

POR PUGLIA FESR-FSE 2014 / 2020 - Fondo Sociale Europeo approvato con Decisione C(2015)5854 del 13/08/2015
Oggetto: POR Puglia 2014/2020 – Asse X – Azione 10.4. **Research for Innovation – REFIN**

Free online workshop: Decision and Control Techniques for Smart Energy Communities

Final workshop of the REFIN Project No. C9A3735B (Investigator: Raffaele Carli)

December 20th 2023 – Virtually on MS Teams

Schedule:

- 09:30 – 09.35 **Mariagrazia Dotoli** – Full Professor, Polytechnic of Bari, Italy – Coordinator of the Italian National PhD Program in Autonomous Systems (DAuSy)
Welcome and Introduction
- 09.35 – 10.00 **Raffaele Carli** – Assistant Professor, Polytechnic of Bari, Italy
Decision and Control Algorithms for Flexible and Efficient Energy Communities: Project Objectives and Results
- 10.00 – 10.25 **Paolo Scarabaggio** – Assistant Professor, Polytechnic of Bari, Italy
Game Theory for Distributed Control of Energy Communities
- 10.25 – 10.50 **Nicola Mignoni** – PhD Student, Polytechnic of Bari, Italy
Integrating Electric Vehicles in the Energy community: a Distributed Non-cooperative MPC Approach
- 10.50 – 11.15 **Juan Martinez-Piauelo** – PhD Student, Universitat Politècnica de Catalunya, Spain
Large-scale Distributed Demand Response via Event-triggered Evolutionary Game Dynamics
- 11.15 – 11.20 break
- 11.20 – 11.45 **Antonio Sacchetti** – Chief Executive Officer, Tera Srl, Italy
Digital Energy Technologies: the Italian Scenario
- 11.45 – 12.10 **Pei Huang** – Senior Lecturer, Dalarna University, Sweden
Beyond Borders: Community-to-Vehicle-to-Community (C2V2C) for Enhanced Energy Sharing at Intra- and Inter-Community Level
- 12.10 – 12.35 **Ross May** – Lecturer, Dalarna University, Sweden
Does a Smart Agent Overcome the Tragedy of the Commons in Residential Prosumer Communities?
- 12.35 – 13.00 **Mauro Atrigna / Amedeo Buonanno** – Researchers, Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA), Italy
Forecasting in Energy Communities: Methodology and Application

Registration:

<http://dasy.poliba.it/phd/free-online-workshop-decision-and-control-techniques-for-smart-energy-communities/>

DAuSy and PoliBa PhD Students will receive 1 ECTS for the attendance