

INTERNATIONAL COMBUSTION SYMPOSIUM

DRAFT SCHEDULE

08 SEPT. 2022 THURSDAY-1st DAY / FIRST SESSION

Registration (08:30-09:30)

TULIP HALL

OPENING CEREMONY AND WELCOME SPEECH - (09.30-10.00)
PROF. DR. NAFİZ KAHRAMAN, CONFERENCE CO-CHAIR
ASSOC. PROF. DR. ERDİNÇ VURAL, CONFERENCE CHAIR
PROF. DR. HAKAN SERHAD SOYHAN, CHAIR OF THE TURKISH SECTION
PROF. DR. OSMAN SELÇUK ALDEMİR, RECTOR

<https://meeting.mkcelikbas.com/b/inc-j2v-ul4-yb2>

PLENARY SPEECH (10.00-10.30)

PROF. DR. ALİ CEMAL BENİM, Duesseldorf University of Applied Sciences

<https://meeting.mkcelikbas.com/b/inc-t2r-qxj-rby>

Coffee Break (10:30-10:45)

TULIP HALL / FACE TO FACE			LILY HALL / HYBRID			DAISY HALL / ONLINE		
1. Session: COMBUSTION (10:45-12:00) Session Chair: Prof. Dr. HAKAN SERHAD SOYHAN			2. Session: ALTERNATIVE FUELS (10:45-12:00) Session Chair: Prof. Dr. MUSTAFA İLBAŞ			3. Session: SPRAY-INJECTION (10:45-12:00) Session Chair: Prof. Dr. NAFİZ KAHRAMAN		
https://meeting.mkcelikbas.com/b/inc-356-0gx-4fx			https://meeting.mkcelikbas.com/b/inc-h3v-uxz-fi4			https://meeting.mkcelikbas.com/b/inc-v8r-ole-cel		
10:45-11:00	OP-2022-xMPSWEIN Investigation of Early Intake Valve Closing Strategy and Exhaust Gas Recirculation (EGR) on PCCI Engine Operation	Cengizhan Cengiz Salih Özen Ünverdi	10:45-11:00	OP-2022-D6vJS9EX Experimental investigation of the effects of gasoline, methanol and natural gas fuel on engine performance and emissions in a gasoline engine	Talip Akbiyik, Nafiz Kahraman, Tolga Taner	10:45-11:00	OP-2022-AGBCCO Comparison of Spray Characteristics, Swirling Motion and Flame Development for Multi-Circular Jet and Swirl Plates	Shahrin Hisham Amirnordin, Amir Khalid, Norshuhaila Mohamed Sunar, Mas Fawzi Mohd Ali, Azwan Sapit, Muhammad Ridzwan Kamaruddin, Syabillah Sulaiman, Hasan Koten
11:00-11:15	OP-2022-COTWIN Influence Of Air-Fuel Ratio On The Combustion And Performance Characteristics Of A Wankel Engine For Unmanned Aerial Vehicle (Uav) Applications	Merve Küçük, Ali Sürmen, Ramazan Şener	11:00-11:15	OP-2022-XHDMSY Systematic Study Of Friction Modifiers For Motor Gasoline, Their Structure, Mechanism Of Action, Efficiency Evaluation And Role In The Production Of Modern Fuel	Vsevolod D. Savelenko, Mikhail A. Ershov, Nikita A. Klimov, Nikita O. Burov, David R. Aleksanyan, Alisa E. Makhmudova1, Tamer M.M. Abdellatief, Andrey A. Pimenov, Kirill A. Ovchinniko, Ekaterina V. Podlesnova, Alexey V. Nizovtsev	11:00-11:15	OP-2022-V3ICIN Investigation Of The Effect Of Diesel Injector Nozzle Geometry On Coking Phenemona	O. Özener, A.Ergenç A.Kaya, V. Gazi
11:15-11:30	OP-2022-0DYSa2DY Dynamic Flame Behavior Of 30%H2 30% CO 20% CO2 20% CNG Synthetic Gas Mixture During Acoustic Forcing	Ömer Çam Harun Yılmaz Ilker Yılmaz	11:15-11:30	OP-2022-o0n3SAEX Experimental Analysis Of A Hydrogen/Diesel Dual Fuel Test Case Via Ir Imaging	C. Allouis, E. Mancaruso, R De Robbio, B.M. Vaglieco	11:15-11:30	OP-2022-pmZlthCO Combined Effects Of Hydrogen Fuel Addition And Egr Application In A CRDI Compression Ignition Engine Fueled With Dme Under Homogeneous Charge Compression Ignition (HCCI) Mode: A Pathway To Achieve Ultra-Low Emissions Along With Energy Efficiency Improvement With Controlled Auto-Ignition	Anilkumar Shere, K. A. Subramanian

