



UNIVERSITÀ DI PISA



IUSS

Scuola Universitaria Superiore Pavia



PhD SEMINAR

**“Renewable Energy Communities: Italian case studies
and EU regulatory framework”**

Thursday 21 September 2023, h 09:30-18:30
Aula Magna Pacinotti, Largo Lucio Lazzarino, Pisa
Registration required: [Link](#)



PROGRAMME

09:30 - 10:00	<p>Welcome and introduction:</p> <ol style="list-style-type: none"> AUTENS project, Giuseppe Anastasi, University of Pisa, Full Professor of Computer Engineering and Rector's Delegate for Digital Transition Local Power Systems research group and RECs, Davide Poli, University of Pisa, Full Professor of Electric Power Systems UNESCO Chair on Renewable Energy Communities, Marco Raugi, University of Pisa, Full Professor of Electrical Engineering and Director of CIRESS
10:00 - 12:00	<p>Session I: EU and Italian regulatory framework (moderated by Maria Gabriella Laratta, University of Pisa, PhD student)</p> <ol style="list-style-type: none"> The evolution of the regulatory framework related to Energy Communities, Gabriella De Maio, University of Naples Federico II and Italian Forum of Energy Communities, Professor of Energy Law Local oppositions and renewable energy projects, Giovanna Pizzanelli, University of Pisa, Associate Professor of Administrative Law Energy Communities as a tool for regeneration in the Italian urban fabric, Giulio Profeta, University of Pisa, PhD student Crowdfunding, participatory finance for the development of energy communities, Chiara Candelise, University Bocconi, Sen. Research Fellow
12:00 - 13:00	Lunch break
13:00 - 15:30	<p>Session II: Italian case studies and challenges (moderated by Tommaso Ferrucci, University of Pisa, PhD student)</p> <ol style="list-style-type: none"> Development of RECs in Central Italy and Central America, Andrea Micangeli, University of Rome La Sapienza, Adjunct Assoc. Professor Series of practical experiences of RECs set up in MV/LV and RECs in primary cabin, Sergio Olivero, Energy Center Torino, Head of Business & Finance Innovation Battery energy storage systems for RECs: opportunities and challenges, Niccolò Nicodemo (Gianluca Simonte / Alessandro Verani), University of Pisa, PhD student of Information Engineering

	<ol style="list-style-type: none"> 4. Energy harvesting enabled by high-efficiency thermoelectric devices, Elisabetta Dimaggio, University of Pisa, Assistant Professor and Researcher at Dept. of Information Engineering 5. Energy Communities impact on the Electric Grid, Marco Merlo, Polytechnic di Milan, Associate Professor of Electric Power Systems
15:30 - 16:00	Coffee Break
16:00 - 18:30	<p>Session III: International projects under H2020 (moderated by Elena Mura, Università di Pisa e IUSS Pavia, PhD Student in Sustainable Development and Climate Change - "Sustainable Energy Communities")</p> <ol style="list-style-type: none"> 1. Energy Communities - from concept to a scalable digital solution. Experiences with the roll-out of an Energy Community platform in Austria, Michael Niederkofler, Head of Innovation Lab act4.energy, Stegersbach, Austria 2. From the optimal sizing and operation of RECs to the fair and stable sharing of revenues, Davide Fioriti, Assistant Professor at University of Pisa and Tommaso Ferrucci, PhD student at University of Pisa 3. Techno-economic optimization of condominium self-consumption systems, Emilio Ghiani, University of Cagliari, Associate Professor of Electric Power Systems 4. The impact of fiscal policies on the benefits of energy sharing in European energy communities, Vladimir Gjorgievski, Assistant Professor at Faculty of Electrical Engineering, and Information Technologies - Skopje 5. Multidisciplinary development of Energy Communities, Ivan Mariuzzo, University di Pisa e IUSS Pavia, PhD Student in Sustainable Development and Climate Change - "Sustainable Energy Communities"
18:30	Conclusions

Registration

There are few seats available for the conference. Please enroll if interested to receive PPT and materials published from the conference:

Link: <https://forms.office.com/r/f5mvKUz9ui>

Abstract

The proposed initiative aims to create and combine synergies in an interdisciplinary perspective among research topics of PhD students with different backgrounds. In the proposal, the doctoral students address the issue of Energy Communities as a key tool for the ecological transition, from a legal, technical, and social point of view. This event will highlight the projects and initiatives carried out by the University of Pisa on these topics, such as "Autens" and the "UNESCO Chair", and will be an excellent vehicle for collaboration between researchers and PhD students at the University of Pisa. At the same time, the contributions of external speakers from various Italian or international universities and research centers will help foster synergies across the many institutions currently working on the multidisciplinary and challenging topic of Energy Communities.

Contacts: tommaso.ferrucci@phd.unipi.it, davide.fioriti@ing.unipi.it, davide.poli@unipi.it