

Invitation for ACA-MODES Workshop

19th October 2021

Invitation

Dear ACA-MODES project partners,

We hereby invite you to the next ACA-MODES workshop on **November 26, 2021** from **10:00 to 14:00**

The workshop includes six interesting talks on the topics of optimization-based control and dimensioning of hybrid energy systems, and possibilities for networking during a joint lunch break.

For this event, we are also happy to announce two talks by guest speakers with expertise in optimization-based control in an industrial and commercial context. All talks will be presented in English.

The Workshop Program:

Workshop session 1 (10:00-11:30)

- Angelika Altmann-Dieses (ACA-MODES, University of Applied Sciences Karlsruhe, Germany) - Welcome
- Thomas Besselmann (guest speaker, FHNW Muttenz, Switzerland) - Power Meets Computation
- Christian Braasch (ACA-MODES, University of Applied Sciences Koblenz, Germany) - Implementation and Optimization of a MPC for a CCHP system
- Parantapa Sawant (ACA-MODES, University of Applied Sciences Offenburg, Germany) - Experimental Demonstration of Optimal Scheduling of a CHP System with Economic-MPC

Lunch break, networking (11:30-12:30)

Workshop session 2 (12:30-14:00)

- Bratislav Svetozarevic (guest speaker, Urban Energy Systems Lab, Dübendorf, Switzerland) – Deep reinforcement learning for building energy and occupant comfort control: Examples and scaling potential
- Sonja Kallio (ACA-MODES, INSA Straßbourg, France) - Nature-Inspired Intelligence in Multi-Objective Optimization of a Solar Energy System
- Adrian Bürger (ACA-MODES, University of Applied Sciences Karlsruhe, Germany) - Coordinated operation of distributed, MPC-operated energy systems in the ACA-MODES project
- Open discussion

Due to the ongoing situation regarding COVID-19, we are currently planning to have a hybrid meeting with both the possibility to attend the workshop virtually and (for a limited amount of participants) to attend the workshop in-person at Karlsruhe University of Applied Sciences (HKA). **The workshop will be free of charge for all participants.**

If you wish to participate, please register using the following link to the project website until **November 15, 2021.**

<https://aca-modes.insa-strasbourg.fr/event/project-workshop-as-hochschule-karlsruhe-on-26th-of-november/>

NOTE: To persons that register for virtual participation, a Zoom link for the workshop will be sent. To persons that register for in-person participation at HKA, more detailed information about the current hygiene and safety measures for the workshop will be provided via email. In particular, the "3G-rule" applies for the event, so in order to participate in-person you have to be either vaccinated or recovered, or you need to provide a negative test which must not be older than 24 hours and must have been conducted by an authorized testing station. In either case, we will need to check the corresponding documents at your arrival at HKA, and we will need to collect your contact information. If you have any questions in this regard, please feel free to contact us.

Also, please understand that the frame conditions for the workshop might be subject to changes according to the development of the pandemic situation and/or regulatory conditions in the upcoming weeks. In case we cannot have an in-person event at HKA, we will fall back to a fully virtual event and provide the possibility for a virtual networking session.

We would be happy to welcome you to our workshop! In case of questions, please feel free to contact us.

Best regards, on behalf of the ACA-MODES project team,
Adrian Bürger