11:30-11:45	OP-2022-UdaCPHAN An Experimental Investigation Of Oxygenated Fuels Blending Effect On Gasoline Engine Performance And Emissions	Mehrez Gassoumi, Zouhair Boutar, Ridha Ennetta, Hakan Serhad Soyhan	11:30-11:45	OP-2022-Y9QKTH The effect of addition H, H+OH and H+OH+O2 from the intake manifold on combustion parameters in a CI engine using diesel/di ethyl ether as pilot fuel	Salih Özer, Erdinç Vural	11:30-11:45	OP-2022-8R3cL0TH The Effect of Multiple Injection on CI Engine Pollutant Emissions and Green House Gases	Arda Albayrak, Onur Gezer, Orkun Özener, Cihan Büyük, Muammer Özkan
11:45-12:00	OP-2022-PWCBTH The Comparison Of Quasi-Steady Evaporation Models In A Swirl Stabilized Combustion Chamber	Deniz İmamoğlu, Özgür Ertunç, Altuğ M. Başol, M.Pınar Mengüç	11:45-12:00	OP-2022-vEflieEX Experimental And Computational Premixed Laminar Flame Propagation Studies For Hydrogen Containing Fuels	T.B. Kıymaz, D. Gülerüz, C. Allouis, İ. Gökalp, E. Saday, M. Karaca, B. Yılmaz, O. Kaya, O.C.Kocaman, S. Gümrük, B. Yazıcı, B. Sümer, F. Coşkun	11:45-12:00	OP-2022-c4zzKPEF Effects Of Fuel Injection Mechanism And Fuel Injection Angle On The Combustion Characteristics Of A Parallel Cavity Scramjet Combustor	Namrata Bordoloi, Krishna Murari Pandey, Kaushal Kumar Sharma
LUNCH								

08 SEPT. 2022 THURSDAY-1st DAY / SECOND SESSION

TULIP HALL / FACE TO FACE			LILY HALL / HYBRID			DAISY HALL / ONLINE		
4. Session: HYDROGEN AND FUEL CELL (13:15-14:30) Session Chair: Prof. Dr. ALİ SÜRMEŒ			5. Session: MODELLING AND SIMULATION (13:15-14:30) Session Chair: Prof. Dr. İSKENDER GÖKALP			6. Session: GENERAL (13:15-14:30) Session Chair: Prof. Dr. ALİ CEMAL BENİM		
https://meeting.mkcelikbas.com/b/inc-50y-lns-mas			https://meeting.mkcelikbas.com/b/inc-3pd-rtslqn			https://meeting.mkcelikbas.com/b/inc-rle-hch-nb8		
13:15-13:30	OP-2022-07SnmMNU Numerical Study On The Performance Of A Flat-Tubular Solid Oxide Fuel Cell: Describing The Best Furnace/Combustion Chamber Geometry And Combustion Technique	Fethi Mustafa Çimen, Serhat Karyeyen, Mustafa İlbaş	13:15-13:30	OP-2022-jxKhsVNU Numerical Study On Impact Of Combustor Metrics Of Turboprop Engine Used In Air Freighter	Mehmet Kirmizi, Hakan Aygun, Onder Turan	13:15-13:30	OP-2022-WA6BIN Investigation of the effects of different rates of hexane blended fuel utilized in a ceramic coated diesel engine on HC, NOx and Smoke Opacity by Taguchi method	Erdinç Vural, Salih Özer, Serkan Özel, Murat Binici
13:30-13:45	OP-2022-WIU8uA A Parametric Study To Optimize The Temperature Of Hazelnut And Walnut Shell Gasification For Hydrogen And Methane Production	H. Öztan, İ. Koçyiğit Çapoğlu, D. Uysal, Ö. M. Doğan	13:30-13:45	OP-2022-ON3imRTH Three Dimensional Numerical Investigation Of Flow And Combustion Characteristics In An Ammonia Fueled Multi-Inlet Cyclone Combustor	Mustafa İlbas, Assem Yerzhan, Mustafa Demirci	13:30-13:45	OP-2022-X2B1S4SY Synthesis of Pt/rGO Cathode Catalysts for PEM Fuel Cells through Polyol and Colloidal Methods	Tolga Kaan Kanatli, Nezihe Ayas
13:45-14:00	OP-2022-6B3FTH The Effect Of Different Charging Concepts On Hydrogen Fueled Internal Combustion Engines	İlker Güler, Onur Barış, Anıl Yaşgöl, Abdullah Kılıçaslan	13:45-14:00	OP-2022-YemFALTH The Numerical Study On Co-Firing Of Biomass-Coal Blends In 100 Kw Lab-Scale Swirl Flame	Cansu Deniz Canal, Yakup Erhan Boke, Ali Cemal Benim	13:45-14:00	OP-2022-dj8UZ2FR Fragmentation of droplets of coal-water slurries containing petrochemicals under different heating methods	D.V. Antonov, O.V. Vysokomornaya, K.Y. Vershinina, G.V. Kuznetsov, P.A. Strizhak
14:00-14:15	OP-2022-NAHAEF Effects Of Hydrogen Enrichment Strategy On Combustion And Emissions In A Gasoline Fuelled Rotary Engine	Merve Küçük, Ali Sürmen, Ramazan Şener	14:00-14:15	OP-2022-PRFJCH Characterization Of A Partially Premixed Swirl Burner Using Openfoam Simulations With A Global Chemical Kinetics Mechanism	Emre Böncü, Dilay Gülerüz, Tahsin Berk Kıymaz, İskender Gökalp	14:00-14:15	OP-2022-ZJQTIN Investigations of Flame Characteristics of LPG Used in Three Different Size Household Cookers	Berkay Şahin, Nimeti Doner, Mustafa İlbas
14:15-14:30			14:15-14:30	OP-2022-ILOIAN An Analysis of a Heavy-Duty Diesel Truck Powertrain System Hybridization	Yücel Karaca, Hasan Kubilay Yiğit, Caner Bayburtlu, Orkun Özener	14:15-14:30		
Coffee Break (14:30-14:45)								

