DREAM-GO

www.dream-go.ipp.pt

(2019 DREAM-GO workshop)

GECAD - Engineering Institute – Polytechnic of Porto, Portugal

Demand response approaches for real-time renewable energy integration

ISEP, Building E, Sala de atos

JAN 16

09:30 - 10:00 Welcome and registration

10:00 - 10:10 Opening Session

Zita Vale, Polytechnic of Porto
José Carlos Oliveira, Polytechnic of Porto

10:10 - 11:45 DREAM-GO Enabling demand response for short and real-time efficient and market-based smart grid operation

Chair: Zita Vale, Polytechnic of Porto
- Zita Vale, Polytechnic of Porto
- Nikolaus Starzacher, Discovergy
- Jorge Landeck, VPS
- Smart City mock-up to simulate Demand Response, city sustainability and energy consumption forecasting case studies - Alfonso González-Briones, University of Salamanca

11:45 - 12:00 Coffee Break

12:00 - 13:30 New business models for distributed energy resources: energy transactions, demand response, consumer aggregation

Chair: Zita Vale, Polytechnic of Porto
- Investor Confidence Project - Certified Energy Efficiency, Luis Castanheira, ENERGAIA
- Emergent Business Models enabled by Digital Transformation in Power Companies, Luisa Matos, VPS
- Energia Simples: our vision for Energy Grid Decarbonization and Digitalization, Aleksandra Krivoglazova and Diogo Oliveira, PH Energia
- Using Smart Parking Technology for City Management, José Fonseca, Instituto de Telecomunicações / Microio
- BOSCH – Sensors for Autonomous Vehicles – The road for success, Sandra Costa, Bosch

13:30 - 14:30 Lunch

14:30 - 16:00 Smart grids, energy markets and smart cities 1

Chair: Carlos Ramos, Polytechnic of Porto
- DOMINOES – Business models for demand response in local markets, Zita Vale, Polytechnic of Porto
- Dominoes Project – Local Market Aggregation - A DSO perpective, José Sousa, EDP Distribuiçao
- Demand Response potential for communities, retailers and DSOs: experiences from projects SENSIBLE, BestRES and Dominoes; Gisela Mendes, CNET
- Flexibility in the system operation, Albino Marques, REN
- Digital Power and Energy Systems, Phuong Nguyen, TU/e

16:00 - 16:30 Coffee Break

16:30 - 18:30 Smart grids, energy markets and smart cities 2

Chair: Zita Vale, Polytechnic of Porto
- Society of multi-agent systems for energy management and simulation, Tiago Pinto, Polytechnic of Porto
- Energy Markets with Increasing Levels of Renewable Generation: Traditional and Emerging Designs, Fernando Lopes, LNEG
- ANO Smart City, Pedro Leite, ANO
- Software for cities: Building smarter cities together, Elsa Nunes e Rui Henriques, IRRADIARE
- Solving complex problems with evolutionary swarms, Vladimiro Miranda, INESC-TEC

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MARIE CURIE ACTIONS

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JAN 17

09:15 - 09:30 Welcome and registration

09:30 - 11:00 DREAM-GO Partnerships

Chair: Tiago Pinto, Polytechnic of Porto

- EcoRuralIoT, Pedro Faria, Polytechnic of Porto
- ADAPT: Adaptive decision support for agents negotiations, Tiago Pinto, University of Salamanca
- Power systems real-time simulation, Arturo Baeza, OPAL-RT
- GECAD: A R&D Center for the Intelligent Energy Systems Excellence, Carlos Ramos, Polytechnic of Porto
- COLORS, Pedro Faria, Polytechnic of Porto

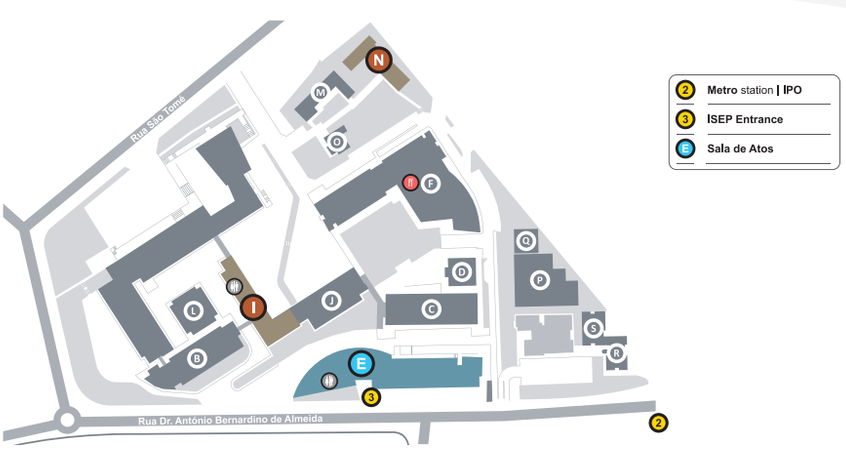
11:00 - 11:45 Coffee Break and DREAM-GO and GECAD demo tour

11:45 - 13:30 Sustainable and intelligent buildings

Chair: Pedro Faria, Polytechnic of Porto

- IPBRICK OS to build secured Building Automation Systems, Raúl Oliveira, IPBRICK
- Flexible contracted power in smart buildings context, Sergio Ramos, Polytechnic of Porto
- Intelligent Buildings using AI approach, Carlos Ramos, Polytechnic of Porto
- Energy Optimization in Households – Lessons Learned from the AnyPLACE project, Leonel Oliveira, INESC-TEC
- Fault-Tolerant Temperature Control Algorithm for IoT Networks in Smart Buildings, Roberto Casado-Vara, University of Salamanca

13:30 Closing



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