

# Centre for IT-Intelligent Energy Systems in Cities

CITIES Inaugural General Consortium Meeting  
26<sup>th</sup> – 27<sup>th</sup> May 2014 at DTU, Lyngby Campus, Denmark

## Program for CITIES inaugural General Consortium Meeting, 26<sup>th</sup> - 27<sup>th</sup> May, DTU Lyngby Campus, Denmark

CITIES is happy to present the inaugural program for the 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 is via email to [ithe@dtu.dk](mailto:ithe@dtu.dk) and will remain open until 15<sup>th</sup> May.

### Venue

Building 308, Auditorium 11 and 12. The Technical University of Denmark, 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/Practical-information/Directions/DTU-Lyngby-Campus>

### Hotel

We recommend the Scandic Hotel (<http://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 <http://www.rejseplanen.dk/>.

### Contact

If you have any questions please contact:

Ivan T. Herrmann  
+45 2275 6975, [ithe@dtu.dk](mailto:ithe@dtu.dk)

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<b>Monday</b>		11:40	Tecnalia & Kubik as a tool for Smart Energy Management in the Construction Sector: <i>Borja Tellado</i> , Tecnalia	14:40	District Heating in Future Smart Energy Systems: <i>Peer Andersen</i> , Fjernvarme Fyn
<b>Block 1: Introduction</b>					
9:00	Registration and coffee	12:10	<b>Lunch</b>	15:00	<b>Coffee break</b>
9:30	Welcome: <i>Ivan T. Herrmann</i> , DTU		<b>Block 3: Smart/green energy/cities test and demonstration sites</b>		<b>Block 4: Some preliminary CITIES results, methods, and challenges - Parallel sessions (auditorium 11 and 12)</b>
9:40	CITIES - Main ideas, methods, WPs and planned workshops: <i>Henrik Madsen</i> , DTU	13:00	SYSLAB and Bornholm test possibilities under the CITIES project: <i>Henrik Bindner</i> , DTU		
10:00	Administration and platform for knowledge sharing: <i>Alfred Heller</i> , DTU	13:20	ProjectZero as a demonstration and test platform for the CITIES project; What do we bring to the table and what are our expectations: <i>Peter Rathje</i> , ProjectZero	15:20 (Aud. 11)	A hierarchy of aggregators and controllers for future electric energy systems: <i>Henrik Madsen</i> , DTU
<b>10:20</b>	<b>Coffee Break</b>	13:40	Steps towards a fossil free future in Live Lab Stenderup: <i>Anders Midtgaard</i> , Insero Software	15:40 (Aud. 11)	A flexible aggregator for supermarket cooling (Joint work between DTU, Danfoss and TI): <i>Niamh O'Connell</i> , DTU
<b>Block 2: International partners</b>					
10:40	NREL energy systems integration research and capabilities: <i>Ben Kroposki</i> , NREL	14:00	Towards a zero emission city; District Heating and Wind Power Integration: <i>Jacob Andreasens</i> , Sydenergi		
11:00	Opportunities for applying CITIES solutions to an island energy system: <i>Mark O'Malley</i> , ERC/UCD	14:20	Towards knowledge-based planning and operation of DH systems: <i>Adam Brun</i> , Aarhus AffaldVarme		
11:20	Possible collaboration between Samsung C&T and CITIES: <i>Peter Woo</i> , Samsung				



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## **Monday - continued**

16:00  
(Aud. 11) Control of heat pumps and use of forecasts in future electric energy systems (Joint work between Grundfos, ENFOR, and DTU: *Jacopo Parvizi*, DTU and *Erik Sørensen*: Grundfos)

16:20  
(Aud. 11) Use of data for optimal operation of energy systems (Joint work between DTU and ENFOR), *Henrik Aalborg Nielsen*: ENFOR

15:20  
(Aud. 12) Definition(s) of a City: *Sara Ben Amer*, DTU

15:40  
(Aud. 12) Automation from BIM to CIM. Can we transfer building information model(s) into city information model(s)?: *Alfred Heller*, DTU

16:00  
(Aud. 12) Energy Services and Demand: *Per S. Nielsen*, DTU

16:20  
(Aud. 12) Quantifying the impact - can the design of the method affect the results?: *Ivan T. Herrmann*, DTU

## **16:40 Coffee Break**

16:50-17:30  
(Aud. 11) Panel discussion (WPM and CMT) Focus on test facilities and knowledge sharing

## **Tuesday**

### ***Block 5: State-of-the-art presentations***

9:00 GIS methods and energy planning with a climate focus: *Kirsten Halsnæs*, DTU

9:20 DH in future energy systems (TBD): *Morten Hoffmeister*, DTU

9:40 Energy markets: status, directions and challenges: *Pierre Pinson*, DTU

10:00 Smart and Zero Emission Buildings: *Per K. Heiselberg*, AAU

## **10:20 Coffee Break + Poster presentations**

10:50 Possibilities using gas in energy systems integration solutions/Storage need in future energy systems: *Allan S. Pedersen*, DTU

11:10 Model predictive control for smart energy systems: *Rasmus Halvgaard*, Krüger and DTU

11:30 Energy Efficiency and use of data from Smart Meters: *Peder Bacher*, DTU

### ***Block 6: Panel discussion (WPM and CMT)***

11:50 Status from WP Managers

12:10 Meeting evaluation, *Ivan T. Herrmann*, DTU

12:20 Priorities: workshops, demonstrations, etc: *Henrik Madsen*, DTU

## **12:30 End.**

**Notice the iiESI Workshop following this consortium meeting. See more on: [http://iiesi.org/assets/pdfs/copenhagen\\_overview.pdf](http://iiesi.org/assets/pdfs/copenhagen_overview.pdf)**

*We are planning to video record presentations for later communication purposes. Please inform us at [ithe@dtu.dk](mailto:iithe@dtu.dk) if you are not interested in being video recorded during a presentation.*