08 SEPT. 2022 THURSDAY - 1st DAY / THIRD SESSION

TULIP HALL / FACE TO FACE			LILY HALL / HYBRID			DAISY HALL / ONLINE		
7. Session: COMBUSTION-SPRAY-INJECTION (14:45-16:00) Session Chair: Dr. RIDHA ENNETTA			8. Session: TUBULENCE-SWIRL (14:45-16:00) Session Chair: Prof. Dr. MOHAMMAD RAFIQ KHAN			9. Session: GENERAL (14:45-16:00) Session Chair: Prof. Dr. NEZIHE AYAS		
https://meeting.mkcelikbas.com/b/inc-xrs-gw6-h4o			https://meeting.mkcelikbas.com/b/inc-6ln-dia-iqh			https://meeting.mkcelikbas.com/b/inc-zc5-te5-pdc		
14:45-15:00	OP-2022-Y0PXA A Study On Capturing Acoustic Behaviour In Confined Tube Combustion Using Optical Technique	S.P. Choudhury, S. Sasidharan, R. Joarder	14:45-15:00	OP-2022-VaiVyqST Study On OH* Chemiluminescence Of NH3/Air Swirl Flame	Danan Chen, Jun Li, Xing Li, Yijun Guo, Hongyu Huang, Noriyuki Kobayashi	14:45-15:00	OP-2022-TkbyLYQU Qualitative Visualization of Butane and Helium Tracers in Air using a Digital Background-Based Schlieren Method	Frank Ulrich Rückert, Dirk Hübner, Daniel Lehser-Pfeffermann, Alexander Hamman
15:00-15:15	OP-2022-AVPH4wIN Investigation Of Soot Formation Of Swirl-Stabilized Jet A-1 Spray Flame With Rank Correlated Slw Including Ethylene And Acetylene Radiation	Berkay Halvaşı, Altuğ M. Başol, Özgür Ertunç, M. Pınar Mengüç	15:00-15:15	OP-2022-TPOPOP Three-Dimensional Modelling Of Ammonia_Methane_Air Turbulent Flames In A Generated Perforated Burner And Furnace	Murat Şahin, Mustafa İlbaş	15:00-15:15	OP-2022-HXJQSY Synthesis of Bentonite Supported Ni and Ni-La Catalysts for the Steam Reforming of Acetic Acid	Damla Dumlu, Ecem Ceylan, Merve Bayraktar, Serkan Karadeniz, Tolga Kaan Kanatlı, Nezihe Ayas
15:15-15:30	OP-2022-uSvAAOCH Char reactivity assessment of high ash coal in packed bed environments - Experimental investigations	Shirish Kumar Sharma, Anand M Shivapuji, S. Dasappa	15:15-15:30	OP-2022-KBfRITCO Combustion Characteristics And Kinetics Of Blends Of Lignite With Eggshell	Sena Erkent, Sema Yurdakul, Barış Gürel, Karani Kurtuluş, Savaş Özün	15:15-15:30	OP-2022-G5nYE8PY Pyrolysis And Combustion Characteristics Of Tea Stalk Lignin: Effect Of Organosolv And Sequential Hydrothermal-Organosolv Pretreatments	S. Başakçılardan Kabakci, B. Karakurt Çevik, G.S. Baş Berkem
15:30-15:45	OP-2022-WXQ7EN Energy Recovery From Spent Coffee Ground And Brewery Spent Grains: A Circular Economy Approach To Waste Valorization	I. Idowu, L.J.R. Nunes, K.S Hashim, A. Shaw	15:30-15:45	OP-2022-DT9nYVSW Swirler Effects On Colorless Distributed Combustion Using Methane Flame	A. İlbaş, M. B. Öztürk, S. Karyeyen	15:30-15:45	OP-2022-NwqoymNE New Approach To Evaluating The Functional Properties Of Detergent Additives For Motor Gasoline	Vsevolod D. Savelenko, Mikhail A. Ershov, Nikita A. Klimov, Nikita O. Burov, David R. Aleksanyan, Ulyana A. Makhova, Tamer M.M. Abdellatif, Andrey A. Pimenov, Kirill A. Ovchinnikov, Ekaterina V. Podlesnova, Alexey V. Nizovtsev
15:45-16:00			15:45-16:00	OP-2022-RDZDtORA RANS studies of minimum ignition energy of stoichiometric laminar methane/air fuel mixtures	Vasudevan Sooraj PM, Muppala Siva PR, Vendra C. Madhav Rao, Heidari Ali, Dembele Siaka	15:45-16:00	OP-2022-DSBYAN Analysis Of Cross-Flow Tube Bank Economizer-Assisted For H2S	Murat Şahin
END OF FIRST DAY – FREE TIME								

