

2022 Taiwan-Turkey Combustion Meeting on Net-Zero Technology

2022.04.23

Chairman: Prof. Shou-Yin Yang (楊授印教授)

Professor of Department of Power Mechanical Engineering, National Formosa University
Dean of Research and Development office, National Formosa University
Chair of Combustion Institute R.O.C. (Taiwan) Section

Organizer:

- ✚ National Cheng Kung University, Taiwan
- ✚ National Formosa University, Taiwan
- ✚ Combustion Institute of Taiwan
- ✚ Combustion Institute of Turkey

Co-Organizer:

- ✚ Energy Program of Department of Engineering and Technologies, Ministry of Science and Technology (MOST)
- ✚ Thermal Source and Fluid Dynamics Program of Department of Engineering and Technologies, Ministry of Science and Technology (MOST)
- ✚ National University System of Taiwan
- ✚ Changhua-Yunlin-Chiayi Universities and Colleges Alliance

Delegates (Taiwan Side)	Delegates (Turkey Side)
Representative Mr. Chin Yen Huang (黃志揚代表) ✚ Taipei Economic and Cultural Mission in Ankara	Representative Mr. Muhammed Berdibek ✚ Taipei Türk Ticaret Ofisi
Prof. Shu-San Hsiao (蕭述三教授) ✚ Professor of Department of Mechanical Engineering, National Central University ✚ Dean of Engineering College, National Central University ✚ Chair of Energy Program of Department of Engineering and Technologies, MOST	Prof. Hakan Serhad Soyhan ✚ Chair of the Combustion Institute Turkish Section ✚ Professor of Department of Mechanical Engineering, Sakarya University
Prof. Yueh-Heng Li (李約亨教授) ✚ Professor of Department of Aeronautics and Astronautics, National Cheng Kung University ✚ Vice Dean of Office of International Affairs, National Cheng Kung University	Prof. Dr. Mustafa İlbaş, ✚ Professor of Department of Energy Systems Engineering, Gazi University ✚ Head of Department of Energy Systems Engineering, Gazi University
Prof. Hsin-Yi Shih (石心怡教授) ✚ Professor of Department of Mechanical Engineering, Chang Gung University ✚ Vice Dean of Engineering College, Chang Gung University	Prof. Dr. Nafiz Kahraman, ✚ Professor of Department of Mechanical Engineering, Erciyes University Prof. Dr. Ali Sürmen, ✚ Department of Mechanical Engineering, Uludağ University
Prof. Yu-Ting Wu (吳毓庭教授) ✚ Professor of Department of Engineering Science, National Cheng Kung University	Assoc. Prof. Dr. Gökhan Tüccar Assoc. Prof. Dr. Erineç Uludamar ✚ Department of Mechanical Engineering, ATU University
Prof. Kuang C. Lin (林洸銓教授) ✚ Professor of Department of Engineering and System Science, National Tsing Hua University	Assoc. Prof. Hasan Bedir ✚ Department of Mechanical Engineering, Boğaziçi University.
Prof. Ming-Hsun Wu (吳明勳教授) ✚ Professor of Department of Mechanical Engineering, National Cheng Kung University	Assoc. Prof. Feyza Kazanç Ö zeriç ✚ Department of Mechanical Engineering, Middle East Technical University.
Prof. Chin-Yung Wu (吳志勇教授) ✚ Professor of Department of Aeronautics and Astronautics, National Cheng Kung University	Asst. Prof. Dr. İsmail Altın ✚ Department of Naval Architecture and Marine Engineering, Karadeniz Technical University
Prof. Li-Wei Chen (陳立緯教授) ✚ Professor of Department of Mechanical & Computer-Aid Eng., National Formosa University ✚ Dean of International Affairs Office, National Formosa University ✚ Secretary General of Taiwan Combustion Institute	Asst. Prof. Dr. Alper Tolga Çalık ✚ Automotive Laboratory, Department of Mechanical Engineering, Istanbul Technical University
	Asst. Prof. Dr. Orkun Ö zener Asst. Prof. Dr. Alp Tekin Ergenç ✚ Automotive Laboratory, Department of Mechanical Engineering, Yıldız Technical University

Note: There will be two groups in each side. Participants: list of scientists in this table. Presenters: table on page two.

Agenda

Taiwan Time	Turkey Time	Activity	
16:30 16:40	11:30 11:40	<p>Welcome Remarks and Delegates Introduction</p> <ul style="list-style-type: none"> Prof. Shou-Yin Yang Chair of the Combustion Institute Taiwan Section Prof. Hakan Serhad Soyhan Chair of the Combustion Institute Turkish Section Representative Mr. Chin Yen Huang Taipei Türk Ticaret Ofisi Representative Mr. Muhammed Berdibek Taipei Economic and Cultural Mission in Ankara Prof. Shu-San Hsiau Chair of Energy Program of Department of Engineering and Technologies, MOST 	
16:40 18:00	11:40 13:00	Invited Talks	
		<p>Prof. Kuang C. Lin Engineering and System Science, NTHU</p> <p>Topic: Combustion mechanism and CFD investigation of methyl isobutanoate as a component of biodiesel surrogate</p>	<p>Prof. Hakan Serhad SOYHAN Mechanical Engineering, SAKARYA</p> <p>Topic: Reduction techniques for Detailed Chemistry</p>
		<p>Prof. Hsin-Yi Shih Mechanical Engineering, CGU</p> <p>Topic: H₂/CO Syngas Diffusion Flames and Combustion Application in Micro Gas Turbines</p>	<p>Prof. Mustafa İLBAŞ Energy Systems Engineering, GAZI</p> <p>Topic: Combustion of Hydrogen-Rich Gaseous Fuels: Colorless Distributed Combustion (CDC) Technique</p>
		<p>Prof. Ming-Hsun Wu Mechanical Engineering, NCKU</p> <p>Topic: Catalytic & Electrolytic Decompositions of “Green” Ionic Liquid Monopropellants for Space Propulsion</p>	<p>Assoc. Prof. Hasan Bedir Mechanical Engineering, BOUN</p> <p>Topic: Turbulent Combustion Modeling of Fuels with LS2T</p>
		<p>Prof. Yueh-Heng Li Aerospace Engineering, NCKU</p> <p>Topic: Synergetic combustion behavior of aluminum and coal addition in hybrid iron-methane-air premixed flames</p>	<p>Assoc. Prof. Feyza Kazanç Ö ZERİNÇ Mechanical Engineering, METU</p> <p>Topic: Synergetic combustion behavior of biomass and coal blends</p>
		<p>Prof. Chin-Yung Wu Aerospace Engineering, NCKU</p> <p>Topic: Effect of MIL-100(Fe) on the Thermal Decomposition of Nitrate</p>	<p>Asst. Prof. Dr. İsmail ALTIN Naval Architecture and Marine Engineering, KTU</p> <p>Topic: Hydrogen in IC Engines</p>
18:00 18:25	13:00 13:25	<p>Discussion</p> <p>Theme:</p> <ul style="list-style-type: none"> Research and Projects Collaboration 2023 Asia-Pacific Conference on Combustion Visiting and Share Lab. 	
18:25 18:30	13:25 13:30	Closing	