WEDNESDAY, 15 OCTOBER

15:00–19:00	Arrival and registration. Venue: Hotel lobby
	THURSDAY, 16 OCTOBER
8:30–8:45	Welcome by Symposium Chairs
8:45-9:45	Keynote session 1. Chair: M. Pınar Mengüç
	Keynote lecture K-4: Sophia Haussener. Thermal science in photo-electrochemistry and solar thermochemistry
9:45–11:00	Technical session 1. Chair: Wojciech Lipiński
9:45–10:15	Invited lecture I-4: Timothy Fisher. Solar-synthesized hydrogen and cylindrical graphite via direct concentrated pyrolysis
10:15–10:30 10:30–10:45	C-9: Klinac EMA. A new heat integration approach for decarbonisation of non- continuous and semi-continuous processes C-3: Garrido-Fayad E. Optimization of the operating modes of a solar thermal power plant to increase its economic profitability
10:45–11:00	C-11: Magdziarz A. Circular solutions for marine plastic waste: sustainable thermochemical pathways from waste to resource
11:00-11:15	Coffee break
11:15–12:15	Technical session 2. Chair: Timothy Fisher
11:15–11:45	Invited lecture I-7: Tuba Okutucu. Thermal management solutions for electric vehicle batteries
11:45–12:00	C-20: Yang R. Adaptive thermal energy storage with dynamic insulation envelopes for distributed thermal storage in buildings
12:00–12:15	C-17: Vişne S. Comparative analysis of pseudo 2d and fully 3d electrochemical- thermal models for large-scale lithium-ion batteries
12:15–14:00 14:00–15:00	Lunch Keynote session 2. Chair: Wojciech Lipiński
2.100 20100	Keynote lecture K-5: Gary Rosengarten. What's hot and what's not: From high flux cooling to powering the future
15:00–16:00	Keynote session 3. Chair: M. Pınar Mengüç
	Keynote lecture K-1: Oğuz Can. Energy Transformation: Turkiye Practices and Targets Towards to Zero Carbon
16:00–16:15	Coffee break
16:15–18:15	Technical session 3. Chair: Timothy Fisher
16:15–16:45 16:45–17:00	Invited lecture I-1: Derek Baker. From SolarHub to HelioHub: A Greek–Turkish Solar Energy Excellence Hub C-4: Gürel K. A sectoral benchmarking analysis of industrial energy efficiency across Türkiye: challenges and opportunities
17:00–17:15	C-12: Özsoy C. Identifying non-technical risks towards low-carbon energy transition: lessons learned from Turkish industrial sector
17:15–17:30	C-14: Saglam Y. A multi-objective optimization approach in defining the decarbonization strategy of a district heating network: the case study of Oslo
17:30–18:30	Keynote session 4. Chair: Timothy Fisher
	Keynote lecture K-3: Yogi Goswami. Title TBA
From 19:30	Dinner. Separate announcement will be made
FRIDAY, 17 OCTOBER	
8:30-9:30	Keynote session 5. Chair: M. Pınar Mengüç
	Keynote lecture K-2: Bassam Dally. Synergetic technologies for low carbon power and industry
9:30–10:45	Technical session 4. Chair: Tuba Okutucu
9:30–10:00	Invited lecture I-3: Ofodike Ezekoye. Low-order heat transfer modeling of thermal runaway in a prismatic lithium-ion battery module
10:00–10:15 10:15–10:30	C-1: Biyikoglu A. Experimental study for the recovery of low temperature flue gas waste heat using heat pipe C-6: Halvasi B. Influence of radiation models and melt temperature on glass furnace efficiency
10:30–10:45	C-2: Bouanani M. Coupled natural convection and radiation and in a square enclosure heated by a tilted square centric cylinder
10:45-11:00	Coffee break
11:00-12:15	Technical session 5. Chair: Derek Baker
11:00–11:30	Invited lecture I-6: Wojciech Lipiński. Mixed metal oxides for enhanced solar fuel production via thermochemical redox cycling
11:30–11:45	C-8: Ismail M. Shape memory alloys for next-generation low-carbon heat-pumps
11:45–12:00 12:00–12:15	C-10: Kubačka J. Comparative study of deep co-axial closed loop and u-shape wellbore geothermal systems C-5: Georgiou M. PROTEAS: A platform for advancing and demonstrating renewable energy and seawater desalination technologies
12:15–14:00	Lunch
14:00-15:00	Keynote session 6. Chair: Wojciech Lipiński
	Keynote lecture K-6: Wen-Quan Tao. Energy and carbon emission efficiency of data centres enabled by thermal management and hydrogen fuel cells
15:00–16:15	Technical session 6. Chair: Wojciech Lipiński
15:00–15:30	Invited lecture I-5: Ali Kosar. Energy efficiency and harvesting with phase change phenomena on functional surfaces and emerging applications
15:30–15:45 15:45–16:00	C-13: Park BC. Analysis of separation characteristics of inline type separator for water-oil two-phase flow separation C-15: Shorbagy A. A novel experimental investigation of poppet clearance effects on the dynamic behavior of direct-acting pressure relief valves
16:00–16:15	Digital poster session. Chair: Wojciech Lipiński
16:00–16:05	P-1: Kim YJ. Comparison of experimental and numerical analysis results of inline type separator for water-gas two-phase flow separation
16:05–16:10	P-3: Woo NS. Developing HILS based verification technology for offshore drilling and production plants
16:10–16:15	P-2: Misale M. Experiments in a multi-conneced natural circulation loops working by a water-glycerin mixture
16:15–16:30	Coffee break
16:30–18:00 16:30–17:00	Technical session 7. Chair: Timothy Fisher Invited lecture I-2: Ozgur Bayer. Innovative strategies for PCM-based energy storage: From scientific insights to industrial practice
17:00–17:15	C-18: Yerdesh Y. Optimizing ground source heat pump performance under imposed heat transfer rates for low-carbon thermal systems
17:15–17:30	C-16: Song Y. Deep learning-based diagnostic framework for electric submersible pump failure in thermal energy operations
17:30–17:45	C-7: Hamid K. Development and experimental study of an oil-free high-temperature heat pump for industrial heating and cooling applications
17:45–18:00	C-19: Yerdesh Y. Thermodynamic and environmental assessment of low-GWP refrigerants for ground source heat pump applications in continental climates
18:00-18:55	Panel. Chair: M. Pınar Mengüç
18:55–19:00	Concluding remarks by Symposium Chairs