09 SEPT. 2022 FRIDAY-2nd DAY / FIRST SESSION

TULIP HALL

PLENARY SPEECH (09.15-09.45)

PROF.DR. HAKAN SERHAD SOYHAN

<https://meeting.mkcelikbas.com/b/inc-nip-dqs-qkg>

Coffee Break (09:45-10:00)

TULIP HALL / FACE TO FACE			LILY HALL / HYBRID			DAISY HALL / ONLINE		
10. Session: GENERAL (10:00-11:00) Session Chair: Dr. ALIYA FAZAL https://meeting.mkcelikbas.com/b/inc-upt-gwn-3w7			11. Session: ALTERNATIVE FUELS (10:00-11:00) Session Chair: Dr. ORKUN ÖZENER https://meeting.mkcelikbas.com/b/inc-wk6-pzh-om2			12. Session: COMBUSTION (YANMA) (10:00-11:00) Session Chair: Dr. ERDİNÇ VURAL https://meeting.mkcelikbas.com/b/inc-b4i-rta-lev		
10:00-10:15	OP-2022-cpgFfNAN An Application Of The Low-Great Heat Of Recycling Water Of Food Industry Enterprises For Electric Generation	Viktoriia Karnaukh, Hakan Serhad Soyhan, A.B. Buryukov, V.V. Varakuta	10:00-10:15	OP-2022-1THOIN Influence of EGR and metal nano additives on engine characteristics of CRDI engine powered by plastic pyrolysis oil	S.Gowthaman, A.I. Anu Karthi Swaghatha, K Thangavel, GK. Hariharan, A.Lokesh	10:00-10:15	OP-2022-J9oeEGDİ Dizel-Bor Türevi Karışımlarının Damlacık Yanma Davranışlarının İncelenmesi	Ahmet Alper Yontar, Mert Şevket Biçer
10:15-10:30	OP-2022-DCJEJE Geochemical Analysis and Desulfurization of Black Gold for Sustainable Use in Thermal Energy Sector	Aliya Fazal	10:15-10:30	OP-2022-FBIKgTA A study on endothermic, heat recovery, heat release and emission characteristics of ammonia-biodiesel fuel combustion	Ridwan Saputra Nursal, Amir Khalid, Norrizam Jaat, Iqbal Shahridzuan Abdullah, Nur Syuhada Mohd Yaacob, Muhamad Asri Azizul, Azwan Sapit, Hasan Koten	10:15-10:30	OP-2022-959vHMHİ Hidrojen Kullanılan Bir Dizel Motorda Çevrimsel Yanma Değişimlerinin İncelenmesi	A. Şanlı, I.T. Yılmaz
10:30-10:45	OP-2022-yylsZpDİ Disposal of Rice Straw and Its Conversion Into Fermentable Sugar and Ethanol by Acid, Alkali, Enzymatic and Biological Treatments	Mohammad Rafiq Khan, Rabia Batool	10:30-10:45	OP-2022-BSux0SCO Comparison Of Different Origin Biodiesel Fuels' Some Critical Fuel Properties And Fatty Acid Compositions	F. Yasar, H. Sanli	10:30-10:45	OP-2022-q0jy92HO Homojen Dolgulu Sıkıştırma Ateşlemeli Bir Motorda Hafif Nafta-Benzin Karışımı Kullanımının Motor Performansı Ve Emisyonlarına Etkisi	S. Çelebi, U. Demir, C. Haşimoğlu
10:45-11:00			10:45-11:00	OP-2022-7G1SMİ Microwave Assisted Biomass-Based Electrode Material Production for Supercapacitor Applications	Musa Altınışık, Tülin Avcı Hansu, Murat Akdemir	10:45-11:00	OP-2022-xSvnFxFA Düşük Girdap Üreteçli Brülörün Kullanıldığı Bir Doğalgaz Kazanında Yanma Ve Emisyonların Numerik İncelenmesi	M.S. Cellek, A. Pınarbaşı, G. Coskun
11:00-11:15			11:00-11:15			11:00-11:15	OP-2022-LZAYEX Ağır Hizmet Tipi Bir Dizel Motorda Dizel Ve Doğalgaz Karışımlarının Motor Performansı Ve Egzoz Emisyonları Üzerine Etkilerinin Deneysel İncelenmesi	Volkan Sabri Kül, Selahaddin Orhan Akansu

Coffee Break (11:00-11:15)

