

Preliminary Day (31st August 2022)			
14:00 - 18:00	Registration for Face-to-Face Attendees. Reception at the new Innovation Park, SPARK Building		
Day One (1st September 2022)			
7:30 - 17:30	Registration for Face-to-Face Attendees		
8:10 - 8.15	Welcoming Statement by Organising Committee		
8.15 - 8:20	Opening Statement - Prof. Colin Riordan (Cardiff University, President)		
8:20 - 8:25	Opening Statement - Dr. Dolf Gielen (Int. Renewable Energy Agency IRENA, Director)		
8:25 - 9:10	Ammonia Energy Keynote Speech: Prof. Alexander Konnov (Lund University)		
9:10 - 9:25	Coffee Break		
9:25 - 11:05	Main Room CSL	Room 2 CSL	Room 3 CSL
	9:25 - 9:45: <i>Investigation of curvature effects on the reactivity of premixed ammonia-air flames</i> . Authors: Karan A, Dayma G, Chauveau C, Halter F. Affiliation: Univ. Orleans and CNRS-ICARE, France - CF01	9:25 - 9:45: <i>Catalytic Studies of Imide-Transition-Metal Composites for Ammonia Decomposition</i> . Authors: Brooker-Davis C., Wood T.J., Makepeace J.W., David W.I.F. Affiliation: Univ. Birmingham, Univ. Oxford, UK - PC01	9:25 - 9:45: <i>Ammonia as a Fuel for MCFC</i> . Authors: Cinti G., Barelli L., Milewski J. Affiliation: Univ. Perugia, Warsaw Univ. Tech. - Italy and Poland [online] - FC01
	9:45 - 10:05: <i>Unraveling pressure effects in laminar flame propagation of ammonia: A comparative study with hydrogen, methane and ammonia/hydrogen</i> . Authors: Li W., Zhang J., Mei B., Fang J., Zhang Y., Cao C., Li Y. Affiliation: Shangai Jiao Tong and Princeton Univ., China and USA - CF02	9:45 - 10:05: <i>Towards a practical electrochemical process for ammonia production at ambient temperatures and pressures</i> . Authors: MacFarlane D., Du H., Chatti M., Hodgetts R., Cherepanov P., Nguyen C., Matuszek K., Simonov A. Affiliation: Monash Univ., Australia - PC02	9:45 - 10:05: <i>Hydrogen production and Purification via Ammonia Decomposition in a Catalytic Membrane Reactor</i> . Authors: Cechetto V., Di Felice L., Gallucci F. Affiliation: Univ. Tech. Eindhoven (TUE), The Netherlands FC02
	10:05 - 10:25: <i>Effects of pulse parameters on Non-equilibrium Plasmas-Assisted Ammonia Combustion: A Kinetic Study</i> . Authors: Shahsavari M., Konnov A.A., Valera-Medina A., Jangi M. Affiliation: Univ. Birmingham, Univ. Lund, Cardiff Univ. UK and Sweden - CF03	10:05 - 10:25: <i>Earth-abundant catalysts for ammonia decomposition</i> . Authors: Mahin J., El-Kadi J., Torrente-Murciano L. Affiliation: Univ. Cambridge, UK - PC03	10:05 - 10:25: <i>Conversion of aqueous ammonia waste using anode-supported solid oxide cells</i> . Authors: Raghu M., Laycock C.J., Owen G.R., Lloyd G., Guwy A.J. Affiliation: Univ. South Wales, TATA Steel, UK - FC03
	10:25 - 10:45: <i>Investigations on Extinction Limits of CH4/NH3 Non-Premixed Counterflow Flames with High-Temperature Air</i> . Authors: Murakami Y., Tezuka T., Nakamura H. Affiliation: Tohoku Univ, Japan [online] - CF04	10:25 - 10:45: <i>Accurate Ammonia Detection and Reporting in Laboratory Research</i> . Authors: Hodgetts R.Y., MacFarlane D.R., Simonov A.N. Affiliation: Monash Univ., Australia [online] - PC04	10:25 - 10:45: <i>Air pollution impacts and trade-offs of the road transportation sector</i> . Authors: Rzeplinska L., Dedoussi I.C. Affiliation: Faculty of Aerospace Engineering, Delft University of Technology, The Netherlands - ENV01
