

TECHNICAL PROGRAM									
Day	Time	Main Hall	Room 1 Laminar Flames Session Chair: Mario Sánchez Sanz	Room 2 Stationary Combustion Systems & Control of GHG Emissions Session Chair: Fano-Hsien Wu	Room 3 Spray, Droplet, and Supercritical Combustion Session Chair: Matthew Cleary	Room 4 Internal Combustion Engine Session Chair: Harsh Goyal	Room 5 Turbulent Flames Session Chair: Anastasia Krikunova	Room 6 Fire Research Session Chair: Sunghwan Yoon	
Sunday 05-12-2021	15:00-15:45	<b>Registration</b> Venue: Conference Room B, ADNEC							
	18:30-21:00	<b>Welcome Reception</b> Venue: SeventySix Restaurant, ADNEC							
Monday 06-12-2021	8:00-8:15	<b>Welcome address:</b> Dr. Arif Al Hamadi Executive Vice President, Khalifa University <b>Keynote 1</b> Matthew Cleary Title: Modelling the atomisation and combustion of turbulent sprays Session Chair: Hono Im <b>Keynote 2</b> Vasudevan Raghavan Title: Numerical modeling of evaporation and combustion of liquid fuels Session Chair: Hono Im							
	8:15-9:00	<b>Coffee Break</b>							
	9:00-9:45		<b>M4-01</b> Experimental Investigation of the Laminar Burning Velocity for Methane-Hydrogen Fuel Blend at Elevated Temperatures Berwal P., Kumar S.	<b>M10-01</b> A Novel Ultra-Lean Combustion Concept Based On Forced Vortex Flames Singhal S., Sharma M., Panda P.	<b>M6-01</b> A LES Study Of The Effects Of Ambient Gaseous Fuel On N-Dodecane Spray In Dual-Fuel Combustion Kim J., Chung S., Lee J.M., Hou Y., Yoo C.S.	<b>M11-01</b> A Computational Investigation of the Combustion Behavior and Turbulence-Chemistry Interaction in a Narrow-Throat Prechamber Combustion Engine Silva M., Im H., Liu X., Cenker E.	<b>M5-01</b> A Direct Numerical Simulation Study Of Entrainment In A Turbulent Stratified Jet Flame Wang H., Ren J., Lun K., Fan J.	<b>M9-01</b> A Study On The Extinction Condition In Counterflow Diffusion Flames Of Methane And Lpg Under The Influence Of Polydisperse Water Mist Badruk P.	
	9:45-10:10	<b>Coffee Break</b>							
	10:10-10:30		<b>M4-02</b> 2-D Axisymmetric Modelling Of CH4/O2/N2 Counterflow Diffusion Flames Navaneethkrishnan P., Sessa Giri K.	<b>M10-02</b> An Experimental Investigation Of Syngas Combustion Using A 26 Kw Two-Stage Combustor Dolal A.	<b>M6-02</b> Analysis Of Combustion Behaviors Of Aluminum Jet Flame Via Machine Learning Seki S., Takahashi S., Noda H., Kobayashi Y.	<b>M11-02</b> A Computational Study Of Isobaric Combustion Engines Using Side Injectors Aljabri H., Im H., Liu X., Goyal H.	<b>M5-02</b> An Experimental Study Of The Turbulent Flame Dynamics Characteristics Of A Fractal Turbulence Generator Kim J., Juddoo M., Masri A.R., Lee K.	<b>M9-02</b> An Experimental Investigation On The Flame And Flow Structure Of A Blue Whirl Yifan Y., Xia X., Zhang H.	
	10:30-10:50		<b>M4-03</b> 2-D DNS Study Of Autoignition Modes In N-Heptane Combustion Dubey A., Nakamura H., Morii Y., Maruta K.	<b>M10-03</b> Computational Study Of Influence Of Oxygen Enrichment On The Heat Release Rate And Emission Characteristics Of NH3/O2/N2 Mixture Vanteru M.R., Singh A., Mohapatra S., Dash S.K.	<b>M6-03</b> Comparison Of Sensitivity Difference Caused By Real Gas Effect With Increasing Pressures Yoon M.K., Kim S.-K., Kim H.J.	<b>M11-03</b> A Priori Computational Assessment Of Laminar Flame Speed Correlation In AN Ultralean Prechamber Engine Alkhamis G., Im H., Silva M., Cenker E.	<b>M5-03</b> Characteristics Of Non-Premixed Lifted Flame In A Regime Between Laminar And Turbulent Using Fuel Blending Jeon D.S., Kim N.I.	<b>M9-03</b> Buoyant-Flow Downward Flame Spread Over Unidirectional Carbon Fiber Reinforced Plastic In Oxygen-Enriched Atmospheres Kobayashi Y., Matsumoto K., Takahashi S., Matsukawa N.	
	10:50-11:10		<b>M4-04</b> A Computational Comparison Of NH3/O2 And CH4/O2 Non-Premixed Laminar Flames Yang W., Kyritsis D., Khateeb A.	<b>M10-04</b> Effects Of Equivalence Ratio, Inlet Temperature And Pressure On NO Emission For Two Stage Combustion Of NH3/H2 Fuel Mixture Mao C., Valera-Medina A., Wang P., Wang Y., Cheng K.	<b>M6-04</b> Data-Driven Prediction Of Flame Lift-Off-Length And Ignition Delay Of ECN Spray-A Mohan B., Badra J.	<b>M11-04</b> Computational And Experimental Combustion Performance Of A Zero Oil Cooled Piston For Heavy-Duty Diesel Engine Fuel Economy Improvement Btiss D.C.	<b>M5-04</b> Combustion Noise Generated By An Open Lean-Premixed Low-Swirl Hydrogen Flame: A Hybrid CFD/CAA Study Pillai A.L., Tachibana S., Yokomori T., Kurose R., Inoue S., Shoji T.	<b>M9-04</b> Difference Of Ignition Characteristics Of Long-Term Overloaded Electric Wire Between Microgravity And Normal Gravity Kawaguchi S., Guo F., Hashimoto N., Fujita O.	
