

PROGRAMME	
14 May 2026 Thursday	
08:45-09:15	Coffee and Registration
09:15- 09:30	Opening Speech
09:30-09:50	Opening Talk: Assoc. Prof. Dr. Onur Ergen (Istanbul Technical University) <i>Fire, Failure, and the Future: Rethinking Battery Safety from Atoms to Systems</i>
09:50-10:20	Keynote Speaker: Assoc. Prof. Dr. Julia Amici (Politecnico di Torino) <i>Finely Tuning Composite Electrolytes for Safer Lithium Metal Batteries</i>
Theme 1: Battery Chemistry for Fire Safety	
Session I	
Session Chair: Assoc. Prof. Dr. Neslihan Yuca Dođdu	
10:20-10:40	Invited Speaker: Dr. Ying Zhang (Chinese Academy of Sciences) <i>Smart Responsive Polymers for Safer Lithium Batteries</i>
10:40-10:55	Assoc. Prof. Dr. Ahmet Emrehan Emre (Bođaziçi University) <i>Aramid Nanofiber Architectures for Safe Battery Design</i>
10:55-11:10	Çađrı Ün (Çukurova University) <i>Multi-Parametric Investigation of Thermal Runaway Initiation and Progression In 21700 NMC Lithium-Ion Cells Under Controlled External Heating</i>
11:10-11:30	Coffee Break
Session II	
Session Chair: Prof. Dr. Suna Balcı	
11:30-11:50	Invited Speaker: Prof. Dr. Kadri Aydınol (Middle East Technical University) <i>Degradation Mechanisms in Li-ion Batteries, Thermal Runaway, Thermal Propagation and Use of Adiabatic Calorimetry</i>
11:50-12:05	Shehzad Khan (Georgia Southern University, USA) <i>Mathematical Modelling of Venting Process during Thermal Runaway in Lithium-Ion Batteries</i>
12:05-12:20	Orhan Sönmez (FK Solution) <i>Is Thermal Runaway A Fire?</i>
12:20-12.35	Assoc. Prof. Dr. Yasin Karagöz (Yıldız Technical University) <i>The Impact of Liquid Cooling on the Performance of NMC Batteries</i>
12:35-13:45	Lunch

Theme 2: Fire Management on Different Battery Apps	
Session III	
Session Chair: Assoc. Prof. Dr. Yasin Karagöz	
13:45-14:05	Invited Speaker: Hasan Celal Malkoç, (TÜBİTAK Rail Transportation Technologies, Rute) <i>Preventing Battery Fires: The Critical Role of BMS</i>
14:05-14:20	Prof. Dr. Tuba Okutucu Özyurt (Istanbul Technical University) <i>Advanced Thermal Management Solutions for Electric Vehicle Batteries</i>
14:20-14:35	Emir Çuhadar (EXITCOM) <i>Degradation Mechanisms, Thermal Runaway Kinetics, and Waste Storage Protocols of Lithium-Ion Batteries in Electric Vehicle and BESS Applications</i>
14:35-14:50	G. Prenesti (University of Calabria, Italy) <i>Lithium Recovery from Exhausted Batteries Through Membrane Processes: A Fire and Risk Management Approach</i>
14:50-15:15	Coffee Break
Session IV/Panel	
Moderator: Prof. Dr. Didem Saloğlu Dertli	
15:15-16:15	Panel: Battery Fire Cases and Management Özgür Özaltun (AFAD, Disaster and Emergency Management Authority) Dr. Gökhan Balık (TUYAK, Turkey Fire Protection and Education Foundation – Fire Protection Association) Evrin Engin (Istanbul Fire Department) Mustafa Döndü (Republic of Türkiye Ministry of Health, Emergency Health Services Directorate) <i>The panel, which will be conducted in Turkish, will be simultaneously interpreted into English.</i>
16:15-16:30	Tuğbay Şeker (Ford Otosan) <i>Assessment and Management of Fire Risks in Lithium-Ion Battery Development and Testing Processes</i>
16:30-16:45	Samuel Ogunfuye (Johnson Control) <i>Towards a Model for Predicting Lithium-ion Battery Explosions</i>
18:30-20:30	Social Event / Dinner