	10:45 - 11:05: <i>Measurements of OH* profiles in hydrogen-ammonia-air counterflow diffusion flames</i> . Authors: Issayev G., Zhu X., Guiberti T.F. Affiliation: KAUST, Saudi Arabia - CF05	10:45 - 11:05: <i>Dynamic parameter simulations for a novel small-scale power to ammonia concept</i> . Authors: Koschwitz P., Bellotti D., Cámara Sanz M., Alcaide-Moreno A., Liang C., Eppele B. Affiliation: TUD, Univ. Genoa, CIRCE, Proton Ventures - Germany, Italy, Spain and The Netherlands - PC05	10:45 - 11:05: <i>Ship Design for Safe Ammonia Integration</i> . Author: Beard T. Affiliation: BMT, UK - TL01
11:05 - 11:20	Coffee Break		
11:20 - 13:00	11:20 - 11:40: <i>The acoustic response of hydrogen/ammonia flames</i> . Authors: Duarte Nunes C., Morgans A.S. Affiliation: Imperial College, UK - CF06	11:20 - 11:40: <i>Islanded Ammonia Power Systems for Resilience in Small Island Developing States (SIDS)</i> . Authors: Sagela V.N., Rouwenhorst K.H.R., Faria J.A. Affiliation: Univ. Twente, AEA, Proton Ventures - The Netherlands and USA - PC06	11:20 - 11:40: <i>Quantifying the importance of careful weather data selection for techno-economic analysis of green production processes</i> . Authors: Nayak-Luke R., Cesaro Z., Bañares-Alcántara R. Affiliation: UCL, Oxford Univ. UK - TL02
	11:40 - 12:00: <i>Well-stirred reactor with homogeneous plasma for development of chemical kinetic model of plasma, ammonia and air</i> . Authors: Faingold G., Lefkowitz J.K. Affiliation: Technion, Israel - CF07	11:40 - 12:00: <i>Production of Green Ammonia from Agricultural Residues: An Indian Scenario</i> . Authors: Deshmukha S., Santhosh R. Affiliation: IIT Varanasi, India - PC07	11:40 - 12:00: <i>Life Cycle Analysis of Ammonia Based Private Road Transport</i> . Authors: Boero A., Mercier A., Mounaim-Rouselle C., Valera-Medina A., Ramirez A. Affiliation: ESPOL, Univ. Orleans, Cardiff Univ. - Ecuador, France, UK - TL03
	12:00 - 12:20: <i>Simultaneous measurements of NH2 and major species and temperature with a single & novel excitation scheme in ammonia combustion at atmospheric pressure</i> . Authors: Tang H., Ezendeeva D., Magnotti G. Affiliation: KAUST, Saudi Arabia - CF08	12:00 - 12:20: <i>Ramping capabilities of absorption-enhanced ammonia synthesis emerging technologies</i> . Authors: Torrente-Murciano L., Smith C. Affiliation: Univ. Cambridge, UK - PC08	12:00 - 12:20: <i>Technoeconomic Evaluation of Offshore Green Ammonia Production using Tidal and Wind Energy in the Pentland Firth</i> . Authors: Driscoll H., Salmon N., Bañares-Alcántara R. Affiliation: Univ. Oxford, UK - TL04
	12:20 - 12:40: <i>On the effect of NH3 on CH4 oxidation regimes</i> . Authors: Manna M.V., Sabia P., Ragucci R., de Joannon M. Affiliation: Univ. Studi Federico II and STEMS-CNR, Italy - CF09	12:20 - 12:40: <i>Power to Ammonia, Ammonia to Power</i> . Author: Liang C. Affiliation: Proton Ventures, The Netherlands - PC09	12:20 - 12:40: <i>Evaluating the Sustainability of Ammonia Fuelled Mini-Tractor for Orchard Operations</i> . Authors: Proniewicz M., Petela K., Szlek A., Adamczyk W. Affiliation: Silesian Univ. Tech. Poland - TL05