	11:10-11:30		<b>M4-05</b> A Four-Component Gasoline Surrogate Model Formulation Using Burning Velocities At Elevated Initial Temperatures Kumar R., Kumar S.	<b>M10-05</b> Experimental Comparison Of The Transfer Functions Of Lean Hydrogen-Air And Methane-Air Swirl-Stabilized Flames Amiralin A., Lacoste D.	<b>M6-05</b> Development And Assessment Of Compressible Vof-Lpt Framework For Jet-In-Crossflow At Elevated Pressure Bhatia B., De A., Johnny T.	<b>M11-05</b> Pre-Chamber Jet Velocity Measurement Using Dual Formaldehyde PLIF Imaging Tang Q., Sampath R., Magnotti G., Cenker E., Khawaja D., Maruyama M.	<b>M5-05</b> DNS of Steam-Diluted Hydrogen/Oxygen Multi-Component Burner Tomisawa Y., Minamoto Y., Shimura M., Tanahashi M.	<b>M9-05</b> Effect Of Gravity On The Ignition Of Polyethylene Insulated Wire With Continuous Excess Current Supply Guo F., Hashimoto N., Fujita O., Kawaguchi S.	
	11:30-11:50		<b>M4-06</b> A Numerical Study Of Ignition Characteristics Of Nonpremixed H2/Air Mixture Within A Vortex With Chemical Explosive Mode Analysis Oh S.Y., Jung K.S., Yoo C.S.	<b>M10-06</b> Experimental Investigation On Methane/Air Distal Flames Stabilized By A Ceramic Honeycomb Loaded With Hexaaluminate Catalyst Wu M.-H., Lin Y.-H., Fu C.-W., Hu H.-Y.	<b>M6-06</b> Development Of Droplet Evaporation Model For Multi-Component Fuel And Validation For Light Cycle Oil Droplet Evaporation At Various Ambient Temperatures Naito Y., Hashimoto N., Fujita O.	<b>M11-06</b> Effect Of High Flow Injector On Gasoline Compression Ignition (GCI) Combustion At High Load: Single-Cylinder Engine (SCE) Experiment Cung K., Bitsis C., Briggs T., Smith E.M.	<b>M5-06</b> DNS of Turbulent Premixed Ammonia Combustion Khamedov R., Song W., Im H., Hernandez Perez F.	<b>M9-06</b> Effect Of The Insulation Thickness On Flame Spread Over Electrical Cu Wire With Applied AC Electric Field Minseong K., Ohboong K., Chung S.H., Yoo C.S.	
	11:50-12:10		<b>M4-07</b> A Study Of Methane/Air Combustion Enhancement Using Hydrogen Peroxide Fauzy A., Lin T.-H., Chen G.B., Wu F.-H.	<b>M10-07</b> Investigation Of The Heat Release Rate Markers In Premixed Ammonia-Methane-Air Flames Zhu X., Guilberti T., Roberts W.	<b>M6-07</b> A comparative study on the combustion characteristics investigation of Jet A-1, ABE, and blends in a Swirl Stabilized Combustor Kumar M., Karmakar S.	<b>M11-07</b> Fuel Economy Assessment Of Modern Engine Technologies In A Series-Hybrid Vehicle Cenker E., Alharbi R., Badra J.	<b>M5-07</b> Effect Of Hydrogen Enrichment Of Methane On Turbulent Combustion And NO Emission Tan Z., Meng H., Xu J., Huang D.	<b>M9-07</b> Effects Of Opening Closure At Different Fire Development Stages On The Occurrence Of Backdraft Tseung T.-Y., Tsai K.-C.	
	12:10-12:30	<b>Lunch / Women in Combustion</b>							
	12:30-14:00			<b>Room 1</b> Laminar Flames Session Chair: Ayman Elbaz	<b>Room 2</b> Stationary Combustion Systems & Control of GHG Emissions Session Chair: Ekenekchukwu Okafor	<b>Room 3</b> Solid Fuel Combustion Session Chair: Isam Janajreh	<b>Room 4</b> Gas-Phase Reaction Kinetics Session Chair: Binod Giri	<b>Room 5</b> Gas Turbine and Rocket Engine Combustion Session Chair: Inna Gorbatenko	<b>Room 6</b> Spray, Droplet, and Supercritical Combustion Session Chair: Michael Evans
	14:00-15:00	<b>Poster Session</b>							
	15:00-15:45	<b>Keynote 3</b> Mamoru Tanahashi Title: DNS and Laser Diagnostics of Steam-Diluted Hydrogen-Oxygen Combustion for Future Electric Power Generation Session Chair: Bassam Dally							
	15:45-16:10	<b>Coffee Break</b>							
16:10-16:30		<b>M4-08</b> Combustion Regime Classification Using Artificial Neural Networks Malpica Galassi R., Valorani M., Im H., Ciottoli P.P.	<b>M10-08</b> Morphology Of Methane-Air And Ammonia-Methane-Air Flames In A Reduced-Scale Industrial Burner Avila C., Younes M., Guilberti T., Roberts W., Jamal A., Wang G.	<b>M8-01</b> Analysis Of Fuel Property Correlations And Pyrolysis Behaviors For Torrefied Biomass Of Woody And Herbaceous Samples Yu S., Kim H., Ryu C., Park J., Lee Y.	<b>M11-01</b> A Methodology To Formulate The Surrogate Model Of RP-3 Based On The Genetic Algorithm Zeng Z., Zhong B.	<b>M12-01</b> A comparative study on the combustion characteristics investigation of Jet A-1, ABE, and blends in a Swirl Stabilized Combustor Kumar M., Karmakar S.	<b>M6-08</b> Effect Of Blending Ethanol On Iso-Octane Droplet Evaporation Characteristics Kondo T., Hashimoto N., Suganuma Y., Naito Y., Fujita O., Togashi K., Takagi M., Nomura H.		
16:30-16:50		<b>M4-09</b> Effect Of Confinement On The Transfer Function Of Laminar Premixed CH4/Air Flames Balakrishnan A., Figueiredo J., Castela M., Lacoste D.	<b>M10-09</b> Optimum Equivalence Ratio For Low NO And Unburned NH3 Emissions In Gaseous Ammonia Flames Co-Fired With Methane Or Hydrogen In A Swirling Flow Yamashita H., Kobayashi H., Somaratne K., Tsujimura T., Colson S., Hayakawa A., Okafor E., Ito S., Kudo T., Uchida M.	<b>M8-02</b> Determination Of Kinetic Parameters For Rapid Pyrolysis Of Guandinium Nitrate Phadke P.	<b>M11-02</b> Active Subspace-Based Similarity Analysis For Different Combustion Measurements Yang B., Lin X., Zhou Z., Wang Y.	<b>M12-02</b> An Adjustable Axial Swirler For Premixed Swirling Flames Wang G., Guilberti T., Roberts W.	<b>M6-09</b> Development of Standalone Liquid-fuelled Microburner using a Novel Pumpsless Microfluidic System Khan M.A., Kumar S.		
