



UNIVERSITY OF LEEDS

Programme: Workshop on Hydrogen Energy Safety

University of Leeds, Rhodes Lecture Theatre (G55), School of Electronic Engineering,
4th July 2018.

9.30-10.00	<i>Arrivals and Coffee</i>	
10.00-10.05	Welcome to Leeds , <i>Dr Junfeng Yang and Jeremy Laycock Campbell</i>	University of Leeds, Energy Leeds
10.05-10.30	Hydrogen Combustion in and around Nuclear Reactors , <i>Prof Derek Bradley and Prof Adriana Palacios Rosas</i>	University of Leeds, Puebla University
10.30-10.55	Hydrogen 100 – Hydrogen Odorants & Leak Detection , <i>Sam Bartlett</i>	National Physical Laboratory
10.55-11.20	Hydrogen Flame Visualization , <i>Prof Yang Zhang</i>	University of Sheffield
11.20-11.30	<i>Coffee Break</i>	
11.30-12.00	Lab Tour (Combustion lab: MK-II bomb, RCM and LUPOE engines)	
12.00-13.00	<i>Lunch and poster session</i>	
13.00-13.25	Safety Hotspots in H₂ Production via Thermochemical Reforming , <i>Dr Valerie Dupont</i>	University of Leeds
13.25-13:55	Role and Safety of Hydrogen in the Future Energy System , <i>Dr Graham Atkinson and Stewart McEwen</i>	Health and Safety Executive
13.55-14.25	<i>Coffee break and poster session</i>	
14.25-14.50	Thermal Management/Two Phase Flow Issues in Fuel Cells , <i>Dr Lixin Cheng</i>	Sheffield Hallam University
14.50-15.15	Characteristics and mixing enhancement of a self-throttling system in a supersonic flow with transverse injections , <i>Dr Qinling Li</i>	Sheffield Hallam University
15.15-15.20	<i>Adjourn</i>	

Poster Presentations		
Experimental Study of Flame Instability of Hydrogen/Air Mixtures under Laminar Flow Conditions in an Optical SI Engine , <i>Jeongdo Kim, Alexey Burluka, Junfeng Yang</i>		University of Leeds and University of Northumbria
Hydrogen Ignition in a Bubble , <i>Yang Zhang</i>		University of Sheffield
Fundamental understanding of CO₂ adsorption using CaO: the critical thickness of product layer , <i>Hongman Sun, Chunfei Wu</i>		University of Hull
Direct Measurement of Turbulent Burning Velocity under High Pressure and Temperature by PIV Algorithm , <i>Wankang Zhang, Alexey Burluka, Malcolm Lawes, Junfeng Yang</i>		University of Leeds and University of Northumbria

**No registration fee. Tea/coffee and lunch sandwiches will be provided.*

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