	12:40 - 13:00: <i>Comparative study on the laminar flame speed enhancement of Ammonia with Hydrogen and Methane addition</i> . Authors: Zitouni S., Brequigny P., Mounaim-Rouselle C. Affiliation: Orleans Univ., France - CF10	12:40 - 13:00: <i>Holistic Decarbonisation of Internal Combustion Engines through Synergies in Hydrogen-Base Energy Vectors</i> . Authors: Doustdar O., Zeraati-Rezaei S., Herreros J., Tsolakis A. Affiliation: Univ. Birmingham, UK - PC10	12:40 - 13:00: <i>Integrated Process of Solar Pyrolysis of Natural Gas to Produce Turquoise Hydrogen, Ammonia, and Urea for Fuel Cell Power Production</i> . Authors: Seklani Y., Bicer Y. Affiliation: Hamad Bin Khalifa Univ., Qatar [online] - TL06
13:00 - 14:00	Lunch with Poster Session		
14:00 - 15:40	14:00 - 14:20: <i>Ignition of ammonia/hydrogen/air mixtures by electrical discharges</i> . Authors: Markus D., Yu C., Essmann S., Shu B., Maas U. Affiliation: PTB and KIT, Germany - CF11	14:00 - 14:20: <i>Solar-Thermal Ammonia Production via a Nitride Looping Cycle</i> . Authors: Ambrosini A., Bush H.E., Ermanoski I., Gao X., Loutzenhiser P.G., Miller J.E., Nguyen N., Suliman Rashid, Stechel E.B. Affiliation: SANDIA Nat. Lab., Arizona State Univ., Georgia Tech., USA - PC11	14:00 - 14:20: <i>CFD Modelling and Simulations of Methane and Ammonia Injection in a Constant-Volume Chamber and High Recirculation Combustion System</i> . Author: Chasos C. Affiliation: Frederick Univ., Cyprus - ENV02
	14:20 - 14:40: <i>Investigation of laminar ammonia-hydrogen flames using simultaneous PLIF and chemiluminescence imaging</i> . Authors: Ahmed P., Cosway B., Talibi M., Balachandran R. Affiliation: UCL, UK - CF12	14:20 - 14:40: <i>Numerical investigation of favorable injection strategies in an ammonia-diesel dual-fuel CI engine</i> . Authors: Pedersen K.A., Lewandowski M.T., Pasternak M., Netzer C., Levås T. Affiliation: NTNU, LOGE - Norway, Poland - ICE01	14:20 - 14:40: <i>Direct numerical simulations of ammonia spray jets at different ambient temperature</i> . Authors: Angellilli L., Ciottoli P.P., Hernandez-Perez F., Valorani M., and Im H. Affiliation: KAUST, Univ. Rome - Saudi Arabia and Italy - ENV03
	14:40 - 15:00: <i>Experimental Study of Ammonia-Hydrogen-Methane cofiring in a Turbular Reactor</i> . Authors: Gahfif M., Arunthanayothin S., Battin-Leclerc F., Faravelli T., Stagni A., Herbinet O. Affiliation: Univ. de Lorraine, Politec. de Milano, France and Italy - CF13	14:40 - 15:00: <i>Characterization of the Soot Emissions formed in an Ammonia-Diesel Engine</i> . Authors: Zaher M., Yousefi A., Dadsetan M., Guo H., Thomson M. Affiliation: Univ. Toronto, NRCC, Ain Shams Univ - Canada and Egypt [online] - ICE02	14:40 - 15:00: <i>Numerical Study on Reducing Deflagration Hazards of Hydrogen Transportation through Ammonia Blending Techniques</i> . Authors: Abdel-Aziz F., Abdel-Raheem M.A., Yehia M.A. Affiliation: Cairo Univ., Egypt - ENV04