09 SEPT. 2022 FRIDAY-2nd DAY / SECOND SESSION

TULIP HALL / FACE TO FACE			LILY HALL / HYBRID			DAISY HALL / ONLINE		
13. Session: ALTERNATIVE FUELS (11:15-12:30) Session Chair: Prof. Dr. S. ORHAN AKANSU			14. Session: COMBUSTION-INJECTION (11:15-12:30) Session Chair: Dr. MURAT ŞAHİN			15. Session: HYDROGEN FUEL AND FUEL CELL (11:15-12:30) Session Chair: Dr. TOLGA TANER		
https://meeting.mkcelikbas.com/b/inc-mkx-r99-xqo			https://meeting.mkcelikbas.com/b/inc-rox-rab-lko			https://meeting.mkcelikbas.com/b/inc-43l-vl1-3xo		
11:15-11:30	OP-2022-N04UEX Experimental Investigation Of Diesel-Biodiesel-Ethanol Blends On A Compression Ignition Engine Performance	F. Hamdi, I. Yahya, Z. Bouttar, R. Ennetta, H.S. Soyhan	11:15-11:30	OP-2022-VMPQEF Effects of Equivalence Ratio and Spray Characteristics of Multi-Hole Nozzle in Burner System	Shahrin Hisham Amirnordin, Amir Khalid, Izzuddin Zaman, Syabillah Sulaiman, Muhammad Ridzwan Kamaruddin, Syahrullail Samion, Hasan Koten	11:15-11:30	OP-2022-MM5İMİ Microwave-assisted synthesis of Pt/C catalyst at high temperatures for PEM fuel cells	Serkan Karadeniz, Nezihe Ayas
11:30-11:45	OP-2022-4WCVIN Influence of Two-Stage Fuel Injection Timing for Combustion and Emissions under Different Engine Loads in a Direct Injection Diesel Engine	H. Enes Fil, S. Orhan Akansu	11:30-11:45	OP-2022-CUYy0CDE Designing A New Bell-Type Primary Air Nozzle For A Large-Scale Circulating Fluidized Bed Boilers	Mustafa Metin Çam, Cenk Çelik, Mansour Al Qubeissi, Hakan Serhad Soyhan	11:30-11:45	OP-2022-0HyCyyEV Evaluation Of the Effect of System Parameters on Hydrogen Production İn Steam-Methane Reformers	Kubilay Bayramoglu, Can Coskun, Zuhul Oktay
11:45-12:00	OP-2022-3cc7kzTY Tyre Pyrolytic Oil Blends In A State Of The Art Compression Ignition Engine: Towards Fuel-Optimized Combustion	J. Hunicz, M. Mikulski	11:45-12:00	OP-2022-43MGEF Effective utilization of lemongrass biodiesel blend in a CRDI engine with better engine characteristics using split injection system	S. Gowthaman, A.I. Anu Karthi Swaghatha, K Thangavel, GK. Hariharan, A.Lokesh	11:45-12:00	OP-2022-7QvQQ2DU Dunaliella Salina Microalgae Obtained as an Effective Material for Double Applications Supercapacitor and Hydrogen Production	Rıdvan Çetin, Mustafa Kaya, Murat Akdemir, Muhammet Ali Arserim
12:00-12:15	OP-2022-1WfcmxOP Optimization Of Hydrogen Production With Aluminium-Water Reactions	R. N. Mutlu, E. Eroğlu, J. Kandasamy, H. Ü. Toffoli, İ. Gökcalp	12:00-12:15	OP-2022-RUDB1jİM Impact Of A Wedge And Wavy-Wall Combustor Side Walls For Shock-Induced Mixing And Combustion For A Hydrogen Fueled Model Scramjet Combustor	Obula Reddy Kummitha, K.M.Pandey	12:00-12:15	OP-2022-xM5jbDUS Use Of Hydrogen-Biogas Mixture As Fuel In Common-Rail Diesel Engine With Thermal Barrier Coating	A. Şanlı, İ.T. Yılmaz, M. Akçay, M. Gümüş
12:15-12:30	OP-2022-pGoMkcA A Thermodynamic Approach To Calculate The Mean Turbulence Intensity Of CNG And Gasoline Fuels In A Research Engine	H.E. Doğan, A.Demirci, O.A.Kutlar, Ö.Cihan, H. Arslan	12:15-12:30	OP-2022-or5CXGSO Solar-Biomass Gasifier Stove	Rashid Iqbal Ansari, Ahmad Suhail	12:15-12:30	OP-2022-BHLMEX Experimental Investigation On Exploiting The Biofuels Blend And Improving Its Usability By Adding TiO2 Nanoparticles	Abdülvahap Çakmak

LUNCH

09 SEPT. 2022 FRIDAY-2nd DAY / THIRD SESSION**TULIP HALL****PLENARY SPEECH (14:30-15:00)****PROF.DR. NADİR YILMAZ****Coffee Break (15:00-15:15)****TULIP HALL / FACE TO FACE****LILY HALL / HYBRID****DAISY HALL / ONLINE****16. Session: COMBUSTION (YANMA) (15:15-16:15)****Session Chair: Dr. ERDİNÇ VURAL****17. Session: MODELLING AND SIMULATION (15:15-16:15)****Session Chair: Dr. NUREDDİN DİNLER****18. Session: FIRE (YANGIN) (15:15-16:15)****Session Chair: Prof. Dr. BİLGE A. ÇEPER**<https://meeting.mkcelikbas.com/b/inc-x3o-rp1-4el><https://meeting.mkcelikbas.com/b/inc-ifb-hcz-y9q><https://meeting.mkcelikbas.com/b/inc-hek-rcg-lee>

