

FCH JU Programme Review Days 2013

PRELIMINARY PROGRAMME

Monday 11 November

13:00 – 13:45 Registration

13:45 – 14:15 OPENING & WELCOME ADDRESS

Bert de Colvenaer, FCH JU Executive Director
Jean Luc Delplancke, Head of FCH JU Programme Unit

14:15 – 15:00 Introduction to portfolio of Technology Demonstration projects

- **Energy:** **Mirela Atanasiu**, FCH JU Project Manager
 - **Transport:** **Enrique Giron**, FCH JU Project Manager
- Q&A session

15:00 – 15:30 Coffee break & networking

15:30 – 18:00 PARALLEL SESSIONS on Technology Demonstration projects

SESSION 1

Demonstration in the field of Energy (micro-CHP, back-up power and electrolysers)

Moderators: Angelo Moreno, Mirela Atanasiu

SESSION 2

Demonstration in the field of Transport (light-duty vehicles, buses, APU for trucks and material-handling vehicles)

Moderators: Lars Sjunesson, Enrique Giron

15:30-16:00 **ENE.FIELD** 'European-wide field trials for residential fuel cell micro-CHP'
Fiona Riddoch, COGEN EUROPE

H2MOVES 'H2MOVES.EU SCANDINAVIA'
Ulrich Buenger, Ludwig-Bölkow-Systemtechnik GmbH

16:00-16:30 **LOTUS** 'Low temperature solid oxide fuel cells for micro-CHP applications'
Ellart De Wit, HyGear

CHIC 'Clean hydrogen in european cities'
Helmut Warth, Daimler

16:30-17:00 **REFORCELL** 'Advanced multi-fuel reformer for fuel cell CHP system'
Jose Luis Viviente, Tecnalia

DESTA 'Demonstration of 1st European SOFC Truck APU'
Jürgen Rechberger, AVL

17:00-17:30 **FITUP** 'Fuel cell field test demonstration of economic and environmental viability for portable generators, backup and UPS power system applications'
Ilaria Rosso, Electro Power Systems

FCGEN 'Fuel Cell Based On-board Power Generation'
Jazaer Dawody, Volvo

17:30-18:00 **ELYGRID** 'Improvements to Integrate High Pressure Alkaline Electrolysers for Electricity/H₂ production from Renewable Energies to Balance the Grid.'
Luis Correias, Hidrogeno Aragon

HYLIFT 'European demonstration of hydrogen powered fuel cell material handling vehicles'
Hubert Landinger, Ludwig-Bölkow-Systemtechnik GmbH

18:00 – 20:30 Poster session & walking dinner

Tuesday 12 November

08:30 – 09:00 Registration

09:00 – 09:45 Introduction to portfolio of System development, Components, Materials and Operation Diagnostics projects

- **Energy:** Nikolaos Lyemperopoulos, FCH JU Project Manager
- **Transport:** Carlos Navas, FCH JU Project Manager

Q&A session

09:45 – 10:15 Coffee break & networking

10:15 – 12:15 PARALLEL SESSIONS on Systems, Components and Materials Development projects for Energy and Transport applications

SESSION 1

Degradation Analysis and Materials Development for CHP

Moderators: Florence Lefebvre-Joud, Alan Atkinson

SESSION 2

Materials Development for Hydrogen Storage and Portable applications

Moderators: Andreas Dorda, Nikos LyMBERopoulos

10:15-10:45

KEEPEMALIVE 'Knowledge to enhance the endurance of PEM fuel cells by accelerated lifetime verification experiments'
Steffen Moller-Holst, SINTEF

HYCOMP 'Enhanced design requirements and testing procedures for composite cylinders intended for the safe storage of hydrogen'
Clemence De Villers, Air Liquide

10:45-11:15

SOFC-LIFE 'Solid-Oxide Fuel Cells – Integrating degradation effects into lifetime prediction models'
L.G.J de Haart, Forschungszentrum Juelich

SSH2S 'Fuel Cell Coupled Solid State Hydrogen Storage Tank'
Marcello Barricco, University of Torino

11:15-11:45

MAESTRO 'Membranes for stationary application with robust mechanical properties'
Deborah Jones, Université de Montpellier II

HYPHER 'Integrated hydrogen power packs for portable and other autonomous applications'
Juliet Kauffmann, Orion Innovations

11:45-12:15

METSAPP 'Metal supported SOFC technology for stationary and mobile applications'
Niels Christiansen, Topsoe Fuel Cell A/S

DURAMET 'Improved durability and cost-effective components for new generation solid polymer electrolyte direct methanol fuel cells'
Antonino Arico, CNR-ITAE

12:15 – 13:30 Lunch (Poster session)

13:30 – 14:30 PARALLEL SESSIONS on Systems, Components and Materials Development projects for Energy and Transport applications

SESSION 1

Sustainable Hydrogen Production

Moderators: Eden Mamut, Jean-Luc Delplancke

SESSION 2

Materials Development for Transport

Moderators: Daria Vladikova, Joerg Wind

13:30-14:00

COMETHY 'Compact multifuel-energy to hydrogen converter'
Alberto Giaconia, ENEA

PEMICAN 'PEM with innovative low cost core for automotive application'
Joel Pauchet, CEA

14:00-14:30

RESELYSER 'Hydrogen from RES: pressurised alkaline electrolyser with high efficiency and wide operating range'
Regine Reissner, DLR

STAMPPEM 'Stable and low cost manufactured bipolar plates for PEM fuel cells'
Anders ØDEGÅRD, SINTEF

14:30 – 15:00 Coffee break & networking

15:00 – 15:30 Introduction to portfolio of Cross-Cutting projects

Cross-Cutting Issues: Guillaume Leduc, FCH JU Project Manager

15:30 – 17:00 SESSION on Cross-Cutting projects

Moderators: Guillaume Leduc, Carlos Navas

15:30-16:00 **HYINDOOR** 'Pre-normative research on safe indoor use of fuel cells and hydrogen systems'
Béatrice L'Hostis, Air Liquide

16:00-16:30 **FC-EUROGRID** 'Evaluating the Performance of Fuel Cells in European Energy Supply Grids'
Robert Steinberger-Wilckens, University of Birmingham

16:30-17:00 **TEMONAS** 'Technology monitoring and assessment'
Peter Claassen, CLIMT

17:00 – 17:30 Concluding remarks - Scientific Committee members

17:30 – 18:00 Closure speech
Bert de Colvenaer, FCH JU Executive Director

18:30 – 21:00 Cocktail dinner

Annex: Poster session