	15:00 - 15:20: <i>Experimental Investigation of Ammonia-Methanol mixtures in a Plug-Flow Reactor</i> . Authors: Welp A., Rudolph C., Atakan B. Affiliation: Univ. Duisburg-Essen, Germany - CF14	15:00 - 15:20: <i>Experimental investigation of the required breakdown voltage and ignition energy for an ammonia fuelled SI-engine</i> . Authors: Klüßmann J.N., Østerby T., Ludwig R., Ekknud L.R., Anders Ivarsson A., Jespersen M.C. Affiliation: TUD, Denmark - ICE03	15:00 - 15:20: <i>Quantification of Interpolation Error in Flamelet Generated Manifold Tabulation in an Unnormalized Progress Variable Subspace</i> . Authors: Kovaleva M., Rieth M., Crayford A., Valera-Medina A., Chen J.H. Affiliation: Cardiff Univ., SANDIA Nat. Lab. - UK and USA - ENV05
	15:20 - 15:40: <i>Effect of Radiation on Spherically Propagating Ammonia-Air and Ammonia/Methane-Air Flames</i> . Authors: Faghih M., Valera-Medina A., Paykani A. Affiliation: Univ. Hertfordshire, Cardiff Univ. UK - CF15	15:20 - 15:40: <i>Ammonia as alternative fuel for energetic sector</i> . Authors: Adamczyk W., Przybyla G., Żmudka Z., Petela K., Szlek A., Bialecki R., Peczkis G., Proniewicz M., Ziolkowski L., Pasternak M., Lewandowski M., Lovas T., Emberson D., Nadimi E. Aff.: Silesian Univ. Tech., LOGE Polska, NTNU - Poland and Norway - ICE04	15:20 - 15:40: <i>Simulation study on ammonia/COG burning in the two-stage burner and basic combustion characteristics of ammonia/hydrogen</i> . Authors: Lu A., Yang J., Morsy M., Yang J. Affiliation: Univ. Leeds, Chang'an Univ. - UK and China - ENV06
15:40 - 15:50	Coffee Break		
15:50 - 17:30	15:50 - 16:10: <i>Effects of wet combustion on NOx emissions reduction in laminar premixed ammonia/hydrogen/air flames: an analysis of NO formation pathways</i> . Authors: Karimkashi S., Tamadonfar P., Kaario O., Vuorine V. Affiliation: Aalto University, Finland - CF16	15:50 - 16:10: <i>Development of a Chemical Kinetic Modelling Methodology for Ammonia Internal Combustion Engines</i> . Authors: Hooker J., Panesar A., Atkins P., Morgan R. Affiliation: Univ. Brighton, UK - ICE05	15:50 - 16:10: <i>NOx Emission Comparison of Methane/Ammonia Fuels</i> . Author: Celtek M.S. Affiliation: Bingöl Univ., Turkey [online] - ENV07
	16:10 - 16:30: <i>OH and NO measurements in ammonia flames at low-pressure using LIF and absorption</i> . Authors: Lamoureux N., El Baba N., Desgroux P. Affiliation: Univ. Lille, France - CF17	16:10 - 16:30: <i>Experimental study of RCCI engine – Ammonia combustion with diesel pilot injection</i> . Authors: Dupuy A., Brequigny P., Schmid A., Frapolli N., Mounaim-Rouselle C. Affiliation: Univ. Orleans, WinGD - France and Switzerland - ICE06	16:10 - 16:30: <i>Numerical Analysis of NH3-H2/Syngas Fired Burner with Various Operating Conditions in the BERL Combustor</i> . Authors: Medhat M., Khalila A., Yehia M.A. Affiliation: Cairo Univ., Egypt - ENV08
	16:30 - 16:50: <i>A study of nitric oxide and major species in an ammonia/air flame with Raman spectroscopy aimed for kinetic model validation</i> . Authors: Zubairova A., Kim H., Aldén M., Brackmann C. Affiliation: Lund Univ., Sweden - CF18	16:30 - 16:50: <i>Testing of DME/Ammonia and DME/Propane mixtures as alternative CI single fuels for marine engines using modified IQT</i> . Authors: Knaack R., Ivarsson A., Dalsgaard T. Affiliation: TUD, Denmark - ICE07	16:30 - 16:50: <i>Numerical Investigation of RMS Properties of Turbulent CH4/NH3 Co-Combustion</i> . Authors: Füzesi D., Wang S., Chong T.C., Józsa V. Affiliation: Budapest Univ. Tech. Econ., Shanghai Jiao Tong - Hungary and China [online] - ENV09
