

IPHE Educational Event in Oslo

H2igher Educational Rounds – H2ER

The International Partnership for Hydrogen and Fuel Cells in the Economy (IPHE, <http://www.iphe.net/>) was established in 2003 as an international partnership to accelerate the transition to a hydrogen economy. It provides a forum for advancing policies and international codes and standards to accelerate the use of hydrogen and fuel cells (HFC) globally. 17 countries and 1 region have committed to collaborating to advance the commercialization of hydrogen and fuel cell technologies in an effort to improve their energy supply and the environment.

The meeting, "H2igher Educational Rounds – H2ER ", provides an opportunity for students to meet international experts and IPHE delegates to exchange information and discuss related topics in more detail and to learn about education and job perspectives in the field of H2 & FC technologies as well as presenting the state-of-the-art and future of these technologies. (Official language is English)

Time: May 19, Monday 2014, 11.00–14.30

Venue: University of Oslo, building "[Forskningsparken](#)",
meeting room "Hagen 2"
Address: Gaustadalléen 21

A technical tour to the hydrogen station at [HyNor Lillestrøm](#) will take place right after the educational event.

The event is free of charge, but please register to erik.lorentzen@transnova.no if you wish to attend. Also please indicate if you would like to attend the technical tour taking place right after the educational event.



Agenda

10:30 Registration and coffee

Session 1: Policy Overview (11:00 –12:20)

11:00 Welcome and introduction

11:10 Overview of FC&H2 Developments in Germany

– *Nilgün Parker (Ministry of Transport and Digital Infrastructure)*

11:25 Overview of FC&H2 Developments in France

– *Bernard Frois (National Research Agency – CEA)*

11:40 Overview of FC&H2 Developments in USA

– *Sunita Satyapal (U.S. Department of Energy)*

11:55 Overview of FC&H2 Developments in EU

– *Johan Blondelle (European Commission)*

12:10 Discussions and questions

12:20 Break

Session 2: Research and education (12:30–13:15)

12:30 Hydrogen and fuel cell related activities at University of Oslo

– *Prof. Truls Norby (University of Oslo)*

12:45 Overview on advanced oxygen catalysts

– *Prof. Jürgen Garche (WBZU)*

13:00 Nano-structured materials for hydrogen storage

– *Associate Prof. Sabrina Sartori (University of Oslo, UNIK and IFE)*

13:15 Lunch

Session 3: Presentations from Norwegian corporations and public projects (13:45–14.30)

13:45 ZEG Power – Presentation of the ZEG-technology, a hybrid technology for co-production of electricity and hydrogen from hydrocarbon fuels with integrated CO₂-capture

– *Bjørg Andresen (Managing Director ZEG Power)*

- 14:00 **HYOP AS – The business case for infrastructure for hydrogen in Norway**
 – *Ulf Hafselid (Managing Director HYOP AS)*
- 14:15 **Ruter – Hydrogen buses in Oslo and Akershus – the CHIC project**
 – *Pernille Aga (Project Manager)*
- 14:30 **End of educational event**

Technical tour

14:45–18:00: Site visits and test drive of FCEV

Transportation by fuel cell hydrogen bus from University of Oslo.

- Økern hydrogen station (short stop, on the way to HyNor Lillestrøm)
- HyNor Lillestrøm – site visit (hydrogen station, new production and compression technology, including ZEG Power, metal hydride compressor from Hystorsys, and more)
- Test drive of hydrogen fuel cell electric vehicles (FCEV)
- Short reception

Transportation back to Oslo.