16:50-17:10		<b>M4-10</b> Effect Of Upstream Boundary Layer Thickness On The Characteristics Of Laminar Cross-Flow Biogas-Air Flames Harish A., Raghavan V., Tyagi B.K.	<b>M10-10</b> Parametric Studies On The Optimization Parameters Of Thermoacoustic Engine Using Sage Sankar V., Prabhudharwadkar D., Luo J., Saxena S., Roberts W., Chen Y.	<b>M8-03</b> Experimental And Numerical Study On The Ammonia-Coal Co-Combustion Characteristics On Swirl Burner Li Y.P., Yang Y., Huang Q., Li S., Ma P.	<b>M11-03</b> Comprehensive Kinetics Modeling Of Gasoline Surrogates Components Movel R., Ren V., Zang Y.	<b>M12-03</b> Application Of Physics Informed Neural Network To Solve The Acoustic Wave Equation: A First Step To Study Thermoacoustic Interactions Vaddepally K.C., Mariappan S.	<b>M6-10</b> Effects Of Pressure On Cool-Flame Characteristics Of An Isolated N-Decane And Ethanol Blended Droplet Ando S., Koyama K., Tamura T., Morlue O.		
17:10-17:30		<b>M4-11</b> Effects Of Curvature On Triple Flame Propagation In A Counterflow Xie S., Chen Z., Daou J.	<b>M10-11</b> Predicting The Minimum Load Of Coal-Fired Unit Limited By The Selective Catalytic Reduction System Huang Q., Li S., Wang Z., Cao W.	<b>M8-04</b> Experimental Research On Turbulent Flame Propagation Of Solid Particle Cloud/Ammonia Co-Combustion In A Fan-Stirred Constant-Volume Chamber Xia Y., Hashimoto N., Fujita O.	<b>M11-04</b> Dual-Camera High-Speed Imaging Of Ethanol Combustion In A High Pressure Shock Tube Figueroa Labastida M., Anwar Kashif T., Farooq A.	<b>M12-04</b> Combustion instability analysis of Low-swirl model gas turbine combustor with open source code OSCLOS code Ahn J., Lee K., Kang Y.	<b>M6-11</b> Effects of two-droplet interaction on the group combustion excitation in randomly distributed droplet clouds using a percolation model. Hara Y., Chikami Y., Mikami M., Seo T.		
17:30-17:50		<b>M4-12</b> Effects Of Nitrogen Dilution On C3H8/Air Premixed Flame Propagation In A Narrow-Gap-Disk-Burner Lee S.M., Jang H.J., Kim N.I.	<b>M10-12</b> Sulfur Combustion-Assisted Acid Gas (H2S And CO2) Processing In Sulfur Recovery Units Raj A., Abumounshar N.	<b>M8-05</b> Effect of burner tilt on flow, heat transfer and NOx emission during operation with uneven air supply in a 500MW tangential-firing boiler Jo H., Park J., Ryu C., Hong J.S., Kang W.	<b>M11-05</b> Effect Of Hydrogen Enrichment On Heat Release Rate And Emission Characteristics Of Premixed LPG Flames: A Chemical Kinetic Analysis Vanteru M.R., Sharma D., Dash S.K.	<b>M12-05</b> Discrete Dynamical Framework To Study Lock-In Phenomenon Of Vortex Shedding In Combustors Due To Coupling With The Acoustic Field Benjamin A., Mariappan S.	<b>M6-12</b> Evaporation Of Dilute Sprays In Moderate Swirling Jets Via DNS Ciottoli P.P., Dalla Barba F., Picano F., Battista F.		

	17:50-18:10		<b>M4-13</b> Experimental Observation Of Overdriven Spherical Propagation Flame <b>Hirano Y., Nakamura H., Tezuke T., Mukoyama T., Morii Y., Maruta K.</b>	<b>M8-06</b> Initiation Step In The Condensed Phase Decomposition Process Of Ammonium Perchlorate <b>Kumbhakarna N., Panchal H., Chowdhury A., Patel J.</b>	<b>M1-06</b> Effect Of Wall Surface Materials On Ammonia Pyrolysis <b>Feng P., Suzuki Y., Lee M.</b>		<b>M6-13</b> Forced Ignition Of Spray Ethanol Flames In Fuel Droplet/Vapor/Oxidizer Mixtures <b>Li Q., Zhang H.</b>	
<b>Day</b>	<b>Time</b>	<b>Main Hall</b>						
<b>Tuesday 07-12-2021</b>	8:15-9:00	<b>Keynote 4</b> <b>Aamir Farooq</b> Title: Ignition and elementary reaction studies of complex systems <b>Session Chair: James Turner</b>						
	9:00-9:30	<b>Industry Keynote 1</b> <b>Amer Amer</b> , Saudi Aramco Title: Towards a Net-zero CO2 World - Role of synthetic fuels and hydrogen in transport <b>Session Chair: Mani Sarathy</b>						
	9:30-10:00	<b>Industry Keynote 2</b> <b>Majed Toqan</b> , ATD Title: The Application of Ammonia in Gas Turbine Combustors <b>Session Chair: Mani Sarathy</b>						
	10:00-10:30	<b>Coffee Break</b>						
	10:30-12:30	<b>Industry Panel</b> <b>Panelist 1: Abdurrahman Khalidi</b> Energy transition: a combustion journey  <b>Panelist 2: Jeff Kloosterman</b> The role of non-hydrocarbon in the energy transition  <b>Panelist 3: Mark D'Agoetini</b> Opportunities for the use of oxy-fuel combustion in a sustainable energy economy  <b>Panelist 4: Larry Baxter</b> Carbon capture innovation that enables practical climate change mitigation  <b>Session Chair: Mani Sarathy</b>						
	12:30-14:00	<b>Lunch</b>						
	14:00-17:00	<b>Picnic to Louvre Museum (Transportation will be provided from Grand Stand Parking area)</b>						
<b>Day</b>	<b>Time</b>	<b>Room 1 Laminar Flames Session Chair: Fabien Halter</b>	<b>Room 2 Diagnostics Session Chair: Gaetano Magnotti</b>	<b>Room 3 Solid Fuel Combustion Session Chair: Abdullah AlRamadan</b>	<b>Room 4 Internal Combustion Engine Session Chair: Emre Cankar</b>	<b>Room 5 Turbulent Flames Session Chair: Oinolongo Tang</b>	<b>Room 6 Gas-Phase Reaction Kinetics Session Chair: Shashank Naoraiia</b>	