	16:50 - 17:10: <i>Shock-Turbe measurements of Ammonia/Methanol Oxidation at Low Pressure using Laser Absorption Spectroscopy</i> . Authors: Parambath H., Nadiri S., Ramalingam A., Qu Zhecao., Shu B., Agarwal S., Fernandes R. Affiliation: PTB, Germany - CF19	16:50 - 17:10: <i>Ammonia direct injection to CI engine</i> . Authors: Przybyla G., Adamczyk W., Ziolkowski L., Peczkis G., Nadimi E., Żmudka Z., Proniewicz M., Sare M., Emberson D. Affiliation: Silesian Univ. Tech., GZW, NTNU - Poland and Norway - ICE08	16:50 - 17:10: <i>Simulating Aerosol-Induced Flame Instability of Ammonia Aerosol Combustion</i> . Authors: Wareing C.J., Van Loo S., Yang J. Affiliation: Univ. Leeds, UK - ENV10
	17:10 - 17:30: <i>Experimental and Numerical Study of Laminar Flames Speed of Ammonia/Methanol and Ammonia at High Pressure and Temperature</i> . Authors: Pelé R., Dayma G., Brequigny P., Halter F., Mounaim-Rouselle C. Affiliation: Univ. Orleans, France - CF20	17:10 - 17:30: <i>Spark-Assisted Compression-Ignition of Ammonia-Hydrogen Blends: A Preliminary Combustion Analysis</i> . Authors: Kane S.P., Swift E., Northrop W.F. Affiliation: Univ. Minnesota, USA - ICE09	17:10 - 17:30: <i>Combustion and Emission Characteristics of Ammonia/Hydrogen/Nitrogen-Air Premixed Flames in Intense Sheared Turbulence</i> . Authors: Rieth M., Gruber A., Chen J. Affiliation: SANDIA Nat. Lab., SINTEF - USA and Norway - ENV11
17:30 - 17:35	Closure Day One - Prof. Karen Holford (Chair of the Royal Academy of Engineering, Research Committee)		
18:30 - 20:30	Symposium Dinner at Aberdare Hall		

Day Two (2nd September 2022)		
8:00 - 8:05	Welcoming Statement by Organising Committee	
8:05 - 8:15	Opening Statement - <i>Dr. John Murton (UK's COP26 Envoy)</i>	
8:15 - 9:00	Ammonia Energy Keynote Speech: <i>Prof. Bill David (Oxford University)</i>	
9:00 - 9:15	Coffee Break	
9:15 - 10:55	9:15 - 9:35: <i>Characterizing ammonia/hydrogen and nitric oxide interaction with oxygen-free outwardly propagating spherical flame method.</i> Authors: J. Zhang, J. Fang, T. Lian, S. Han, W. Li, Z. Xi, Y. Li. Affiliation: Shanghai Jiao Tong, China - CF21	9:15 - 9:35: <i>Laminar burning velocities of ternary ammonia-hydrogen-methane /air mixtures.</i> Authors: Zitouni S., Zayoud A., Brequigny P., Jeanmart H., Contino F., Mounaim-Rousselle C. Affiliation: Univ. Orleans, Univ. Catholique de Louvain - France and Belgium - CF26
	9:35 - 9:55: <i>Study on NH3/CH4 Combustion in Tubular Swirl Flame Burner.</i> Authors: Zhang Y., Li T., Shi B., Wei X. Affiliation: Chinese Acad. Sciences, Beijing Inst. Tech. China - CF22	9:35 - 9:55: <i>Chemical Structure of Premixed Burner Stabilized Ammonia/Hydrogen/O2/Ar Flames at Elevated Pressures.</i> Authors: Osipova K.N., Shmakov A.G. Affiliation: Voevodsky Inst. Chem. Kinetics Combust. Russia - CF27
