

Smart Sustainable Cities seminar DTU - TU Berlin - NTNU

Hosted by CITIES

6-7 February 2017, Lyngby Campus, DTU, Copenhagen

The Smart Sustainable Cities seminar will take place at DTU, Lyngby Campus, building 101, meeting center, room S01.

6 February

09h00 - 15h00: Water 4.0 (including lunch 12h30-13h30)

Introduction to the seminar and the session programme (??, ?? & Peter Steen Mikkelsen, Head of Water DTU)

Modeling and control of urban drainage-wastewater systems (Luca Vezzaro, DTU)

Real time modeling of water infrastructure using hydraulic models and data assimilation (Morten Borup, DTU)

Implementation tools of storm and waste water management in urban areas (Markus Fischer & Paul Thamsen, TU Berlin)

Life cycle assessment of urban stormwater management systems (Sara Brudler, DTU)

Tools for urban design in the context of climate adaptation (Lotte Bjerregaard Jensen, DTU)

2050 - Risk reduction through climate adaptation of buildings and infrastructure, including stormwater management (Centre for Research-based Innovation) (Tone Muthanna, NTNU)

12h30-13h30: Lunch

13h30-15h00: Discussion on joint activities in Water 4.0 related education and research

15h00 - 18h00: Art, design and people as pillars of smart sustainable cities

The NTNU Task Force on Art and Technology (Florian Schneider, NTNU)

Smart people (Luidger Dienel & Gabriele Wendorf, TU Berlin)

A brainbox for smart city (Ying Chi Deng)

Urban Design Thinking – A new Approach to urban cooperation (Elke Pahl-Weber, TU Berlin)

Urban design thinking approach in student projects (Nadia Berseck, TU Berlin)

The FLEXI project (Gabriele Lobaccaro, NTNU)

Art in the smart sustainable city; values, visions and engagement (Jay S. Gregg, DTU)

Discussion on joint activities

18h00 - 19h00: Summary of today, commitments for the road ahead

Contribution by Elke Pahl-Weber, to create an annual European seminar on smart sustainable cities, with rotating host/leadership by our three institutions

19h00: Dinner

7 February

09h00 - 09h30: Welcome, Tour de table, Goals for today

09h30 - 12h30: Smart Zero Emission Neighbourhoods and Cities

Presentations and updates from the Danish CITIES centre (Henrik Madsen, DTU)

The Research Centre on Zero Emission Neighbourhoods in Smart Cities: PhD and postdoc positions, Work Plan for 2017 (Arild Gustavsen / Inger Andresen, NTNU)

University Campus Projects and LowExTra (low energy traces) (Martin Kriegel, TU Berlin)

SCA project (Anne Marie Damgaard, Climate-KIC)

Urban design thinking approach in student projects (Nadia Berseck, TU Berlin)

PI-SEC Planning Instruments for Smart Energy Communities (Eszter Juhasz-Nagy, NTNU)

Rethink renovation by use of data - the REBUS project (Carsten Rode, DTU)

Toolkit for Near Zero Energy Neighbourhoods / Dynamic Capabilities for knowledge integration in ZEB renovation (Carmel Lindkvist, NTNU)

First results from the EERA JP Smart Cities Simulation Task Force (Gabriele Lobaccaro, NTNU)

Developing a simulation-based optimizing model (Mohamed Hamdy)

Discussion on cooperation: PhDs, living labs, joint publications

12h30 - 13h30: Lunch

13h30 - 16h30: Smart City World Labs

General introduction to Smart City World Lab (Gate21)

General introduction to NTNU Smart Sustainable Cities incl the URBAN-EU-CHINA Innovation Platform on Sustainable Urbanisation, the Sino-Norwegian Partnership on Sustainable Energy, recent cooperation with Singapore (Annemie Wyckmans, Yu WANG, Aoife Houlihan Wiberg, NTNU)

Short introduction to the Smart City and Living Lab eco system in Denmark and Norway (Gate21, Nordic Edge)

Smart Cities and Meter Data (Alfred Heller, DTU)

Short term joint possibilities - for example joint events where we present Norwegian and Danish SMEs for relevant Asian partners (Singapore, China)

Long term possibilities through a joint Nordic approach

The financing of joint projects - Gate21 is currently 100% Danish focused because of financing, but has been encouraged to expand the second phase to a Nordic/Euro focus, with Nordic funding and/or individual funding opportunities. Is this a good starting point for Nordic / North-European cooperation?

16h30 - 17h30: Summary, goals for future cooperation