<b>Wednesday 08-12-2021</b>	8:15-9:00	<b>Keynote 5</b> <b>Namil Kim</b> Title: Laminar flame structures in meso-scale experiments  <b>Session Chair: William Roberts</b>						
	9:10-9:30	<b>W4-14</b> Experimental Study On Laminar Burning Velocity Of Furan / Air Mixtures <b>Takada R., Shimizu Y., Nakatani S., Segawa D., Kataoka H., Maeda Y., Funatsu T.</b>	<b>W3-01</b> An Interference-Free Laser-Based Methane Sensor Using Cepstral Analysis <b>Mhanna M., Sy M., Farooq A.</b>	<b>W8-07</b> Investigation Of Coal-Derived Soot Formation Characteristics During Oxy-Coal Combustion In Reducing-To-O2/CO2 Ambiences <b>Ma P., Li S., Huang Q., Yang Y.</b>	<b>W11-08</b> Effects Of Multiple Spark Ignition On Knocking Combustion And Thermal Efficiency Of A Spark-Ignition Engine <b>Shi H., Uddéen K., Tang Q., Magnotti G., Turner J.</b>	<b>W5-08</b> Exergy Analysis Of Forced Ignition In A Stratified Medium <b>Patil R., Sreedhara S.</b>	<b>W1-07</b> Effects Of Free Radicals On The Self-Ignition Process Of Methane <b>Peng H.-S., Zhong B.</b>	
	9:30-9:50	<b>W4-15</b> Experimental Study On Partial Replacement Of NH3 Into Fuel On Combustion Instability Of Downward-Propagating Premixed CH4/O2/N2 Flames <b>Binti Rajli A.N., Hashimoto N., Fujita O.</b>	<b>W3-02</b> An Investigation Into Characteristics Of Flame Base Fluctuations In Dual Swirl Non-Premixed Flame Using Simultaneous Measurements Of High-Speed Stereoscopic PIV, OH-PLIF And OH Chemiluminescence <b>Hattori H., Shimura M., Tanahashi M.</b>	<b>W8-08</b> Investigation On Liquid-Phase Heterogeneous Catalytic Depolymerization Of Lignin By In Situ Mass Spectrometry <b>Zhou Z., Qi F., Cui C.</b>	<b>W11-09</b> Effect of turbulent intensity on auto-ignition and combustion mode transition <b>He Y., Wang L., Pan J., Shu G., Wei H.</b>	<b>W5-09</b> Large Eddy Simulation Of Darmstadt Multi-Regime Burner: Assessment On Chemical Kinetics Mechanism Sensitivity <b>Angelilli L., Im H., Ciottoli P.P., Hernandez Perez F., Valarani M.</b>	<b>W1-08</b> Effects Of Ozone Addition On The Auto-Ignition Of Methylcyclohexane In An RCM <b>Yang B., Kang S., Iao W., Chu Z.</b>	
	9:50-10:10	<b>W4-16</b> Flame-Structure Interaction To Control Thermoacoustic Instabilities <b>Sánchez Sanz M., Fernández Tarrazo E., Veiga F., Rubio M., Martínez-Ruiz D.</b>	<b>W3-03</b> Counterflow Flame State Classification From Visual Or Ir Images Via Meta Learning <b>Kang R., Kyritsis D., Liatsis P., Yang W.</b>		<b>W11-10</b> Isobaric Combustion Using Multiple Injectors In An Optical Diesel Engine <b>Goyal H., Panthi N., Magnotti G.</b>	<b>W5-10</b> Measurements Of Laminar And Turbulent Burning Velocities For A Toluene Gasoline Surrogate Blending With Ethanol Under High-Pressure/Temperature Conditions And Their General Correlations <b>Shv S., Isafira R.D., Heieh H.</b>	<b>W1-09</b> Evaluation Of H-Atom Recombination Rate On Wall Surfaces Using A Wall Stagnation Flame <b>Saiki Y., Yusa K., Iinuma R., Sugimura Y.</b>	
	10:10-10:30	<b>Coffee Break</b>						
	10:30-10:50	<b>W4-17</b> High-Pressure And Temperature Ammonia Flame Speeds <b>Dayma G., Chauveau C., Karan A., Halter F.</b>	<b>W3-04</b> Laser-Induced Fluorescence Of NO In Laminar Nitrogen-Diluted Ammonia-Hydrogen Diffusion Flames At High Pressure <b>Wang G., Yang C., Guibert T., Roberts W., Tang H., Magnotti G.</b>	<b>W8-10</b> Numerical Calculation Of The Flame Propagation Over A Methane Hydrate Surface <b>Nigmatov O., Nishiki S., Ueda T.</b>	<b>W11-11</b> Machine Learning Model For Gasoline Compression Ignition At Low Loads <b>Al Ibrahim Z., Mohan B., AlRamadan A., Badra J.</b>	<b>W5-11</b> Numerical Investigation Of Structure Of Turbulent Diffusion Flame Using Openfoam <b>Keshri R.K., Kumar S. M., Raghavan V.</b>	<b>W1-10</b> Experimental And Modeling Study On Oxidation Of Three Linear Carbonate Esters Using A Micro Flow Reactor With A Controlled Temperature Profile <b>Kanayama K., Takahashi S., Nakamura H., Tezuke T., Morikura S., Maruta K.</b>	
	10:50-11:10	<b>W4-18</b> Hydrogen Addition Effect On CH4/Air Premixed Flame In A Disk Burner Of Variable Mesoscale Gap <b>Jang H.J., Kim N.I., Lee S.M.</b>	<b>W3-05</b> Measurements Of Local Flame Displacement Velocity Field Using Horn-Schunck Method <b>Song E., Lei Q.</b>	<b>W8-11</b> Numerical model for composite propellant combustion <b>Prasad G. K., Kumar A.</b>	<b>W11-12</b> On Cool Flame Oxidation As Reforming Way For Internal Combustion Engines <b>Tang R., Pan J.</b>	<b>W5-12</b> On The Nearfield Structure Of Oxy-Fuel Jet Flames With Co2 Dilution <b>Bukar M., Kim T., Basnet S.</b>	<b>W1-11</b> Investigation On Ammonia Oxidation Under H2O Diluents Condition Using A Micro Flow Reactor With A Controlled Temperature Profile <b>Tamaoki K., Tezuke T., Kanayama K., Nakamura H., Murakami Y.</b>	
