

Centre for IT-Intelligent Energy Systems in Cities

CITIES Fourth General Consortium Meeting 30th – 31st May 2017 at
Danish Technological Institute, Kongsvang allé 29, Aarhus, Denmark

CITIES is happy to present the program for the fourth General Consortium Meeting. In this pamphlet you will find the program and practicalities regarding registration, venue, transportation, and hotel opportunities.

Registration

Registration using this link no later than 23rd of May:

<https://goo.gl/forms/TbusIKwueMQHplyw1>

Venue

Danish Technological Institute, Kongsvang allé 29, konferencesalen 5th floor (in the main building), 8000 Aarhus C, Denmark.

Directions

Kongsvang Allé 29 is only 1 km from Aarhus Central station. The nearest airports are Karup and Billund. Both are a drive of 90km. There is an airport bus from Billund to Aarhus C. You can also take a train from Copenhagen Central station to Aarhus (app 3 hours) which leaves every hour.

Hotel

Here is a list of hotels close to TI:

www.bbhotels.dk/en/hotel-aarhus/
www.zleephotels.com/en/zleep-hot-el-aarhus
www.hoteloasia.com/
www.scandichotels.com/hotels/denmark/aarhus
www.themayor.dk/en-gb/

All hotels in Aarhus:

www.visitaarhus.com/In-int/denmark/hotels-and-inns-in-aarhus

Bus timetable and general travel information can be found at www.rejseplanen.dk/.

There will be a self-financed GCM dinner the 30th at - venue will be close to Den Gamle By Aarhus. Expected price range: 3-400 DKK.

Contact

If you have any questions please contact:

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Day one: Tuesday, May 30

Block 1: Welcome and Introduction

11:00 Registration and poster session

12:00 Lunch and Poster session

13:00 Welcome to TI; *Frank Elefsen*, Danish Technological Institute

13:05 Programme; *Alfred Heller*, DTU Civil Engineering

13:15 Status and how to collaborate on demo- and innovation projects; *Henrik Madsen*, DTU Compute

13:35 CITIES Innovation Center, Isabel H. Sørensen

14:00 *Block 2: Session on selected CITIES results*

14:00 Alexander Martin Tureczek: Classification of electricity consumption using smart meter data. (Demo project with SE, Dansk Energi and DTU)

14:20 Allan Schrøder Pedersen: Energy Supply Modelling

14:35 Carsten Rode: Energy flexible buildings

14:50 **Coffee break (20 min)**

15:10 Pierre Pinson: Markets for integrated energy systems: loose coupling, business models and consumer-centric proposals

15:25 John Bagterp Jørgensen: Forecasting and predictive control technology for smart energy systems

15:40 Henrik Lund: Smart Energy Systems of Cities - going towards 100pct Renewable Energy

16:00 Daniela Guericke: Decision-making under uncertainty for energy companies in smart cities.

16:20 Anne Marie Damgaard (Climate KIC): Smart Cities Accelerator - Instruments for smart cities

16:40 **Keynote: Godfried Augenbroe (Georgia Institute of Technology): A US perspective on energy flexibility: demand charge reduction by commercial building owners**

17:20 **Panel discussion: Moderator Gerhard Zucker (AIT) Demo and Innovation Projects**

17:50 End of day one

19:30 Dinner: Hobrohuset in *Den Gamle By* www.dengambleby.dk (just ask for Hobrohuset at the entrance of Den Gamle By, please bring your name badge to show at the entrance)

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Day two: Wednesday, May 31

- 8:30 Breakfast - and Poster Session
- 9:00 **Block 3: Special session**
- 9:00 **Keynote: Lennart Ljung (Linköping University): System Identification for control and simulation**
- 9:40 **Keynote: Shmuel Oren (UC Berkeley): Distributed resource integration in the US from a markets perspective**
- 10:20 Coffee break (20 min)
- 10:40 **Block 4: Session on long term and seasonal storage solutions**
- 10:40 **Keynote: Benjamin Kroposki (National Energy Renewable Laboratory - NREL): Seasonal storage studies in the US (TBC)**
- 11:10 Niels From (PlanEnergi): Seasonal Storage Solutions
- 11:30 Simon Furbo: Solar Heating Plants and Seasonal Heat Storage

11:50 Lunch and Poster Session (60 min)

12:50 **Special session**

- 12:50 **Keynote: Olof Samuelsson (Lund University): Intelligent Smart Grids: Driving change in urban energy systems – whereto and how?"**
- 13:30 Olivier Corradi (Tomorrow): Quantifying and optimising carbon emissions of the electricity grid
- 13:50 Jae-hyung Roh: Optimal Operation Strategy of Cogeneration System with Auxiliary Heat Facilities under Electricity Market Environments
- 14:10 **Block 5: Session on large smart energy/cities projects**
- 14:10 **Keynote: Hans Bloem (EU DG-Energy and JRC-Ispra): Use Cases of the EC-JRC Energy and CITIES Project.**
- 14:35 **Keynote: Magnus Hindsberger (AEMO): Towards a 100 pct fossil-free energy system in Australia**

15:00 Coffee Break (20 min)

15:30 **Keynote: Inger Andresen (NTNU - Trondheim): From ZEB to ZEN - Norwegian Research on Zero Emission Buildings and Neighborhoods**

15:50 Discussion and Summary: Kim Behnke (Moderator)

16:00 End of Consortium Meeting

Immediately after the closing of CITIES fourth general consortium meeting there will be a meeting between the International Advisory Board, the Work Package Manager Team and the Centre Management Team focusing on advices to CITIES. This will take place between 16:15 and 17:45.