	9:55 - 10:15: <i>Flame characteristics study of preheated ammonia combustion.</i> Authors: Chen Y., Su Y., Yu Y., Zhang B. Affiliation: Qingdao Univ. Sci. Tech. China - CF23	9:55 - 10:15: <i>Ignition delay times of NH3 – Experimental and numerical study.</i> Authors: Samson R., Mounaim-Rousselle C., Foucher F. Univ. Orleans, France - CF28
	10:15 - 10:35: <i>Burning velocity and flame structure of ammonia/air turbulent premixed flames at high pressure and high temperature.</i> Authors: Nagaoka T., Kanoshima R., Kudo T., Hayakawa A., Kobayashi H. Affiliation: Tohoku Univ., Japan - CF24	10:15 - 10:35: <i>Flame Speed Measurements of Ammonia-Hydrogen Mixtures.</i> Authors: Kim G., Winquist M., Pierre M., Rahman R.K., Subbaraman G., Steele R., Vasu S.S. Affiliation: Univ. Central Florida, GTI Energy, EPRI - USA - CF29
	10:35 - 10:55: <i>Prediction of Laminar Burning Velocities for NH3/H2/Air Mixtures using Machine Learning Techniques.</i> Authors: Ustun Cihat E., Faghih M., Tayarani-Najaran M.-H., Valera-Medina A., Paykani A. Affiliation: Univ. Hertfordshire, Cardiff Univ. UK - CF25	10:35 - 10:55: <i>Burning Velocity and Flames Structure of Ammonia/Air Turbulent Premixed Flames at High Pressure and High Temperature.</i> Authors: Nagaoka T., Kanoshima R., Kudo T., Hayakawa A., Kobayashi H. Affiliation: Tohoku Univ., Japan - CF30
10:55 - 11:10	Coffee Break	
11:10 - 12:50	11:10 - 11:30: <i>Effects of oxygen enrichment on flame shapes and emissions of premixed ammonia/air swirl flames in a gas turbine model combustor.</i> Authors: Liu Z., Zhang Y., Han S., Lian T., Li W., Li Y. Affiliation: Shanghai Jiao Tong, China [Link] - AP01	11:10 - 11:30: <i>Applicability of strained premixed flamelet approach to numerical simulation of ammonia flame.</i> Authors: Kai R., Ayukawa S., Yunoki K., Kurose R. Affiliation: Kyoto Univ., Mitsubishi Heavy Inds., Japan [Link] - AP01
	11:30 - 11:50: <i>Effects of Ammonia Substitution on Explosion Limits of Methane.</i> Authors: Guo Y., Ying W., Chen A., Xiao H., Li J., Chen G. Affiliation: Guangzhou Maritime Univ., Guangdong Univ. Tech. China - AP02	11:30 - 11:50: <i>Interactions between Propagating Ammonia-Hydrogen-Air Detonation and Ammonia Spray Cloud.</i> Authors: Zhu R., Li G., Leach F., Davy M. Affiliation: Univ. Oxford, Beihang Hangzhou Innov. Inst. Yuhang - UK and China - AP03
	11:50 - 12:10: <i>Study on Combustion of Synthetic Gaseous Fuels with Ammonia Content.</i> Authors: Czyzewski P., Slefarski R., Golebiewski M. Affiliation: Poznan Univ. Tech., Poland - AP03	11:50 - 12:10: <i>Numerical Study of Ammonia Spray with a GDI Engine Injector.</i> Authors: Battistoni M., Zembli J., Pandai A., Rousselle C., Pelé R., Brequigny P., Hespel C. Affiliation: Univ. Perugia, Univ. Oviedo, Univ. Orleans - Italy, Spain and France - AP04
	12:10 - 12:30: <i>Nitriding Effects of Ammonia Flames on Metal Walls under Different Surface Temperatures.</i> Authors: Wang D., Lee M., Suzuki Y. Affiliation: Univ. Tokyo, Japan - AP04	12:10 - 12:30: <i>Large eddy simulations of turbulent non-premixed NH3/H2 jet flames at elevated pressure using principal component analysis coupled with deep neural networks.</i> Authors: Abdelwahid S., Malik M.R., Hammoud H.A.A.K., Hernández Pérez F.E., Ghanem B., Im H.G. Affiliation: KAUST, Saudi Arabia - AP05
