

PED-EU-NET | COST ACTION CA19126

Positive Energy Districts European Network



COST Action CA19126 PED-EU-NET Positive Energy Districts European Network Training School

“Useful tools for characterization and simulation of Positive Energy District (PED)”
3-5 October 2022, Dalarna University, Borlänge, Sweden

Date & Location: Borlänge, Sweden, 3-5 October 2022 (3 days)

Local Host: Dalarna University in Sweden, School of Information and Engineering (<https://www.du.se/en>)

Venue: Borlänge campus of Dalarna University, Röda väg 3, 781 70 Borlänge, Sweden

About this Training School

The training school will acquaint participants with state-of-the-art methods and tools for characterization and simulation of PED. You will learn through lectures, practical classes, group work and discussion workshops how digital technologies facilitate, enhance, and change scholarly practices and

knowledge production. With respect to PEDs. You will become familiar with established and emerging tools for simulation of PEDs and you will get hands-on experience in working on a real case study with selected digital tools for advancing research and practice. Furthermore, you will learn how Sweden is developing PEDs and will reflect upon PED related issues in digital research.

Learning outcomes:

By the end of the training school, participants will:

- understand the benefits and challenges in using different methods and tools for PED simulation
- evaluate and use a variety of appropriate models and methods for data modelling, data mining and text analytics
- identify, select, and use appropriate platforms for sharing research and teaching resources
- use digital tools and methods to extract, analyse, present and interpret information for the production of PED related scholarly knowledge
- recognize the advantages of reproducible research and take advantage of currently available tools for performing and publishing data analyses in a reproducible manner
- critically reflect upon PED related issues of digital research

Practical details:

The duration of this Training School is three working days. Grants will be provided for accepted participants as a contribution to the travelling costs, accommodation (4-days) and subsistence during the Training School. If



participants, for any reason, are unable to attend all three days of the school, the grant will be reduced accordingly. There are no registration fees.

Organised by PED-EU-NET (<https://pedeu.net>)

This COST Action (<https://pedeu.net>) brings together the multidisciplinary work of researchers of engineering, architecture, and related practices in the field of PED knowledge production and use. The aim of the network is to mobilise researchers and other relevant stakeholders across different domains and sectors to drive the deployment of Positive Energy Districts (PEDs) in Europe through open sharing of knowledge, exchange of ideas, pooling of resources, experimentation of new methods and co-creation of novel solutions.

Who should apply:

Researchers at different ranks are eligible to apply to the training school, including graduate and PhD students, postdoctoral researchers, and professionals. Researchers from any branch of engineering, as well as architecture, and other related disciplines are welcome to apply, provided that they have an interest in simulation tools practices and knowledge work in the digital environment.

Eligibility

Those who work/attend an education programme or have citizenship/residency in one of the COST Full Members States, or COST Near Neighbour Countries.

Applicants to the training school should submit:

1. A motivation letter, not exceeding 300-500 words. This must include a clear indication of experience relevant to the topic of the training school; provide a rationale of why you are interested in the training school and how you envisage the training school contributing to your learning and research objectives.
2. A short CV (2 pages max).
3. An indication of whether you would like to be considered for funding.

Please send your application to:

Prof. dr. Maria Beatrice Andreucci, mbeatrice.andreucci@uniroma1.it; and / or dr. Laura Aelenei, laura.aelenei@lneg.pt; dr. Mari Hukkalainen, mari.hukkalainen@vtt.fi

Closing date for applications: 15th July 2022

For questions, please write to:

Prof. dr. Maria Beatrice Andreucci, mbeatrice.andreucci@uniroma1.it; and / or dr. Laura Aelenei, laura.aelenei@lneg.pt; dr. Mari Hukkalainen, mari.hukkalainen@vtt.fi

The applicants will be informed about the result of their application via Email by September 15th at the latest. Applicants that will not receive a grant but do receive an invitation can participate with their own, or their institute's funding.