

Programme

Monday, 30th July 2007

- 09:00-10:30 *Registration*
10:45-11:00 *Opening ceremony* – Pro-Vice-Chancellor Prof Bernie Hannigan
11:00-11:45 M. Fichtner - Hydrogen Storage Materials - Basic Properties and First Safety Studies
11:45-12:00 *Coffee*
12:00-12:25 Round table discussion
12:25-12:45 Updates & computer internet registration
12:45-14:15 *Lunch*
14:15-15:00 W. Breitung - Mechanistic safety analysis of hydrogen based energy systems (Part 1)
15:00-15:15 *Break*
15:15-16:00 W. Breitung - Mechanistic safety analysis of hydrogen based energy systems (Part 2)
16:00-16:15 *Tea*
16:15-17:00 Round table discussion
18:00-20:00 *Welcome Reception*

Tuesday, 31st July 2007

- 10:00-10:45 H. Barthélémy - Safety of hydrogen cylinders and pressure vessels (Part 1)
10:45-11:15 *Coffee*
11:15-12:00 H. Barthélémy - Safety of hydrogen cylinders and pressure vessels (Part 2)
12:00-12:45 Round table discussion
12:45-14:15 *Lunch*
14:15-15:00 A. Tchouvelev - Risk management and hydrogen safety
15:00-15:15 *Break*
15:15-16:00 A. Tchouvelev - Risk-informed and science-based approach to hydrogen codes and standards
16:00-16:15 *Tea*
16:15-17:00 Round table discussion
Social event

Wednesday, 1st August 2007

- 10:00-10:45 A. Lipatnikov - A distinctive feature of turbulent combustion of lean hydrogen-air mixtures
10:45-11:15 *Coffee*
11:15-12:00 A. Lipatnikov - Modelling of lean hydrogen-air turbulent flames
12:00-12:45 Round table discussion
12:45-14:15 *Lunch*
14:15-14:45 Work-in-Progress session
14:45-15:00 *Presentation by Frédéric della Faille, Alcatel/Adixen/Sensistor - Hydrogen Sensors*
15:00-15:15 *Break*
15:15-16:00 Work-in-Progress session
16:00-18:00 Sport events (optional)
Social event

Thursday, 2nd August 2007

- 10:00-10:45 D. Bjerketvedt - Some lessons learned from hydrogen explosions in the process industry (Part 1)
10:45-11:15 *Coffee*
11:15-12:00 D. Bjerketvedt - Some lessons learned from hydrogen explosions in

the process industry (Part 2)
12:00-12:45 Round table discussion
12:45-14:15 *Lunch*
14:15-15:00 Nobiyuki Tsuboi - Numerical Approach on Hydrogen Detonation:
Fundamentals and Applications (Part 1)
15:00-15:15 *Break*
15:15-16:00 Nobiyuki Tsuboi - Numerical Approach on Hydrogen Detonation:
Fundamentals and Applications (Part 2)
16:00-16:15 *Tea*
16:15-17:00 Round table discussion
Social event

Friday, 3rd August 2007

10:00-10:45 G. Newsholme - Lecture: Using ATEX to inform an appropriate risk
control strategy for hydrogen projects
10:45-11:15 *Coffee*
11:15-12:00 Work in progress presentations
12:00-12:45 Round table discussion
12:45-14:15 *Lunch*
14:15-15:00 Work in progress presentations
15:00-15:15 *Break*
15:15-16:00 Work in progress presentations
16:00-16:15 *Tea*
16:15-17:00 Work in progress presentations
Social event

Saturday, 4th August 2007

10:45-11:15 G. Newsholme - Mock-up workshop: Safety assessment report on
hydrogen fuel cell installation; presentations by syndicate groups
11:15-12:00 *Coffee*
12:00-12:45 Round table discussion
12:45-14:15 *Lunch*
14:15-17:00 *Presentation by Peter Royl, FZK - CFD modelling of hydrogen
experiments with GASFLOW*
Free time

Sunday, 5th August 2007

Social events

Monday, 6th August 2007

10:00-10:45 A. Teodorczyk - Initiation of Hydrogen Detonations
10:45-11:15 *Coffee*
11:15-12:00 A. Teodorczyk - Limits of Steady Propagation of Hydrogen
Deflagrations and Detonations
12:00-12:45 Round table discussion
12:45-14:15 *Lunch*
14:15-15:00 F. Markert - The hydrogen economy and adverse environmental
effects
15:00-15:15 *Break*
15:15-16:00 F. Markert. Risk assessment methodologies of hydrogen applications
in a socio-technological context
16:00-16:15 *Tea*
16:15-17:00 Round table discussion
Social event

Tuesday, 7th August 2007

- 10:00-10:45 K. Verfondern - Safety Considerations on Liquid Hydrogen (Part 1)
10:45-11:15 *Coffee*
11:15-12:00 K. Verfondern - Safety Considerations on Liquid Hydrogen (Part 2)
12:00-12:45 Round table discussion
12:45-14:15 *Lunch*
14:15-15:00 V. Golub - Hydrogen-Air Mixture Ignition and Combustion behind the Shock Waves
15:00-15:15 *Break*
15:15-16:00 V. Golub - Diffusion Self-Ignition of Hydrogen in Air
16:00-16:15 *Tea*
16:15-17:00 Round table discussion
Social event

Wednesday, 8th August 2007

- 10:00-10:45 A. Ruiz - Hydrogen Safety Program of the U.S. Department of Energy
10:45-11:15 *Coffee*
11:15-12:00 Round table discussion
12:00-12:45 Closing lecture by EC representative
12:45-13:15 Round table discussion
13:15-15:00 *Lunch*
15:00-15:30 *Closing ceremony* - Pro-Vice-Chancellor Prof Denise McAlister
15:30-16:00 *Farewell party*