

2023 Expert Workshop on Design and Operation of Digitalized Sector-Coupled Energy Systems

Overview

The aim of the workshop is to bring together experts from Europe to exchange insights and to create a roadmap on possible trends and research directions for operation, control and digitalization in sector-coupled energy systems and sector integration.

Workshop contributions will be attributed to the following thematic clusters:

- **Cluster 1 – System architecture and operation strategies:** focus on applications and best practices for sector coupling and sector integration both on system-level and on component-level, including pilot sites, energy communities, innovative technologies, markets & regulation, etc.
- **Cluster 2 – Automation and Digitalization Technologies:** focus on digital technologies enabling sector coupling and sector integration, including artificial intelligence, digital twins, IoT and communication, cyber security, simulation, etc.

Registration

Please register [online](#). The number of participants is limited.

Agenda

Thursday, April 20th, 2023

- 11:30 – 12:30 Lunch and registration
- 12:30 – 12:40 **Welcome / Introduction**
- 12:40 – 13:40 **Keynote 1**
Prof. Astrid Nieße (University of Oldenburg, Germany)
- 13:40 – 14:00 Break
- 14:00 – 15:20 **Session 1 – Cluster 1: Presentations & Panel Discussion**
Christian Becker (TU Hamburg)
Alexander Dreher (Fraunhofer IEE)
- 15:20 – 15:45 Break

April 20-21, 2023
Vienna, Austria

**Shape the future of sector
coupling and digitalization of
energy in Europe!**

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15:45 – 17:00 **Session 2 – Cluster 2:** Presentations & Panel Discussion

Milos Cvetkovic (TU Delft)
Qjanwen Xu (KTH)
Kai Strunz (TU Berlin)

17:15 – 18:15 **Discussion & Brainstorming**

20:00 – **Workshop Dinner**

Friday, April 21st, 2023

9:00 – 10:20 **Session 3 – Cluster 1:** Presentations & Panel Discussion

Meysam Qadrdan (Cardiff University)
Moiz Ahmed (DLR EV)
Bastian Pfarrherr (Stromnetz Hamburg)
Vedran Peric (TU München)

10:20 – 10:45 Break

10:45 – 11:45 **Keynote 2**

Michael Niederkofler (act4.energy, Austria)

11:45 – 12:45 Lunch

12:45 – 14:00 **Session 4 – Cluster 2:** Presentations & Panel Discussion

Andreas Ulbig (RWTH Aachen)
Stephan Ferez (University of Oldenburg)
Pooya Davari (Aalborg University)
Gernot Steindl (TU Wien)

14:00 - 14:20 Break

14:20 – 15:30 **Discussion & Brainstorming**

Venue

Climate Lab

Spittelauer Lände 45, Vienna, Austria

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