15:15-15:30	OP-2022-kVwhFtDE Detonasyon Motoruna Sahip Raketlerde Ön-Detonatorde Farkli Hidrojen-Karbon Oranina Sahip Yakitlarin Şok Dalgasi Üzerindeki Etkisinin Incelenmesi	Ahmet Alper Yontar, Mehmet Ali Adıgüzel	15:15-15:30	OP-2022-csbCfqEF Effect of metal oxide nano-additives on performance, emission and combustion characteristics of diesel engine powered by Lemongrass biodiesel	S. Gowthaman, A.I. Anu Karthi Swaghathab, K Thangavela	15:15-15:30	OP-2022-WdGLOITE Termik Santrallerde Yangin Güvenliğinin Bir Örnek Üzerinden Incelenmesi	Elif Çataklı, Ekrem Büyükkaya, Gökhan Coşkun
15:30-15:45	OP-2022-KMXGÇİ Çift Yakitli Doğalgaz-Dizel Bir Motorda Enjeksiyon Stratejisinin Performans Ve Emisyonlara Etkisinin Incelenmesi	Mustafa Deniz Altinkurt, Menno Merts, Martin Tunér, Ali Türkcen	15:30-15:45	OP-2022-FSQ5NU Numerical Investigation of Power Generation Performance of Planar Solid Oxide Fuel Cell at Different Operating Temperatures	Süleyman Altındal, Eren Gürkan Erol, Barış Gürel, Sema Yurdakul	15:30-15:45	OP-2022-c2suo9AL Alışveriş Merkezlerinde İnsanların Acil Durum Tahliye Davranışlarının Deneysel Ve Simülasyon Yöntemleriyle Incelenmesi	Koray Uluç, Gökhan Coşkun, Ekrem Büyükkaya
15:45-16:00	PP-2022-EQZHRE Reaktif Kontrollü Sikiştirme İle Ateşlemeli Bir Motorun Performans Ve Emisyon Parametrelerinin Incelenmesi	Ahmet Kaya, B. Albayrak Çeper, Nafiz Kahraman, S.Orhan Akansu	15:45-16:00	OP-2022-GmSqAZNU Numerical Investigation of Combustion and Flame Characteristics in a Swirl Burner/Furnace for a Model Thermoelectrical Generator(TEG) Performance	Mustafa Ilbas, Sumeyye Akyildiz, Serhat Karyeyen, Ahmet Aktas	15:45-16:00	OP-2022-TRdt0TYA Yaşlı Bakım Tesislerinde Yangin Sirasinda Bakima Muhtaç Kişilerin Tahliye Olanaklarının Bilgisayar Destekli Simülasyon Programi Ile Incelenmesi	Kerem Ilbay, Gökhan Coşkun, Ekrem Büyükkaya
16:00-16:15			16:00-16:15	OP-2022-2nGmnaCH Characteristics of the gas hydrates ignition process	O.S. Gaidukova, P.A. Strizhak	16:00-16:15	OP-2022-7VNOHA Hastane Binalarında Yangin Anında Kullanıcıların Tahliyesinin Simülasyon Destekli Incelenmesi	Furkan Kadı, Gökhan Coşkun, Ekrem Büyükkaya
16:15-16:30			16:15-16:30	OP-2022-LHLDEV Evaluation of Binary Nanoparticles to Oxygenated Fuel with Ethanol and n- Butanol on Combustion Behavior	Raşit Atelge Esenay Arslan, Nafiz Kahraman, Sebahattin Ünalın	16:15-16:30	OP-2022-bLyIHQEL Elektrikli Taşıtlarda Batarya Yangınlarına Genel Bakış	M.I. Karamangil, A. Sürmen, M. Tekin

END OF SECOND DAY – FREE TIME

10 SEPT. 2022 SATURDAY-3rd DAY / FIRST SESSION**TULIP HALL****PLENARY SPEECH (09.15-09.45)****PROF.DR. SHOUYIN (IAN) YANG, Chair of The Combustion Institute of ROC**<https://meeting.mkcelikbas.com/b/inc-r3o-ebb-wx8>**Coffee Break (09:45-10:00)****TULIP HALL / FACE TO FACE****LILY HALL / HYBRID****DAISY HALL / ONLINE****19. Session: FIRE (YANGIN) (10:00-11:00)****Session Chair: Dr. SALIH ÖZER****20. Session: ALTERNATIVE FUELS (10:00-11:00)****Session Chair: Dr. JACEK HUNICZ****21. Session: COMBUSTORS-FUELS (10:00-11:00)****Session Chair: Dr. DUYGU UYSAL**<https://meeting.mkcelikbas.com/b/inc-cis-tgl-u0j><https://meeting.mkcelikbas.com/b/inc-b3n-9ux-auc><https://meeting.mkcelikbas.com/b/inc-sak-kqf-snn>