PROGRAMME

15 May 2026 Friday

9:00-9:30 Coffee and Registration

Theme 3: Battery Fire Management

Session V

Session Chair: Prof. Dr. Kadri Aydınol

09:30-10:00 **Invited Speaker: Çetin Kur (YKS Teknik)**
Holistic Fire Risk Assessment and Safety Management in LFP Battery Production Facilities

10:00-10:20 **Invited Speaker: Roberto Solis (CEO of Protecfire GmbH)**
From Fire Suppression to Energy Release Management – Rethinking Protection Strategies for Lithium-Ion Battery Events

10:20-10:40 Şemsettin Karasu (Nivo Fire)
Fire Blankets as a Primary Mitigation Strategy for Electric Vehicle Battery Fires: Experimental Evidence, Incident Statistics, and Regulatory Frameworks

10:40-11:20 Coffee Break

Session VI

Session Chair: Prof. Dr. Suna Balcı

11:20-11:50 **Keynote Speaker: Prof. Paul Christensen (Newcastle University)**
Lithium-Ion Battery Fires and Explosions: What We Now Know

11:50-12:05 Fatih Bilgin (International Business Development Director, Vienne)
Electric Vehicle (EV) Fires and First Responder Safety

12:05-12:20 Dilşah İlbaş (Maxxen Energy)
Fire Risk and Regulatory Approaches in Battery Energy Storage Systems: A Transatlantic Comparison Incorporating Root Cause Analyses

12:20-12:35 Furkan Kodakoğlu (West Virginia University)
Fundamental Combustion Properties of Thermal Runaway Vent Gases from Lithium-Ion Batteries

12:35-13:45 Lunch

Theme 4: Battery Fire Legal Framework, Standards

Session VII

Moderator: Assoc. Prof. Dr. Neslihan Yuca Dođdu

13:45-14:45	<p>Panel: Regularities and Standards on Battery Fires</p> <p>Kaan Güvenir (Turkish Standards Institution, TSE) Murat Bayram (Ministry of Environment, Urbanization and Climate Change) Fikret KIR (FK Solutions) Oktay ECER (Emek Founder of Education Academy and Consulting)</p> <p><i>The panel, which will be conducted in Turkish, will be simultaneously interpreted into English.</i></p>
14:45-15:00	<p>Prof. Dr. Suna Balcı (Gazi University)</p> <p><i>Lithium-Ion Batteries: International Regulations and Türkiye's Harmonization Process (An Internationally Oriented Approach)</i></p>
15:00-15:10	Coffee Break
<h3>Session VIII</h3> <p>Session Chair: Assoc. Prof. Dr. Onur Ergen</p>	
15:10-15:25	<p>Invited Speaker: Ralph Suppa (Cervitas Solutions, IAFC Hazmat cmte, Battery Task Group)</p> <p><i>Health and Toxicity Hazards from Battery Fires: Hydrogen Fluoride, Fluoropolymer Combustion, and What This Means for Responders and Hospital First Receivers</i></p>
15:25-15:40	<p>Mehmet Albayrak (Chemical and Process Engineer/ QHSSE and SEC)</p> <p><i>Performance-Based Fire Safety Engineering of Lithium-Ion and LiCo Battery Systems in EV, ESS, and BESS</i></p>
15:40-16:00	<p>Invited Speaker: Ryan Fogelman (Fire Rover)</p> <p><i>Targeted Remote Response in The Waste & Recycling Industries, Specifically Lithium-Ion Battery Hazards</i></p>
16:00-16:15	<p>Invited Speaker: Ralph Suppa (Cervitas Solutions, IAFC Hazmat cmte, Battery Task Group)</p> <p><i>EV And Lithium-Ion Battery Response Safety: Tactics, Lessons Learned, and Current Doctrine for First Responders</i></p>
16:15-16:30	Coffee Break
<h3>Session IX: UL & NFPA</h3>	
16:30-17:30	<p>Dr. Denice Durrant (UL) Yi Ji (UL) Levent Coşkun (Orsa Yangın Mühendislik- NFPA certificated) İsa Ersoy (NFPA Authorized Training Provider in Türkiye)</p>
17:30-18:00	Closing Remarks