

WORKSHOP: HYDROGEN FOR TRANSPORT

Status, potential & research opportunities – 1st Dec. 2011

FUEL CELL
VEHICLE
TEST DRIVE



ORGANISERS:



Risø DTU | Frederiksborgvej 399, DK-4000 Roskilde | Free registration hadp@risoe.dtu.dk before 25th Nov.

You are hereby invited to the 9th Hydrogen Link workshop. The venue will be at Risø DTU in collaboration with the Danish Hydrogen & Fuel Cell Partnership. The overall theme will be the status, potential and research opportunities within hydrogen for transport. Particular focus will be on hydrogen production and refueling.

Fuel cell vehicles have advanced greatly during the past few years and today offers a comparable range and fast refueling as gasoline. Several major car manufacturers have recently reconfirmed their intent to commence market introduction around year 2015.

In EU this requires roll-out of an early and sufficient network of refueling stations in key market introduction areas such as Germany & Scandinavia.

Providing hydrogen as vehicles fuel requires efficient and competitive production and refueling technologies, capable of refueling 70MPa hydrogen in 3 minutes.

Significant R&D efforts in Denmark are ongoing on the infrastructure technologies, which will be presented at the workshop. Status and plans for hydrogen transport in Denmark, Norway and Germany will also be presented.

The workshop will offer a good opportunity to be updated and learn about future research needs and opportunities. You will also have the opportunity to test drive a top modern fuel cell vehicle from Hyundai which was launched in Europe earlier this year.

We look forward to see you at the workshop.

PROGRAM

10.30 – 10.40	Welcome by workshop host Risø DTU <i>Søren Linderoth, Professor</i>	13.00 – 13.20	Alkaline hydrogen production <i>Kent Svenstrup, Greenhydrogen.dk</i>
10.40 – 10.50	Danish Hydrogen & Fuel Cell Partnership <i>Aksel Mortensgaard, Director</i>	13.20 – 13.40	Solid Oxide electrolysis hydrogen production <i>Peter Vang Hendriksen, Professor Risø DTU</i>
10.50 – 11.00	The Danish Energy Challenge & Opportunity <i>Poul Erik Morthorst, professor Risø DTU</i>	13.40 – 14.00	70MPa hydrogen refuelling & compression <i>Jesper Boisen, H2 Logic A/S</i>
11.00 – 11.20	Status & plans for hydrogen transport in DK <i>Mikael Sloth, H2 Logic A/S</i>	14.00 – 14.20	PhD in 70MPa hydrogen refueling <i>Erasmus Damgaard, PhD student DTU</i>
11.20 – 11.40	Norways – a hydrogen roll-out analysis <i>Steffen Møller Holst, SINTEF</i>	14.20 – 14.40	Hydrogen storage – new approaches <i>Torben R. Jensen, Aarhus University</i>
11.40 – 12.00	German efforts on hydrogen for transport <i>Ulrich Buenger, LBST GbmH</i>	14.40 –	Coffee & fuel cell vehicle test drive
12.00 – 13.00	Lunch & fuel cell vehicle test drive		