	12:30 - 12:50: <i>NO production characteristics of premixed ammonia/methane turbulent swirling flame.</i> Authors: Wang Y.Q., Wang P., Cheng K., Mao C.L., Liu W.F., Yin Z.C., Ferrante A. Affiliation: Jiangsu Univ., Centro Combust. Ambiente Srl. China and Italy [Link] - AP05	12:30 - 12:50: <i>On the combustion modes of ammonia/n-heptane dual fuel spray combustion: 2D DNS.</i> Authors: Xu S., Treacy M., Bai X.S. Affiliation: Lund Univ., Sweden [Link] - AP06
12:50 - 13:50	Lunch with Poster Session	
13:50 - 15:30	13:50 - 14:10: <i>Ammonia/Methane Dual-Fuel Injection and Co-Burning Strategy in a Swirl Flame Combustor for Control of Pollutant Emissions.</i> Authors: Chong C.T., Wang S., Xie T., Józsa V., Ng J.H. Aff.: Shanghai JT, Budapest Univ. Tech. Econ., Univ. Southampton Malay. - China, Hungary and Malaysia [Link] - AP06	13:50 - 14:10: <i>Reduced order combustion modelling with the Flamelet Generated Manifold method for turbulent ammonia/hydrogen flames.</i> Authors: Mukundakumar N.N., Bastiaans R.J.M. Affiliation: TUE, The Netherlands - AP07
	14:10 - 14:30: <i>Ammonia combustion in inert porous media burners: systematic experimental characterisation and chemical kinetics analysis.</i> Authors: Vignat G., Zirwes T., Toro-Garza E.R., Boigné E., Trimis D., Ihme M. Affiliation: Stanford Univ., KIT - USA and Germany [Link] - AP07	14:10 - 14:30: <i>Testing of Kinetic Mechanisms using a Large Amount of Experimental Data on NH3/H2 and NH3/Synogas Combustion.</i> Authors: Sztanhtoffer A.Gy., Zsely I.Gy., Kawka L., Papp M., Turányi T. Affiliation: ELTE Eötvös Loránd Univ., Hungary - AP08
	14:30 - 14:50: <i>NH3 blend combustion in MILD conditions.</i> Authors: Ariemma G.B., Sorrentino G., Sabia P., de Joannon M., Ragucci R. Affiliation: STEMS-CNR, Univ. Naples Federico II, Italy - AP08	14:30 - 14:50: <i>Numerical study on ignition delay times of ammonia blended with dimethyl ether with NO/NO2 addition.</i> Authors: Shi X., Li W., Zhang Y., Han S., Li Y. Affiliation: Shanghai Jiao Tong, China - AP09
	14:50 - 15:10: <i>Influence of the Pilot Power Ratio on the Flame Morphology and NO Emissions of NH3-CH4-Air Combustion Using a Reduced-Scale Micro Gas Turbine Burner.</i> Authors: Avila C., Cardona S., Jualeid M., Younes M., Jamal A., Guilberti T.F., Roberts W.L. Affiliation: KAUST, Saudi Arabia - AP09	14:50 - 15:10: <i>Development of a skeletal chemical kinetic mechanism for the combustion of n-heptane/ammonia blends.</i> Authors: Xua L., Chang Y., Treacy M., Bai X.S. Affiliation: Lund Univ., Dalian Univ. - Sweden and China - AP10
	15:10 - 15:30: <i>Novel Trigeneration Gas Turbine Cycle Powered by Humidified Ammonia/Hydrogen with Ammonia Refrigeration.</i> Authors: Gutša Božo M., Mashruk S., Alnajideen M., Valera-Medina A. Affiliation: Termoinžinjering d.o.o., Cardiff Univ. - Serbia and UK [Link] - AP10	15:10 - 15:30: <i>NO reduction mechanisms during the combustion of NH3/CH4 mixtures.</i> Authors: Alzueta M.U., Abián M., Sieso L., Mercader V.D., Elvira I. Affiliation: Univ. Zaragoza, Spain - AP10
15:30 - 15:45	Coffee Break	
