

3rd ESSHS Programme (Tentative)

Monday, 21st July 2008

- 09:00-10:30 *Registration and coffee*
10:45-11:00 *Opening ceremony*
11:00-11:45 J. Lee (McGill University) and J. Shepherd (Caltech):
Introductory workshop on fundamentals and effects of hydrogen explosions – Part 1
11:45-12:00 *Break*
12:00-12:45 J. Lee (McGill University) and J. Shepherd (Caltech):
Introductory workshop on fundamentals and effects of hydrogen explosions – Part 2
12:45-14:00 *Lunch*
14:00-14:15 Paperwork – Social Programme & Expenses
14:15-15:00 J. Lee (McGill University) and J. Shepherd (Caltech):
Introductory workshop on fundamentals and effects of hydrogen explosions – Part 3
15:00-15:15 *Break*
15:15-16:00 J. Lee (McGill University) and J. Shepherd (Caltech):
Introductory workshop on fundamentals and effects of hydrogen explosions – Part 4
16:00-16:15 *Tea*
16:15-17:00 Round table discussion
18:00-20:00 *Welcome Reception*

Tuesday, 22nd July 2008

- 10:00-10:45 E. Oran (U.S. Naval Research Lab): The origin of DDT in gas-phase explosions
10:45-11:15 *Coffee*
11:15-12:00 E. Oran (U.S. Naval Research Lab): Flame acceleration, DDT, and hydrogen in channels
12:00-12:45 Round table discussion
12:45-14:00 *Lunch*
14:00-14:15 Paperwork – Social Programme & Expenses
14:15-15:00 F. Williams (UCSD): New developments in the understanding of hydrogen laminar burning velocities and spontaneous ignition (Part 1)
15:00-15:15 *Break*
15:15-16:00 F. Williams (UCSD): New developments in the understanding of hydrogen laminar burning velocities and spontaneous ignition (Part 2)
16:00-16:15 *Tea*
16:15-17:00 Round table discussion
Social event

Wednesday, 23rd July 2008

- 10:00-10:45 K. Hayashi (Aoyama Gakuin University): Fundamentals of hydrogen ignition
10:45-11:15 *Coffee*
11:15-12:00 K. Hayashi (Aoyama Gakuin University): High pressure hydrogen jet auto-ignition
12:00-12:45 Round table discussion
12:45-14:00 *Lunch*
14:00-14:15 Paperwork – Social Programme & Expenses
14:15-15:00 P. Sunderland (University of Maryland): Fire Hazards of Small Hydrogen Leaks
15:00-15:15 *Break*
15:15-16:00 P. Sunderland (University of Maryland): Hydrogen Vehicle Fire Hazards
16:15-17:00 Round table discussion
17:00-19:00 Sport events (optional)
Social event

Thursday, 24th July 2008

- 10:00-10:45 D. Bradley (University of Leeds): Hydrogen powered vehicles for transport
10:45-11:15 *Coffee*
11:15-12:00 D. Bradley (University of Leeds): Hydrogen-air turbulent burning velocities
12:00-12:45 Round table discussion
12:45-14:00 *Lunch*
14:00-14:15 Paperwork – Social Programme & Expenses
14:15-15:00 T. Hubert (BAM): Sensors for Hydrogen Safety
15:00-15:15 *Break*
15:15-16:00 G. Newsholme and P. Donnelly (HSE): Lecture – Using ATEX and industry best practice to manage the risk from hydrogen in conventional and nuclear workplaces
16:00-16:15 *Tea*
16:15-17:00 Round table discussion
Homework

Friday, 25th July 2008

- 10:00-10:45 G. Newsholme and P. Donnelly (HSE): Mock-up workshop; presentations by syndicate groups
10:45-11:15 *Coffee*
11:15-12:00 G. Newsholme and P. Donnelly (HSE): Mock-up workshop; presentations by syndicate groups
12:00-12:45 Round table discussion
12:45-14:00 *Lunch*
14:00-14:15 Paperwork – Social Programme & Expenses
14:15-15:00 S. Dorofeev (FM Global): Flame acceleration and transition to detonation: a framework for estimating potential explosion hazards in hydrogen mixtures, Part 1
15:00-15:15 *Break*
15:15-16:00 S. Dorofeev (FM Global): Flame acceleration and transition to detonation: a framework for estimating potential explosion hazards in hydrogen mixtures, Part 2
16:00-16:15 *Tea*
16:15-17:00 Round table discussion
Social event

Saturday, 26th July 2008

- 10:45-11:30 Work in progress presentations by young researchers
11:30-12:00 *Coffee*
12:00-12:45 Work in progress presentations by young researchers
12:45-14:00 *Lunch*
14:00-14:15 Paperwork – Social Programme & Expenses
14:15-18:00 *Free time*
18:00-22:00 *BBQ*

Sunday, 27th July 2008

Sunday's Social events

Monday, 28th July 2008

- 10:00-10:45 B. Somerday (Sandia National Laboratories): Hydrogen Effects in Materials, Part 1
10:45-11:15 *Coffee*
11:15-12:00 B. Somerday (Sandia National Laboratories): Hydrogen Effects in Materials, Part 2
12:00-12:45 Round table discussion
12:45-14:00 *Lunch*
14:00-14:15 Paperwork – Social Programme & Expenses
14:15-15:00 J. LaChance (Sandia National Laboratories): Quantitative Risk Assessment, Part 1
15:00-15:15 *Break*
15:15-16:00 J. LaChance (Sandia National Laboratories): Quantitative Risk Assessment, Part 2
16:00-16:15 *Tea*
16:15-17:00 Round table discussion
Social event

Tuesday, 29th July 2008

- 10:00-10:45 M. Groethe (SRI): Large-Scale Testing, Part 1
10:45-11:15 *Coffee*
11:15-12:00 M. Groethe (SRI): Large-Scale Testing, Part 2
12:00-12:45 Round table discussion
12:45-14:00 *Lunch*
14:00-14:15 Paperwork – Social Programme & Expenses
14:15-15:00 M. Maes (NASA White Sands Test Facility): Hazards Analysis, Part 1
15:00-15:15 *Break*
15:15-16:00 M. Maes (NASA White Sands Test Facility): Hazards Analysis, Part 2
16:00-16:15 *Tea*
16:15-17:00 Round table discussion
Social event

Wednesday, 30th July 2008

- 10:00-10:45 A. Ruiz (US DoE): TBC
10:45-11:15 *Coffee*
11:15-12:00 Round table discussion
12:00-12:45 Closing lecture by EC representative: TBC
12:45-13:15 Round table discussion
13:15-14:30 *Lunch*
14:30-14:45 Paperwork – Feedback & Expenses
15:00-15:30 *Closing ceremony*
15:30-16:00 *Farewell party*

