

Working group members are encouraged to contribute to the material published in the working group webpage by sending suggestions of relevant information to be included (please email them to [zav@isep.ipp.pt](mailto:zav@isep.ipp.pt) or to [email.zitavale@gmail.com](mailto:email.zitavale@gmail.com)).

Some topics to be considered:

- include a link to the working group webpage in the working group members personal and/or institutional webpages
- include in the working group webpage new material such as: call for papers, dates for relevant meetings and panel advertisement.

#### 6 – Adjournment

The meeting was adjourned at 01:00 PM.

Respectfully submitted,

Zita Vale

### **ANNEX I: Meeting attendants signatures and contacts**