10:00-10:15	OP-2022-EMSKÖZ Özgün Tasarimli Bir Endüstriyel Konveksiyonlu Firında Baca Gazı Atık Isı Geri Kazanımı	Z. Kahraman, M. Hacı, K. İçibal, H.S. Soyhan	10:00-10:15	OP-2022-ENS2EV Evaluation Of Natural Gas Consumption In Turkey	S.Y. Kandemir, E. Güler, M.H. Ahmadi	10:00-10:15	OP-2022-EbULKBEN Energy-Exergy Analysis Of A Four Stroke Marine Diesel Generator And Organic Rankine Cycle Waste Heat Recovery Model Design To The Exhaust Line Of The System	Bariş Han Kiliç, Güner Özmen, Kaan Özkan, Kubilay Bayramoğlu
10:15-10:30	OP-2022-BkB9nZHA Havacılık Sektöründe Yangın Algılama ve Söndürme Sistemlerinin Projelendirme, Kurulum ve İşletim Süreçlerinin Yönetilmesi	Onur Mammacioğlu, Cemil Özkalay, Gökhan Coşkun, Hakan Serhad Soyhan	10:15-10:30	OP-2022-x3sqkIEX Experimental And Computational Premixed Turbulent Flame Propagation Studies for Hydrogen Containing Fuels	Dilay Güteryüz, Emre Böncü, Tahsin Berk Kıymaz, Christophe Allouis, Iskender Gökalp	10:15-10:30	OP-2022-dWF9pvIN Investigation Of The Effect Of Ozone Gas On Combustion In Jet Turbine Engines	Furkan Çetinkaya, Ümit Koca, M. Zeki Yilmazoğlu
10:30-10:45	OP-2022-ACIJzNEL Elektrik Kaynaklı Yangınlar	Cemil Özkalay, Onur Mammacioğlu, Hakan Serhad Soyhan, Gökhan Coşkun	10:30-10:45	OP-2022-UCFTIN Influence of plastic oil as an additive on diesel engine fueled with lemongrass biodiesel	S. Gowthaman, A.I. Anu Karthi Swaghatha, K Thangavel, GK. Hariharan, A.Lokesh	10:30-10:45	OP-2022-SLL2ON One-pot Hydrodeoxygenation Route of Microalgae Oil To Bio-jet Fuel Over NiDolomite Catalyst	B. Er, A. Cakan, B. Kiren, N. Ayas
10:45-11:00	OP-2022-d7dUsVHİ Hidrojen Yangınlarının Önlenmesi ve Söndürme Metodları	Muhammet Mert Canca, Aliye Kaşarcı Hakan, Hakan Serhad Soyhan	10:45-11:00	OP-2022-aYCY88IN In-situ fluid dynamic characterization of a gas turbine combustor for operation with low-BTU gas from biomass	Sagar Ranjan Panda, Anand M Shivapujia, Dasappa Srinivasaiah	10:45-11:00	OP-2022-RHC2IN Influence Of Parametric Variation On The Combustion Characteristics Of A Parallel Cavities Scramjet Combustor	Namrata Bordoloi, Krishna Murari Pandey, Kaushal Kumar Sharma

Coffee Break (11:00-11:15)

