Programme: 2019 UK-Germany Hydrogen Energy Workshop

University of Leeds, Lecture Theatre C (1.05), School of Chemical and Process Engineering,
Wednesday 24 July 2019

9.30-10.00	*Arrivals and Coffee*	
10.00-10.05	**Welcome to Leeds**, *Dr Junfeng Yang and Jeremy Laycock Campbell*	University of Leeds, Energy Leeds
10.05-10.35	**Strength in Places: Developing the UK Hydrogen Corridor**, *Prof Timothy Cockerill*	University of Leeds
10.35-11.05	**Hydrogen production from green power and supply for industry and urban areas in Germany**, *Prof Hartmut Krause*	TU Bergakademie Freiberg
11.05-11.35	**Leeds – UK's first Hydrogen City?,** *Dr Tom Knowland*	Leeds City Council
11.35-12.05	**Operational Regimes for CH_4 and H_2 jet Flames,** *Prof Derek Bradley*	University of Leeds
12.05-13:30	Lunch, poster session and networking	
13.30-14:00	**H_2-Netz – Hydrogen Distribution for Urban Gas Supply, Establishing a Hydrogen Test Grid**, *Prof Hartmut Krause, G. Müller-Syring, M. Henel*	TU Bergakademie Freiberg DBI Gastechnologisches Institut GmbH Freiberg
14.00-14.30	**Hydrogen Powered Free Piston Engine,** Dr Sumit Roy	University of Newcastle
14.30-15.00	**Laminar burning velocity of $H_2/CH_4/O_2/N_2$ in flat flames** *Mr. Sven Eckart and Prof. H. Krause*	TU Bergakademie Freiberg
15.00-15.05	Adjourn	
15.05-16.00	*Lab Tour* (**Combustion lab: MK-I & MK-II bomb, RCM and LUPOE engines**)	

Poster Presentations	
Experimental Study of Flame Instability of Hydrogen/Air Mixtures under Laminar Flow Conditions in an Optical SI Engine, *Jeongdo Kim, Alexey Burluka, Junfeng Yang*	University of Leeds and University of Northumbria
Cold Flow Analysis, Flame Stability and Emission Properties of Blade-based Premixed Swirl Burners at Various Blade Angles, *M. Hefele, S. Eckart, C. Krasselt, H. Chaves, H. Krause*	TU Bergakademie Freiberg
Research areas of the Combustion Division, *H. Krause*	TU Bergakademie Freiberg
Direct Measurement of Turbulent Burning Velocity under High Pressure and Temperature by PIV Algorithm, *Wankang Zhang, Alexey Burluka, Malcolm Lawes, Junfeng Yang*	University of Leeds and University of Northumbria
LBV and extinction strain rates of $H_2/CH_4/O_2/N_2$ in flat flames, *S. Eckart, I. G. Zsély, M. Boxler, C. Krasselt, H. Krause*	TU Bergakademie Freiberg , Eötvös University
H2home – Hydrogen Appliance in Future Households, *H. Krause, Ch. Hildebrand, J. Nitzsche*	TU Bergakademie Freiberg, DBI Gastechnologisches Institut GmbH Freiberg

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

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