	11:10-11:30	<b>W4-19</b> Ignition And Extinction Characteristics Of Wall-Stabilized Premixed N-Alkane Cool Flames <b>Mizuno T., Suzuki Y., Lee M.</b>	<b>W3-06</b> OH Concentration Measurement Using Bi-Directional OH(2,0) LIF On Flat Flames <b>Higuchi Y., Hayakawa A., Kobayashi H., Tomioka S., Kudo T., Nunome Y., Tomita T.</b>	<b>W8-12</b> Opposed Flow Flame Spread Over The Thin Fuels: A Sensitivity Study <b>Srivastav V., Kumar A.</b>	<b>W11-13</b> Optical Investigation Of N-Heptane Auto-Ignition Behaviors Using A Rapid Compression Machine <b>Liu W., Zhano R., Wang Z., Qi Y.</b>	<b>W5-13</b> Single- and Dual-pulse Laser Spark Ignition in Intense Isotropic Turbulence for Premixed Turbulent Combustion <b>Shv S., Chen Y.-R.</b>	<b>W1-12</b> Modeling Of Auto-Ignition Of Gaseous Species Formed During Lithium Battery Thermal Runaway <b>Mével R., Ni Z., Wang H., Ouyang M.</b>	
	11:30-11:50	<b>W4-20</b> Implementation Of The Thickened Flame Model In Openfoam <b>Choi M., Shin D.-H.</b>	<b>W3-07</b> One-Dimensional Equivalence Ratio Measurements by Femtosecond Laser Filament-Triggered Discharge Plasma Spectroscopy <b>Zhu Z., Gao O., Li M., Li Z., Feng Z., Li B., Gao E.</b>	<b>W8-13</b> Oxidation and Capturing Mechanisms of Mercury by the De-NOx Catalyst <b>Yoshiie R., Naruse T., Ueki Y.</b>	<b>W11-14</b> Direct Numerical Simulations Of Super-Knock Tendency Under IC Engine Conditions <b>Luona M.B., Im H.</b>	<b>W5-14</b> Some Characteristics Of Buoyant Flames With Varying Levels Of Turbulence <b>Xiao T., Kourmatzis A., Torero J., Masri A., Gupta V., Dunn M.</b>	<b>W1-13</b> Modelling Hypergolic Ignition Of Triethylboron-Oxygen Mixture Using Detailed Chemical Kinetics <b>Kumbhakarna N., Kumar S., Jithin E.V.</b>	
	11:50-12:10	<b>W4-21</b> Influence Of Heat Losses On Thermo-Acoustic Coupling Frequencies <b>Martinez-Ruiz D., Flores-Montoya E., Sanchez Sanz M., Muntean V.</b>	<b>W3-08</b> Scalar Structure Measurements In NH3/Yang C., H2/N2 Turbulent Jet Flames at Elevated Pressure by Raman Spectroscopy <b>Tang H., Wang G., Guibert T., Roberts W., Magnotti G.</b>	<b>W8-14</b> Study On Downward Flame Spread Phenomenon Over Electric Wire With Different Insulation Thickness <b>Royama D., Fujita O., Baptiste P., Konno Y., Hashimoto N.</b>	<b>W11-15</b> Study on Combustion and Wall Heat Transfer of Super-Lean Burn SI Engine with In-Cylinder Water Injection using RCEM <b>Nagasawa T., Ishii D., Sato S., Takase Y., Mihara Y., Kanbe S., Kosaka H.</b>	<b>W5-15</b> Turbulence-flame Interaction of H2-air premixed flames at elevated pressures <b>Song W., Hernandez Perez F.</b>	<b>W1-14</b> On The Modeling Of Ignition In Rapid Compression Machine <b>Mével R., Li Z., Tan Y., Ni Z., Weng Z.</b>	
	12:10-12:30	<b>W4-22</b> Inverted Conical Methane/Air Flame Shape Transformation Under Acoustic Excitation: Gravity Impact <b>Krikunova A., Chesko A., Savelliev A.</b>	<b>W3-09</b> Temperature Measurement with Two-line OH PLIF of Different Vibrational Bands <b>Huang S., Shimura M., Tanahashi M.</b>	<b>W8-15</b> The Controlling Parameter For The Flame Traveling Velocity Of The Stabilized Combustion <b>Miwa T., Suzuki S., Nagata H., Fukada M.</b>	<b>W11-16</b> The Unique Role Of Energy Density In Detonation Development Induced By A Hotspot <b>Wang L., Pan J., Shu G., Wei H., He Y.</b>	<b>W5-16</b> Turbulent Flame Characteristics of Fractal Generated Turbulence in Low Swirl Injector <b>Kang Y., Lee K.M.</b>	<b>W1-15</b> On The Modeling Of Ignition In Shock Tube With Non-Ideal Pressure Rise <b>Mével R., Li Z., Ni Z.</b>	
	12:30-14:00	<b>Lunch</b>						
	<b>Time</b>	<b>Room 1 Laminar Flames Session Chair: Guillaume Dayma</b>	<b>Room 2 New Concepts Session Chair: Ramses Snoeckx</b>	<b>Room 3 Soot, Nanomaterials and Large Molecules Session Chair: Peng Liu</b>	<b>Room 4 Detonations, Explosions, and Supersonic Combustion Session Chair: Jai Ick Yoh</b>	<b>Room 5 Gas Turbine and Rocket Engine Combustion Session Chair: Aravind Balakrishnan</b>	<b>Room 6 Spray, Droplet, and Supercritical Combustion Session Chair: Adamu Alfazazi</b>	
14:00-14:45	<b>Keynote 6</b> <b>Shengyang (Steven) Shy</b> Title: Spark Ignition Transition of Premixed Turbulent Expanding Flames using Nanosecond Repetitively Pulsed Discharges <b>Session Chair: Dimitrios Kyritsis</b>							
14:50-15:10	<b>W4-23</b> Lagrangian-Based Flame Simulations In Cantera <b>Mével R., Maxwell B., Melguizo-Gavilanes J.</b>	<b>W13-01</b> A computational study of the nonpremixed flame dynamics in response to AC electric fields <b>Kabbaj N., Im H., Shao X.</b>		<b>W7-01</b> A Lokta-Volterra Chemical Scheme for Detonation <b>Faghhi M., Mével R.</b>	<b>W12-07</b> Dynamic Properties of Nonpremixed Oxygen/Methane Coaxial Jet Flames <b>Song J.H., Kwon O.C., Choi S., Kim Y.H.</b>	<b>W6-14</b> Hypergolic Ignition of tetramethylethylenediamine and IRFNA jet-jet impingement <b>Phadke P., Chowdhury A., Swami U.</b>		