10 SEPT. 2022 SATURDAY-3rd DAY / SECOND SESSION

TULIP HALL / FACE TO FACE			LILY HALL / HYBRID			DAISY HALL / ONLINE		
22.Session: HYDROGEN AND COMBUSTION (11:15-12:15) Session Chair: Dr. MACIEJ MIKULSKI https://meeting.mkcelikbas.com/b/inc-nwo-p3n-5r8			23. Session: CARBON (11:15-12:15) Session Chair: Dr. FRANK ULRICH RÜCKERT https://meeting.mkcelikbas.com/b/inc-0vz-jmn-hkz			24. Session: COMBUSTION (YANMA) (11:15-12:15) Session Chair: Dr. ERDİNÇ VURAL https://meeting.mkcelikbas.com/b/inc-yte-vls-d4q		
11:15-11:30	OP-2022-5GUggQIN Investigation Of Carbon Dioxide Absorption Capacity And Dissolution Rate With Glycerol And Glycerol + Sodium Hydroxide Hybrid Solution For Post-Combustion Systems	İ. Koçyiğit Çapoğlu, H. Öztan, D. Uysal, Ö. M. Doğan	11:15-11:30	OP-2022-aLQ7RFCA Carbonization Of Waste Elastomer (Ethylene Propylene Diene Monomer-Epdm) To Produce Porous Carbonaceous Materials	Muhammet Ramazan Eren, Işıl Güneş, Esin Apaydın Varol	11:15-11:30	OP-2022-3QqD04EX Experimental Investigation On Performance Evaluation Of Pem Electrolysis Cell By Using A Taguchi Method	Safiye Nur Özdemir
11:30-11:45	OP-2022-9G21EaEX Experimental studies on the combustion behavior of different plastic content refuse derived fuel under different furnace conditions	Priyanka Tripathi, Lakshminarayana Rao	11:30-11:45	OP-2022-0bZvIPGL Global Warming Impact Assessment Due To Carbon Capture And Storage Technologies In Electricity Power Plants	Okan Kon, Ismail Caner	11:30-11:45	OP-2022-DyZc5ZTH Thermal Runaway Mechanism at Lithium Ion Batteries of Electric Vehicles and Keeping the Heat Under Control	Ümit Şenyürek
11:45-12:00	OP-2022-C1CJNU Numerical Investigations on Thermal Performance and Flame Stability of Hydrogen Diluted Ammonia Fueled Swirl Burner and Furnace	Ozan Kekul, Mustafa Ilbas, Serhat Karyeyen	11:45-12:00	OP-2022-TLdRpACA Carbonization, Activation and Investigation of Different Uses of Wastewater Treatment Sludge	Serhat Bilgin, S. Orhan Akansu, M. İlhan İlhak	11:45-12:00	OP-2022-n34rFSRO Roketlerde Tahrik İlkesi ve Nükleer İtkili Roketlerin Kavramsal Değerlendirilmesi	Hayri Yaman, Murat Kadir Yesilyurt
12:00-12:15	OP-2022-lhNn9wCH Characterization Of Hydrochar Production From Orange Peel And Sewage Sludge By Hydrothermal Processes	R. N. Mutlu, İ. Gökalp, H. Ece, G. Çelik, A. T. Koçer, D. Özçimen	12:00-12:15	OP-2022-YZgtDPTH The activity of zeolite-supported nickel catalyst in CO2 hydrogenation to produce CH4	Tuğba Yarbaş, Nezihe Ayas	12:00-12:15	OP-2022-vIToKqNU Numerical Simulation Of A RCCI Engine Performance Using Natural Gas (NG) / Diesel Fuel Under Low Load Conditions	Müjdat Fırat, Mutlu Okcu, Şehmus Altun, Yasin Varol

LUNCH

10 SEPT. 2022 SATURDAY-3rd DAY / THIRD SESSION

TULIP HALL / FACE TO FACE			LILY HALL / HYBRID			DAISY HALL / ONLINE		
ALTERNATIVE FUEL (13:30-14:45) Session Chair: Prof. Dr. S. ORHAN AKANSU https://meeting.mkcelikbas.com/b/inc-wrm-dlm-bpj			25. Session: FUEL AND COMBUSTION SESSION (13:30-14:45) Session Chair: Dr. ZAFER KAHRAMAN https://meeting.mkcelikbas.com/b/inc-tjv-ivh-0nr			26. Session: MODELLING AND SIMULATION (13:30-14:45) Session Chair: Dr. MEHMET SALIH CELLEK https://meeting.mkcelikbas.com/b/inc-bbw-r02-hy7		
13:30-13:45	OP-2022-bEZRTsNU Numerical Comparison of premixed turbulent combustion models for ethylene/air mixtures up to 1 MPa	Siva Muppala	13:30-13:45	OP-2022-2h9tGy3D 3D Simulation Of Ammonia/Hydrogen Fuel Blends Combustion Under High Swirl Gas Turbine Conditions	O. Kumuk, M. Ilbas	13:30-13:45	OP-2022-AuOMKARA RANS Simulation of Bluff-Body Turbulent Swirling Flame	Orhan Veli Kazanci, Yakup Erhan Böke
13:45-14:00	PP-2022-qBeCLMCA Catalytic Two Stage Steam Gasification Of Olive Tree Pruning Biomass For Clean Hydrogen Production	Nazire Merve Akbas, Hakan Çay, Gözde Duman Taç, Jale Yanık, Güray Yıldız	13:45-14:00	OP-2022-bI9gdxCO Computational Investigation on the Effects of Parametric Variation of Scramjet Combustor Performance	Kumari Ambe Verma, Krishna Murari Pandey And Kaushal Kumar Sharma	13:45-14:00	OP-2022-InWYqMEF Effects Of Excess Air And Oxygen Enrichment On Sooting Flames Of Biogas	M. S. Celtek, U. Demir
14:00-14:15	OP-2022-QZLCA A Study On The Nanoparticle Contribution In A Dual Fuel Diesel Engine	Esenay Arslan, M. Raşit Atelge, Nafiz Kahraman, Sebahattin Ünalın, Bilge A. Çeper	14:00-14:15	OP-2022-0XKPEX Explosions Occured In A Urban Terrain According To Explosive Type	M. Şahin, S. Tulumcu, M. Yıldız	14:00-14:15	OP-2022-7ruanWNU Numerical Investigation Of Hcci Engine For Two Different Combustion Chamber Geometries	Oğuz Bostancıoğlu, Nureddin Dinler

Coffee Break (14:45-15:00)

10 SEPT. 2022 SATURDAY-3rd DAY

CLOSING SESSION (15:00-16:00)

TULIP HALL

<https://meeting.mkcelikbas.com/b/inc-erl-x7a-xtq>

CLOSING SPEECH

WISHES AND REQUESTS

11 SEPT. 2022 SUNDAY-4th DAY

EPHESUS CULTURE TRIP (09:00-15:30) - EXTRA