

Centre for IT-Intelligent Energy Systems in Cities

CITIES Third General Consortium Meeting (GCM)
24th – 25th May 2016 at DTU, Lyngby Campus, Denmark

Program for CITIES Third General Consortium Meeting, 24th - 25th May 2016, DTU Lyngby Campus, Denmark.

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

Registration

Registration using this link no later than 18th of May: https://docs.google.com/a/smart-cities-centre.org/forms/d/1JucbvDatd09ehx2zTQEQwym4g_Zy-SC5UCbC3qAR6bo/edit

Venue

Building 101, Meeting room 1 on May 24 and "Glassalen" on May 25. DTU, 2800 Lyngby, Denmark.

Directions

The Lyngby Campus of DTU is 25 minutes from Copenhagen airport by taxi (approx. USD 60). The efficient Danish public transportation system can get you to the Lyngby Campus from the airport in approximately 1 hour. See more on how to get there: <http://www.dtu.dk/english/About/CAMPUSES/DTU-LYNGBY-Campus/Getting-there>

Hotel

We recommend the Scandic Hotel www.scandichotels.com/Hotels/Denmark/Copenhagen/Scandic-Eremitage/#.U1bkwPmSyoM - in Lyngby which is frequently used to serve DTU's guests. It is located in central Lyngby and is approximately 5-10 minutes from the campus by either taxi or bus. Busses 300S and 190 depart from the bus stop opposite the hotel (Lyngby Storcenter), and busses 180E and 181E depart from Lyngby train station.

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

There will be a self-financed GCM dinner the 24th at Madklubben.dk. Expected price range: 3-400 DKK.

Contact

If you have any questions please contact:

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Day 1: Tuesday, May 24 (Meeting room 1)

Block 1: Introduction

- 11:00 Registration and poster session (Møderum 1)**
12:00 Lunch and Poster session (Lunch in Glassalen)

- 13:00 Welcome; *Alfred Heller*, DTU Civil Engineering
13:10 CITIES - Status and visions; *Henrik Madsen*, DTU Compute
13:40 **Block 2: Session on planning tools**
13:40 Brian Vad Mathiesen (Aalborg University): 100% Renewable Energy System, Energy Storage and Smart Cities - the case of IDA'S Energy Vision 2050
14:00 Ole Damm (SE Big Blue) - Strategic Regional Energy Planning

- 14:20 Morten Stryg (Dansk Energi): Danish Energy System 2050
14:40 Anders Bavnøj Hansen (Energinet.dk): Analysis of scenarios for the Danish energy system with SIFRE simulation tool
15:00 **Coffee break (20 min)**
15:20 Sara Ben Amer and Per Sieverts Nielsen (DTU Management): A comparison of tools for planning
15:40 Steve Heinen (UCD, Dublin): Planning tools for integrated energy systems
16:00 **Keynote: Antonio Conejo (Ohio State University): A market design integrating the view of stochastic producers**
16:40 **Break (10 min)**

16:50 **Panel discussion - Moderator Poul Erik Morthorst (DTU)**

Panel: Peter Meibom (Dong Energy), Brian Vad Mathiesen (AAU), Anders Bavnøj Hansen (Energinet.dk), Ole Damm (SE Big Blue), Morten Stryg (DE), Sara Ben Amer (DTU), Steve Heinen (UCD), Young-Il Lee (Seoul National University), Antonio Conejo (Ohio State Univ.), Shmuel Oren (UC Berkeley)

- 17:30 End of day and summary by Henrik Madsen (10 min)
17:45 End of day 1

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Day 2: Wednesday, May 25 (Glassalen)

- 8:30 Breakfast - and Poster Session
- 9:00 **Keynote: Shmuel Oren (UC Berkeley): Smart Markets for a Smart Grid**
- Block 3: Session on Water - Energy Nexus (jointly with Water DTU)*
- 9:45 Henrik Madsen (DTU): Smart-Energy Operating-System; A system for implementing cross-area flexibility.
- 10:15 Rasmus Halvgaard (DTU/DHI): Energy flexibility in wastewater treatment
- 10:40 **Coffee break (20 min)**
- 11:00 Karsten Arnbjerg (DTU): Smart Water Cities
- 11:20 Lykke Leonardsen (Municipality of Copenhagen): Smart Liveable Cities

- 11:40 **Panel Discussion - Moderator Gerhard Zucker (AIT)**
- Panel: Rasmus Halvgaard (DHI), Karsten Arnbjerg (DTU Env.), Henrik Madsen (DTU), Annemie Wyckmans (NTNU), Hans-Åge Nielsen (Energinet.dk), Mark O'Malley (UCD)
- 12:10 **Lunch and Poster Session (60 min)**
- 13:10 **Keynote: Hans Bloem (EU Commission and JRC): Partnership between EU-JRC, CITIES and Smart Cities Initiatives in EU**
- 13:40 **Keynote Annemie Wyckmans (NTNU): KPI's for Smart Liveable Cities**
- 14:10 **Special presentations (20 min each)**
- 14:10 Hans-Åge Nielsen (Energinet.dk): The role of gas systems and storage in future integrated energy systems
- 14:30 Mark O'Malley (UCD Dublin): Status on the new EERA JP Energy Systems Integration and the International Institute for Energy Systems Integration

- 14:50 Bjarne Bach (EA Energianalyse): Dynamic prices for heat delivered to district heating systems
- 15:10 **Coffee Break (20 min)**
- 15:30 **Discussion and summary:** Poul Erik Morthorst (DTU Management) and Peter Rathje (Project Zero) (30 min)
- 16:00 End of Consortium Meeting

Immediately after the closing of CITIES third 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.