15:10-15:30		<b>W4-24</b> Laminar burning velocity of CH <sub>4</sub> /CO <sub>2</sub> /Air mixtures at elevated temperatures <b>Jrthin E.V., Kumar S., Balakrishnan A., Kumbhakarna N., Sampath S.</b>	<b>W13-02</b> A Study on the Lifted Non-Premixed Jet Flame in a Bluff-Body Burner with an Annular Plasma Actuator <b>Chen J.-L., Liao Y.-H.</b>		<b>W7-02</b> Analysis of Ethylene-Fueled Supersonic Combustion Instability using Image-Based Methods <b>Nishimoto S., Nakaya S., Tsue M.</b>	<b>W12-08</b> Effects of non-thermal plasma on the lean and rich blowout limits in swirl-stabilized turbulent lean and rich premixed flames of ammonia/air <b>Kim G.T., Ohboong K., Chung S.H., Yoo C.S.</b>	<b>W6-15</b> Liquid Ammonia Spray Combustion and Emission Characteristics with Gaseous Hydrogen/air Co-Firing <b>Somarathne K., Yamashita H., Colson S., Hayakawa A., Okafor E., Kobayashi H., Kudo T.</b>	
15:30-15:50		<b>W4-25</b> Laminar burning velocity of SNG fuel depending on hydrogen content in Outwardly propagating Spherical Flames <b>Cho S., Lee K.</b>	<b>W13-03</b> Biomass oxy-gasification with steam or carbon dioxide for high valuable syngas production: an experimental and numerical approach <b>Frigo S., Gabbriellini R., Barontini F.</b>		<b>W7-03</b> Cellular Structure of 2D and 3D Gas-Phase Detonations in Ethylene-Air Mixtures <b>Dimitrova I., Luong M.B., Sanal S., Im H., Tingas E.-A.</b>	<b>W12-09</b> Effects of wall confinement on macrostructures and flow fields of lean premixed methane/air flames in a swirl-stabilized model combustor <b>Li Y., Liu Z.</b>	<b>W6-16</b> Micro-Explosion Mechanism In Droplet Combustion: Puffing And Droplet Breakup <b>Yang S., Kumar A.</b>	
15:50-16:10	<b>Coffee Break</b>							
16:10-16:30		<b>W4-26</b> N <sub>2</sub> O Production Characteristics of Ammonia/Hydrogen/Air Premixed Laminar Flames Stabilized in Stagnation Flows at Lean Conditions <b>Hayakawa A., Okafor E., Kudo T., Kobayashi H., Gotam G., Valera-Medina A., Hayashi M., Kovaleva M., Mashruk S., Colson S.</b>	<b>W13-04</b> Catalytic Decomposition on HAN Aqueous Solution with Hexaaluminates in a Pressurized Vessel <b>Lao K.-I., Wu M.-H., Chou Y.-T.</b>	<b>W2-01</b> A Comparison Of Color-Ratio Pyrometry And Light Extinction Techniques For Estimating Sooting Propensities Of Novel Cage Hydrocarbon Propellants <b>Kumbhakarna N., Sankaranarayanan A., Lal S., Chowdhury A., Namboothiri I.</b>	<b>W7-04</b> Computational singular perturbation analysis of detonation development and intensity at St engine conditions <b>Dimitrova I., Luong M.B., Sanal S., Im H., Tingas E.-A.</b>	<b>W12-10</b> Experimental Investigation Of Acoustics Damping In A Model Rocket Chamber <b>Chandran V., Varunkumar S.</b>	<b>W6-17</b> Pseudo-Potential Lattice-Boltzmann Model To Determine Real Fluid Properties <b>Restrepo Cano J., Im H., Hernandez Perez F.</b>	
16:30-16:50		<b>W4-27</b> Non-Premixed Ignition Of Dimethyl Ether By Hot Air Under Engine-Relevant Conditions <b>Chen X., Chen Z., Li Z., Dai P.</b>	<b>W13-05</b> Dynamic Flame Behaviors in Bunsen Burner under DC Electric Fields Applied Radial Direction <b>Juwon P.</b>	<b>W2-02</b> Effects of flame curvature on soot formation in SF and SFO counterflow diffusion flames <b>Kalbhor A., Van Oijen J.</b>	<b>W7-05</b> Critical Decay Rate in Noble-Abel Gas <b>Mével R., Huang X., Weng Z.</b>	<b>W12-11</b> Experimental Study Of Vortex-Flame Interaction In A Stratified Swirling Flame <b>Sirul W., Zheng J., Liu X., Li L., Qi F., Han X., Zhang C.</b>	<b>W6-18</b> Single-Droplet Combustion of Heavy Fuel Oil/Water Emulsions <b>Campuzano Dios F., Saxena S., Al Barakati E., Al Gahtani M., Jiang L., Roberts W., Al Ghamdi J., Al Ahmadi K.</b>	
16:50-17:10		<b>W4-28</b> Numerical Investigation On Flame Stability Of Backward Facing Three Step Microcombustor <b>Kolekar H., Kumar S., Balakrishnan A.</b>	<b>W13-06</b> Electric and plasma ignition of green ionic liquid multi-mode monopropellant <b>Tang Y., Li S., Wang Z., Yan H., Li S., Yao Z.</b>	<b>W2-03</b> Experimental research on the effects of N <sub>2</sub> and CO <sub>2</sub> dilutions to the sooting tendencies in laminar diffusion flames of anisole up to 1.8 bar <b>Zhou L., Shi D., Zhang Z., Huang Y., Wang W.</b>	<b>W7-06</b> Critical Pressure Pulse Width for Ignition/Huagong of a Dimethyl ether-Air Mixture <b>Tan Y., Li Z., Huang X., Mével R.</b>	<b>W12-12</b> Feature Extraction Based Thermoacoustic Instability Detection In A Partially Premixed Combustion Chamber Using Machine Learning Models <b>Mariappan S., Kumar A., Sai Kiran G., Janakratana R.</b>	<b>W6-19</b> Uncertainty quantification in RANS of LOX-CH <sub>4</sub> pinile injector <b>Liberatori J., Galassi R., Luzzi D., Valorani M., Ciottoli P.</b>	