15:45 - 17:25	15:45 - 16:05: <i>Investigation of NOx emissions of high-pressure ammonia-methane-air premixed swirling flame with different swirl intensities.</i> Authors: Wang G., Cardona S., Guilberti T.F., Roberts W.L. Affiliation: KAUST, Saudi Arabia - AP11	15:45 - 16:05: <i>A study on the combustion behaviour of ammonia blended with dimethyl and diethyl ether: Theory and Kinetic Modeling.</i> Authors: Shrestha K.P., Giri B.R., Mai T.V.T., Huynh L.K., Mauss F. Affiliation: Brandenburg Univ. Tech., KAUST, Int. Univ. Sci. - Germany, Saudi Arabia, Vietnam - AP12
	16:05 - 16:25: <i>Stability limits of propane/ammonia/hydrogen ternary blends for an industrial scale swirl burner.</i> Authors: Mashruk S., Alnasif A., Tatchar J., Rudman J., Peronski L., Okafor E.C., Valera-Medina A. Affiliation: Cardiff Univ., Enertek, FloGas, Element-Energy, Kyushu Univ. UK and Japan - AP12	16:05 - 16:25: <i>NH2* Chemiluminescence During NH3 Oxidation in a Shock Tube.</i> Authors: Khan-Ghauri M., Gregoire C.M., Mathieu O., Petersen E.L. Affiliation: Texas A&M, USA [Link] - AP13
	16:25 - 16:45: <i>Co-Firing of Ammonia and Biomass in a Pilot Scale Fluidized Bed Reactor: A Numerical Analysis for Coal Phase-Out.</i> Authors: Cardoso J., Silva V., Chavando J., Eusébio D., Hall M. Affiliation: Univ. Lisboa, Polyt. Inst. Portalegre, Univ. Aveiro, Univ. Texas at Austin - Portugal and USA [Link] - AP13	16:25 - 16:45: <i>An experimental and modeling study on the laminar burning velocities of ammonia/oxygen/argon mixtures.</i> Authors: Jundie C., Lubrano Lavadera M., Konnov A.A. Affiliation: Lund Univ. Sweden - AP14
	16:45 - 17:05: <i>Effects of stratified H2 injection in premixed ammonia/hydrogen/air swirling flames.</i> Authors: Mashruk S., Alnasif A., Hao S., Navaratne R., Guilberti T., Valera-Medina A. Affiliation: Cardiff Univ., KAUST - UK and Saudi Arabia - AP14	16:45 - 17:05: <i>Comprehensive reaction mechanism for Ammonia/Methanol combustion.</i> Authors: Nadiri S., Shu B., Fernandes R. Affiliation: PTB, Germany [Link] - AP15
	17:05 - 17:25: <i>Emissions of Premixed Jet Flames with Ammonia Addition.</i> Authors: Jójkai J., Slefarski R., Jankowski R. Affiliation: Poznan Univ. Tech., Poland - AP15	17:05 - 17:25: <i>Performance investigation of currently available reaction mechanisms in the estimation of NO measurements: a comparative study.</i> Authors: Alnasif A., Mashruk S., Hayashi M., Hayakawa A., Valera-Medina A. Affiliation: Cardiff Uni., Tohoku Univ. - UK and Japan - AP16
17:25 - 18:00	Closure of Symposium: <i>Mr Trevor Brown (President of the Ammonia Energy Association)</i>	
18:00 - 18:05	Final Remarks and Official Closure of the event	
Day Three (3rd September 2022)		
8:30 - 17:00	Visit to RAL Ammonia Demonstrator and Free time in Oxford OR Visit to GTRC (Cardiff University) and Free time in St Fagans	

Health and Safety Workshop
(by invitation)

Available Rooms at the CSL for meetings

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Fuel Cells	LCA, Techno-economics & H&S	Environmental Impacts
Combustion Fundamentals	Internal Combustion Engines	CFD Modelling
Production and Catalysts	Combustion Applications	Reaction Modelling