

Energy Systems for the Norwegian Grid

WORKSHOP

24th September 2018, Kjeller

8.30 – 8.55 **Arrival & get-together breakfast**

Session I

8.55 – 9.00 Sabrina Sartori (Department of Technology Systems, University of Oslo, Norway)

Welcome & introduction

9.00 – 9.45 Toru Namerikawa (Keio University, Japan)

Robust prediction and optimal management for energy systems with renewables

9.45 – 10.30 Hans-Arno Jacobsen (Technical University of Munich, Germany)

The OpenGridMap project

10.30 – 10.45 **Break**

Session II

10.45 – 11.15 Kari Dalen (Statnett, Norway)

A more flexible power system

11.15 – 11.45 Iliana Ilieva (Smart Innovation Norway AS)

Needs and activities in Norway

11.45 – 12.30 **Lunch**

Session III

12.30 – 13.00	Fred Espen Benth (Department of Mathematics, University of Oslo, Norway) <i>What can mathematical modelling do in energy markets?</i>
13.00 – 13.30	Min Zhang (Department of Informatics, University of Oslo, Norway) <i>P2P energy trading platform based on blockchain and fog computing technology (the SmartNEM project)</i>
13.30 – 14.00	Idun Osnes (Department of Technology Systems, University of Oslo, Norway) <i>Data centers workloads powered by wind power</i>
14.00 – 14.30	Mohan Lal Kolhe (Department of Engineering Sciences, University of Agder, Norway) <i>Smart micro grid for building integration of solar photovoltaics and home energy management system</i>
14.30 – 15.00	Ragnvald Nærø (Smart Energy Network, Norway) <i>Smart Energy Network – why is it needed and how does it work?</i>
15.00 – 15.15	Break
15.15 – 16.00	Round table discussion
16.00 – 16.10	Workshop closing