17:10-17:30		<b>W4-29</b> Numerical study of premixed flames propagating in half-open tubes <b>Ting S.</b>	<b>W13-07</b> Experimental investigation on non-thermal plasma ignition process of swirl premixed and non-premixed flames <b>Ju R., Huang Z., Mu H., Wang J., Zhang G., Yu J.</b>	<b>W2-04</b> Investigating the sooting behaviours of DCPD And JP-10 via Droplet Combustion <b>Kumbhakarna N., Rajan Y., Chowdhury A., Sankaranarayanan A.</b>	<b>W7-07</b> Critical Pressure Pulse Width for Ignition of a Hydrogen-Air Mixture <b>Mével R., Li Z., Tan Y., Huang X.</b>	<b>W12-13</b> Hot-firing tests of single-element thrust chamber manufactured by SLM process <b>Kang C., Ahn J., Lee K., Han S.W., Ahn K., Lim H.-Y., Lee D., Hwang D.</b>		
17:30-17:50		<b>W4-30</b> Pressure Effects on Propagation Velocities of Laminar Lifted Flames in a Non-premixed Jet of the Mixture of Propane and Methane <b>Hwang G.J., Kim n.T.</b>	<b>W13-08</b> Experimental Study on the Occurrence of Thermoacoustic Instability in a Rijke-type System with Distributed heat source <b>Li X., Wang N., Wang Y., Xu B., Xi Y.</b>	<b>W2-05</b> On the effects of ammonia on PAH and soot formation in laminar methane flames <b>Ahmed H., Steinmetz S., Masri A., Roberts W., Rovette W., Dunn M.</b>	<b>W7-08</b> Effect of a step increase in the duct section during H <sub>2</sub> -air detonation propagation <b>Rojas Chavez S.B., Chatelain K., Guiberti T., Lacoste D.</b>			
18:30-21:00	<b>Gala Dinner</b> <b>Venue: Beach Garden @ West Bay Corniche (opposite to the Radisson Blu Abu Dhabi Corniche Hotel)</b> <b>(Transportation will be provided from Grand Stand Parking area)</b>							

Day	Time	Room 1 Laminar Flames Session Chair: Ashraf Al-Khateeb	Room 2 New Concepts Session Chair: Yiyang Zhang	Room 3 Gas-Phase Reaction Kinetics Session Chair: Mohammed Alabbad	Room 4 Detonations, Explosions, and Supersonic Combustion Session Chair: Wei Fan	Room 5 Gas Turbine and Rocket Engine Combustion Session Chair: Guoqing Wang	Room 6 Fire research Session Chair: Huahua Xiao
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Thursday 09-12-2021	8:15-9:00	<b>Keynote 7</b> <b>Zheng Chen</b> Title: Flame Initiation and Detonation Development in a Gaseous Premixture Session Chair: Dimitris Goussis						
	9:10-9:30	<b>Th4-31</b> Propagation of a laminar premixed NH <sub>3</sub> /air flame in a rich-to-lean stratified mixture <b>Tomidokoro T., Yokomori T., Im H.</b>	<b>Th13-09</b> Kinetic Insights Into Plasma Assisted Low Temperature Oxidation Of Propane With Synchrotron Photoionization Mass Spectrometry <b>Yano B., Chen H.</b>		<b>Th7-09</b> Effect of Low-Temperature Chemistry on Direct Detonation Initiation <b>Mével R., Huang Z., Faghli M.</b>	<b>Th12-15</b> Ignition Of 100% Ammonia In A Swirling Burner For A 50 Kw-Class Micro Gas Turbine <b>Fan Y., Ohtomo M., Kasuga S., Iki N., Kojima H., Tsujimura T., Kurata O., Furutani H.</b>	<b>Th9-08</b> Experimental Study of Ignition Criteria for Self-sustained Smouldering Peat <b>Cui W., Rein G., Hu Y.</b>	
	9:30-9:50	<b>Th4-32</b> Second Law Thermodynamics Analysis on Premixed Counterflow Methane/Air Flames <b>Wu C.-Y., Yu C.-R.</b>	<b>Th13-10</b> Nonlinear Dynamic Analysis Of The Transition From Mild Regime To Thermoacoustic Instability In A Reverse Flow Combustor <b>Dolai A., Badhuk P., Pramanik S.</b>		<b>Th7-10</b> Exploring The Definition Of Excitation Time In Detonation Processes <b>Gorbatenko I., Sarathy M., Singh E.</b>	<b>Th12-16</b> Numerical Investigation Of Non-Reacting And Reacting Flow In A Model Gas Turbine Afterburner <b>Manickam M., Varunkumar S.</b>	<b>Th9-09</b> Extinction Behavior Of Methane And Ethylene Coflow Laminar Non-Premixed Flame In Reduced Oxygen Concentration <b>Singhal S., Panda P.</b>	
	9:50-10:10	<b>Th4-33</b> Study on Ultra-Diluted Diffusion Combustion Using Swirling Counterflow Jet Burner <b>Jiang Y., Nishioka M.</b>	<b>Th13-11</b> On the Oxidation of Methane on Supported and Unsupported Pt and Pd Catalysts <b>Marei M., Li Z., Masri A., Montoya A.</b>		<b>Th7-11</b> Flame Acceleration And Transition To Detonation In Narrow Channels <b>Liu D., Liu Z., Xiao H.</b>	<b>Th12-17</b> Obtaining the Cold-Flow Transfer Function Inside a Partially Premixed Combustor using Large Eddy Simulation <b>Nam J., Yoh J.J.</b>	<b>Th10-18</b> Flame Extension Length of Ceiling Jet Driven by Strong Fire Plume in a Closed Utility Tunnel <b>Liu H., Geng D., Ye K., Yang L.</b>	
	10:10-10:30	<b>Coffee Break</b>						
