

SMART GRID WORKSHOP – JUNE 17-19 HALMSTAD UNIVERISTY

The Embedded and Intelligent Systems (EIS) research environment invites you to participate in the [Smart Grid Workshop](#) that will take place during June 17-19, 2013, at Halmstad University (HH). The Workshop aims to:

- To start a dialog between researchers and companies about innovation opportunities in the area of smart grids;
- To find new research directions and start new collaborative research projects within the area of smart grids;
- To discuss the possibility of collaborative educational programs with a smart grid focus.

Workshop activities will include seminar talks by researchers from HH and other international universities; as well as open discussion sessions. Interested company representatives are also encouraged to give short seminar talks about their company, product, current challenges and their vision of the future.

Planned outcomes for the workshop include:

- Creating a multidisciplinary research group focused on sustainable energy and society
- Discussing and starting a VINNOVA Agenda application
- Discussing and starting a EU application
- Finding possible ways of including a smart grids track into undergraduate and graduate education at HH

REGISTRATION

Registration is free of charge. A registration form and the latest version of the workshop program are available at www.hh.se/SmartGrid. **Registration closes on June 13 at 5 p.m.**

PRELIMINARY SCHEDULE

The following is a preliminary schedule of planned activities. For further information please contact Anita Sant'Anna (anita.santanna@hh.se).

Monday – June 17	
08:45 – 08:55	Opening session
08:55 – 09:20	Talk: Smart grid developments in the US by Robert Bass, Portland State University
09:20 – 09:45	Talk: Interfaces between heat grids and customer heating systems by Sven Werner, Halmstad University
09:45 – 10:00	<i>Coffee-break</i>
10:00 – 10:25	Talk: Fourth generation district heating systems by Sven Werner, Halmstad University
10:25 – 10:50	Talk: ReDi2Service: Remote Diagnostics Tools for Services by Slawomir Nowaczyk, Halmstad University
10:50 – 11:00	<i>Leg-stretcher</i>
11:00 – 12:00	Discussion session: Data analysis and data mining opportunities for smart grids
12:00 – 13:00	<i>Lunch</i>
13:00 – 13:25	Talk: Is the Internet of Things going to be a web of Things? by Anders Kjellström, ElectroTest Sweden AB
13:25 – 13:50	Talk: Residential energy management systems by Hans-Eric Eldemark, Halmstad University
13:50 – 14:00	<i>Leg-stretcher</i>
14:00 – 15:15	Halmstad Colloquium Talk: Stochastic Petri Nets by Kishor S. Trivedi, Duke University
15:15 – 15:45	<i>Coffee-break</i>
15:45 – 16:45	Discussion session: Innovation opportunities for energy management systems and smart homes
16:45 – 17:00	Closing session

Tuesday – June 18	
08:45 – 08:55	Opening session
08:55 – 09:20	Talk: Real-time communications by Magnus Jonsson, Halmstad University
09:20 – 09:45	Talk: Smart homes can support the grid by Tony Larsson, Halmstad University
09:45 – 10:00	Coffee-break
10:00 – 10:25	Talk: Verification of smart meter protocols by Mohammad Mousavi, Halmstad University
10:25 – 10:50	Talk: Security aspects for smart grids and possible research directions by Mattias Wecksten, Halmstad University
10:50 – 11:00	Leg-stretcher
11:00 – 12:00	Discussion session: Communication challenges for smart grids and research opportunities
12:00 – 13:00	Lunch
13:00 – 13:50	Lecture: Grid fundamentals by Robert Bass, Portland State University
13:50 – 14:00	Leg-stretcher
14:00 – 14:20	Talk: Undergraduate and graduate engineering education programs at Portland State University by Robert Bass, Portland State University
14:20 – 14:40	Talk: Energy Engineering education programs by Jonny Hylander
14:40 – 14:50	Talk: EIS industrial graduate school by Magnus Jonsson, Halmstad University
14:50 – 15:10	Talk: Education programs at IDE by Nicolina Månsson & Mikael Hindgren, Halmstad University
15:10 – 15:25	Coffee-break
15:25 – 16:25	Discussion session: Opportunities for collaborative education programs with a smart grid focus
16:25 – 16:35	Closing session

Wednesday – June 19	
09:15 – 09:25	Opening session
09:25 – 09:50	Talk: Green and Secure Smart Grid by Yan Zhang, Simula Research Laboratory, University of Oslo
09:50 – 10:15	Talk: Open EU calls for projects within smart grids by Mareike Lutz
10:15 – 10:30	<i>Coffee-break</i>
10:30 – 12:00	Working session: EU project opportunities
12:00 – 13:00	<i>Lunch</i>
13:00 – 13:25	To be decided
13:25 – 13:50	Talk: ReDi2Service: Digital service innovation and value creation by Soumitra Chowdhury
13:50 – 14:00	<i>Leg-stretcher</i>
14:00 – 15:30	Working session: Envisioning Smart Grid Services of the Future by Jesper Svensson & Esbjörn Ebbesson
15:30 – 15:45	<i>Coffee-break</i>
15:45 – 16:45	Discussion session: Service and product innovation opportunities – internet of things and social network of things
16:45 – 17:00	Closing session