



Programme Day 1: Thursday 20th September 2018

1st Session: H2020 SmartNet Workshop

08:30- Registration

09:00-12:00 **SmartNet** Workshop: **How to Solve the future's Smart Grid Challenges** organised by the EU Horizon 2020 project SmartNet. Open to all meeting participants. (See separate programme)

12:00-13:00 Lunch & Registration

2nd Session: Welcome & Introduction

13:00-13:30 **Welcome & Introduction** by the host (Anders Bavnhøj Hansen, EnergiNet), the CITIES coordinator (Henrik Madsen, DTU) and the chair (Isabel H. Sørensen, accelopment AG)

13:30-14:00 **CITIES & Innovation Initiatives** by Henrik Madsen (DTU)

3rd Session: Smart Grids

14:00-14:20 **Control-based Ancillary Services Provision from the Flexibility of Electricity Customers** by Giulia De Zotti (DTU)

14:20-14:50 **Control Issues in Smart Grids** by Young-Il Lee (Seoul National University of Science and Technology, South Korea)

14:50-15:10 **EnergiNet's R&I Roadmap & Focus Areas towards a RE-Based Energy System** by Anders Bavnhøj Hansen. (EnergiNet)

15:10-15:40 Coffee break & Networking

15:40-16:10 **Network-Aware Transactive Energy Control Approaches** by speakers Benjamin Kroposki (National Renewable Energy Lab, USA)

16:10-16:30 **How to Characterise and Use the Flexibility in Integrated Energy Systems Using Control-Based Methods** by Rune G. Junker and Henrik Madsen (DTU)

16:30-17:00 **Design of Markets for the Future** by Shmuel Oren (University of California at Berkeley, USA)

17:00-17:45 **Panel Discussion: Research needs related to the design and operation of future energy systems** moderated by Henrik W. Bindner (DTU) w. Karl Sperling (AAU), Anders Bavnhøj Hansen (Energinet), Benjamin Kroposki (NREL, USA), Young-Il Lee (SNU, KR), Henrik Madsen (DTU) and Gerhard Zucker (AIT, A)

17.45 End of day 1

19:00 – 22:00 Joint Dinner



Programme Day 2: Friday 21st September 2018

4th Session: Smart Cities and Energy

08:00-09:00 Breakfast with Poster Session

09:00-09:30 **Smart Low-Carbon City Development in East Indonesia** by Vecky C. Poekoel (Universitas Sam Ratulangi, Indonesia)

09:30-10:00 **Argonne's Waggle Platform: Learning and Edge Computing for Cities Electrical Grids and the Environment** by Pete Beckman (Argonne National Lab, USA)

10:00-10:20 **Energy Planning for Integrated Energy Systems** by Dominik Franjo Dominkovic (DTU)

10:20-10:50 Coffee break & Networking

10.50-11:20 **Sustainable Energy Mix and Renewables Plan in South Korea considering roles of Battery Energy Storage Systems** by Jong Bae Park (Konkuk University, South Korea)

11:20-11:40 **Regulating Power Market - Modelling and Forecasting** by Jan Hvidbjerg (Ørsted) and Niclas L. Brok (DTU)

11:40-12:00 **Smart Cities and Smart Islands in Croatia** by Goran Krajacic (City Council of Zagreb, Croatia)

12:00 Lunch & parallel Poster Session

5th Session: Energy Storage Solutions

13:00-13:30 **New Approaches to Improve Urban Measurements: The Array of Things** by Charles E. Catlett (Argonne National Lab, USA)

13:30-14:00 **Energy Storage Systems in a Life Cycle Perspective** by Karl Sperling (Aalborg University, DK)

14:00-14:20 **PCM Solutions for Energy Storage** by Mark Dannemand (DTU)

14:20-14:40 **Energy Storage Solutions in Center Denmark** by Henrik Thorsen (Energy Cool, DK)

14:40-15:10 Coffee Break & Networking

15:10-16:00 **Discussion and Closing Remarks** by Charles Nielsen (TREFOR, DK)

16:00 End of day 2

6th Session: Post-Programme

16:15-17:30 **International Advisory Board, Work Package Manager Team and Centre Management Team Meeting**



General Information for Delegates

- Venue** EnergiNet, Tonne Kjærsvvej 65, 7000 Fredericia, Denmark.
- At premises walk to the **main entrance** and **ask for "CITIES" at the reception** to receive your access card, hereafter follow the signs to the **welcome desk** for registration. Click here for location details in [Google Maps](#).
- Dinner** The joint dinner for all registered delegates will take begin **19:00** on Thursday, the 20th September 2018 at [Best Western Hotel Plus Fredericia](#). Please click here for location details in [Google Maps](#).
- Accommodation**** 4* Hotel (DKK 1000) [Trinity Hotel and Conference Centre](#) and [Best Western Hotel Plus Fredericia](#).
- 2*-3* Hotel (DKK 800) [Hotel Gammel Havn](#) and [Hotel Postgaarden](#).
- Organiser** For questions please contact Isabel H. Sørensen isabel.heller@smart-cities-centre.org | +41 78 620 49 93.
- Acknowledgement** CITIES partners would like to thank EnergiNet for hosting the 5th General Consortium Meeting at their premises in Fredericia and the Innovation Fund Denmark for funding the project.
- Please find travel details and directions on the following pages.

***Please note that that we are not holding any rooms, rates are estimates and that all delegates, unless explicitly informed otherwise by the event manager, are responsible for arranging and paying for their own accommodation.*



Travel Information*

**Please note that all delegates, unless explicitly informed otherwise by the event manager, are responsible for arranging and financing their own travel arrangements.*

Arrival by air / train

From Billund Airport to Fredericia St.:

From Billund Airport, take the Express Bus 43 to Vejle Trafikcenter and walk to Vejle Train St. From here take Intercity Train to Fredericia Train St. The trip takes approx. 1h 10min with half-hourly departures. Tickets can be bought on www.dsb.dk and the travel can be planned at www.rejseplanen.dk.

The meeting venue is 40 km from Billund Airport by car.

From Copenhagen Airport to Fredericia St.:

Copenhagen Airport offers the best international connections. From Copenhagen Airport take the Intercity Train directly to Fredericia Train Station. The trip takes approx. 2h with hourly departures. It is recommended to buy tickets in advance incl. seat reservation at www.dsb.dk and the travel can be planned at www.rejseplanen.dk

Arrival by Train

Direct services run from Copenhagen Main St., Aarhus H and Sønderborg to Fredericia Train St. with half-hourly to hourly departures. It is recommended to buy tickets in advance with seat reservation online at www.dsb.dk.

Bus to Venue

From Fredericia Train St. walk to the bus terminal and take CityBus 3 to "Tonne Kjærsvvej v Energinet. The bus stop in front of the venue. The bus ride takes 30min with half-hourly departures. Tickets can be bought at the ticket machines.

Arrival by car

Take the highway E20, exit 60 "Fredericia V" and turn south. The meeting venue at EnergieNet will be on your right hand after 200 m.