	10:30-10:50	<b>Th4-34</b> Suppression and Delay on Transition to Secondary Acoustic Instability by External Heat Losses in Quarter Wavelength Resonator <b>Juwon P.</b>	<b>Th13-12</b> Parametric Studies on Electrolytic Decomposition of HAN Solution <b>Sun D., Dai Q., Meng H., Chai W.S.</b>		<b>Th7-12</b> Implementation Of A State-To-State 2nd Model Part 1: Thermodynamics And Validation <b>Vargas J., Mével R., Lacoste D., Lino da Silva M.</b>	<b>Th12-18</b> On Simultaneous Flame Enhancement and NO <sub>x</sub> Control in Liquid Ammonia Spray Combustion in a Micro Gas Turbine Combustor <b>Okafor E., Ito S., Yamashita H., Hayakawa A., Kobayashi H., Iki N., Inoue T., Kurata O., Tsujimura T., Uchida M.</b>	<b>Th9-11</b> Flame Inhibition By Aqueous Solution Of Alkali Salts In Methane And LPG Laminar Diffusion Flames <b>Badhuk P.</b>	
	10:50-11:10	<b>Th4-35</b> Thermal and Chemical Analysis on Near-Wall Flames Under Flow Pulsations <b>Li H., Chen Z.</b>	<b>Th13-13</b> Plasma-Assisted Stabilization Of Premixed Swirl Flames Under Flow Pulsations <b>Sun J., Cui W., Tang Y., Li S., Wu H., Li S.</b>		<b>Th7-13</b> Implementation Of A State-To-State 2nd Model Part 2: Extension To O <sub>2</sub> <b>Vargas J., Mével R., Lacoste D., Lino da Silva M.</b>	<b>Th12-19</b> POD modal analysis of combustion instability in a coaxial shear injector based on LES <b>Mengcheng Y., Nanjia Y., Zhang Y., Wang P., Cheng K.</b>	<b>Th9-12</b> Full-scale Experiments of Flame Spread over Building Façade Materials under the Constraint of Sidevents <b>Yang L., Yuan M., Wang D., Ju X.</b>	
	11:10-11:30	<b>Th8-16</b> Thermal Decomposition Behaviour Of Metallized Electrically Controlled Solid Propellants <b>Gnanaprakash K., Yang M., Yoh J.J.</b>	<b>Th13-14</b> Selective Aerobic Oxidation of Hydrocarbon Using NHP1 Catalyst for Cetane Number Enhancement <b>Altaher M., Kalamaras C., Alqahtani M.</b>	<b>Room 3 New Concepts Session Chair: Yiyang Zhang</b>	<b>Room 4 Detonations, Explosions, and Supersonic Combustion Session Chair: Wei Fan</b>	<b>Room 5 Gas Turbine and Rocket Engine Combustion Session Chair: Guoqing Wang</b>	<b>Room 6 Fire research Session Chair: Huahua Xiao</b>	
	11:30-11:50	<b>Th8-17</b> Thermal Runaway In The Thermal Energy Storage System <b>Oh J., Yoh J.J.</b>	<b>Th13-15</b> Thermochemical Characterization Associated with Combustion and Exothermic Behavior of Palm, Neem, Jatropa, Karanj and Castor Oil Biofuels <b>Ali M., Almazrouei M.</b>		<b>Th7-14</b> Modeling of Raman Scattering under Detonation Conditions <b>Mével R., Huang Y., Tan Y., Peng H.</b>	<b>Th12-20</b> Screening and Theoretical Analysis of Blended Green Monopropellant Candidates <b>Grewal P., Ambekar A.</b>	<b>Th9-13</b> Numerical Investigation Of The Limiting Oxygen Concentration Of Flame Spreading Over Polyethylene Insulated Nicr Wire In Microgravity <b>Pelletier B.</b>	
	11:50-12:10	<b>Th8-18</b> Transition from opposed flame spread to stabilized combustion in PMMA solid fuel tube <b>Fukada M., Suzuki S., Landon K., Kalen R., Nagata H., Wakita M., Maebayashi H.</b>	<b>Th13-16</b> Undiluted Kinetic Study Of The Plasma Assisted Oxidation Of H <sub>2</sub> <b>Snoeckx R., Cha M.S., Jun D., Lee B.J.</b>		<b>Th7-15</b> Numerical Simulations of Wedge-Induced Oblique Detonation Combustion in n-Heptane/Air Mixtures <b>Guo H., Zhang H., Li S.</b>	<b>Th12-21</b> Structure of Non-Premixed Hydrogen-Oxygen Impinged Jet Flame under Elevated Pressure and Flow Rates <b>Shehab H., Fan Y., Iki N., Kurata O., Tsujimura T., Furutani H.</b>	<b>Th9-14</b> Numerical Study On The Fire-Induced Ceiling Flow Thickness Considering The Cross-Sectional Aspect Ratio Of A Compartment <b>Kimura A., Suga R., Oka H., Oka Y.</b>	
	12:10-12:30	<b>Th8-19</b> Visualization of the Flame Structure of Single Coal Particle in the High Temperature Region Formed by Hydrogen/Air Diffusion Flame <b>Sawada S., Hayashi J., Tainaka K., Akamatsu F., Hori T., Nakatsuka N.</b>		<b>Room 3 New Concepts Session Chair: Yiyang Zhang</b>	<b>Room 4 Detonations, Explosions, and Supersonic Combustion Session Chair: Wei Fan</b>	<b>Room 5 Gas Turbine and Rocket Engine Combustion Session Chair: Guoqing Wang</b>	<b>Room 6 Fire research Session Chair: Huahua Xiao</b>	
	12:30-12:50				<b>Th7-16</b> Forced Ignition Modeling of Hydrocarbon Mixture Fuel in Scramjet Combustors <b>Ogawa S., Tomioka S., Kobayashi K.</b>	<b>Th12-22</b> Symmetric and helical instability modes in a non-premixed swirl burner <b>Ren Y., Qi F., Xia X.</b>	<b>Th9-15</b> On The Effects Of Surface Curvature And Relative Gas Flow Velocity On The Opposed Flame Spread And Radiation Extinction Over A Thermally Thin Cylinder <b>Konno Y., Hashimoto N., Fujita O.</b>	
	13:00 onwards				<b>Th7-17</b> Unsteady One-dimensional Detonation Driven by an Oscillating Lotka-Volterra Chemical Scheme <b>Mével R., Faghli M.</b>	<b>Th12-23</b> Suppression and Delay on Transition to Secondary Acoustic Instability by External Heat Losses in Quarter Wavelength Resonator <b>Juwon P.</b>	<b>Th9-16</b> Simulation of Smouldering Peatland Fires Using Cellular Automata <b>Purnomo D., Rein G.</b>	
	<b>Farewell Lunch</b> <b>Venue: Khalifa University, Abu Dhabi</b> <b>(Transportation will be provided from Grand Stand parking area)</b>							