

	Day 1 14 August 2026	TIME	Day 2 15 August 2026	TIME	Day 3 16 August 2026	TIME	Day 4 17 August 2026	TIME	Day 5 18 August 2026
8:00-8:45		8:00-8:45	Registration Venue: 201 Foyer	8:00-8:45	Registration Venue: 201 Foyer	10:00-11:00	Academician Lecture Room: 902-402, Session Chair: Aiguo Hu Software Defined Cyber Physical Systems – From Internet of Things to Systems of Things Zoran Stokic		
8:45-9:10		8:45-9:10	Opening Ceremony Room: 201-393 * Major welcome (MH) * Opening Remarks & Group Shot	8:45-9:10					
09:10-10:30		09:10-10:30	Plenary Session Room: 201-393, Session Chair: Ren Xu Plenary Talk 1: Smart Sensing and AI Towards Ubiquitous Healthcare, M. Jamal Deen Plenary Talk 2: AI and Innovation in Agriculture, Tao Chen	09:10-10:30	Plenary Session Room: 201-393, Session Chair: Lihua Tang Plenary Talk 3: Development Trends of Modern Power Supplies in relation to Wireless Power Transfer Technologies, Aiguo Hu Plenary Talk 4: PINNs-derived Van der Pol Oscillators Simulating and Predicting Mitigation and Amplitude Death Characteristics of Combustion Instabilities, Dan Zhao	11:00-12:30			
10:30-11:00		10:30-11:00	Tea Break & Poster Viewing Venue: 201 Foyer	10:30-11:00	Tea Break & Poster Viewing Venue: 201 Foyer	12:30-13:30	Lunch Break Venue: 902 Foyer		Culture Experiencing Day Assembly Point: Cordis Hotel
11:00-12:30		11:00-12:30	Parallel Session A1: Materials, Energy & Environmental Sustainability Room: 201-326 Session Chairs: Wei Sun , Jingchun Wei	11:00-12:30	Parallel Session A4: Sustainable and Advanced Materials Engineering Room: 201-326 Session Chairs: Piero Mariani , Peng Guo	14:00-16:00	Lab Tour Assembly Point: 405 Foyer		
11:00-11:15		11:00-11:15	Keynote: Rational Catalyst Design for CO2 Electrochemical Reduction Reaction Jianguo Wang	11:00-11:15	Keynote: Green and Selective Recovery of Critical Metals from Lithium-ion Battery Waste Peng Guo				
11:15-11:30		11:15-11:30	Keynote: How are Industry 4.0, Industry 5.0 and AI Reshaping Manufacturing? Ren Xu	11:15-11:30	Keynote: Robotics and AI for Effective Stroke Rehabilitation Treatment: Challenges and Opportunities Shenue Xia				
11:30-11:45		11:30-11:45	129- Legacy and Emerging PM2.5 in New Zealand Common Diatoms (Diatoms) and their Source-Resolved Exposure Regimes Revealed by Nanoparticle Tracking and Positive Matrix Factorization	11:30-11:45	106- Load Distribution Modeling and Digital Twin Platform for Reconfigurable Ball Screws: Considering Non-Load Bearing Gears and Geometric Errors				
11:45-12:00		11:45-12:00	146- Development of High-Energy Density Cathode Materials for Sodium-Ion Batteries	11:45-12:00	104- Low-temperature electrolysis recovery of spent H2O under the strategy of molten salt electrolysis				
12:00-12:15		12:00-12:15	112- Development of a Realistic Water Pressure Loading Device for Concrete Dam Structural Interfaces to Support Smart Dam Safety	12:00-12:15	101- Sustainable thermoelectric materials for energy harvesting				
12:15-12:30		12:15-12:30	10- Phase-engineered cuprous sulfide thin films for sustainable low-temperature thermoelectric applications	12:15-12:30	107- Design and Control of a Large-Angle Adaptive Compliant Joint for Peg-in-Hole Assembly in Confined Spaces				
12:30-13:30		12:30-13:30	Lunch Break Venue: 201 Foyer	12:30-13:30	Lunch Break Venue: 201 Foyer				
13:30-15:00		13:30-15:00	Parallel Session A2: Chemical Exposure, Biomaterials and Molecular Technology Room: 201-326 Session Chairs: Xiaoming Chen , Zhenhai Pan	13:30-15:00	Parallel Session A5: Wireless Power Transfer, Sustainable Energy Technologies Room: 201-326 Session Chairs: Gai Tan , Alex Kavgasov				
13:30-13:45		13:30-13:45	123- Mechanistic Determinants of CYP-Mediated 6,7-FGA Biotransformation	13:30-13:45	Keynote: Future of Wireless Power Transfer Research and Applications Xin Guo				
13:45-14:00		13:45-14:00	16- Mechanistic Study of Angiogenesis in Suppressing Lung Cancer Brain Metastasis via the CYP1A1/REG Signaling Axis	13:45-14:00	Keynote: Human-Centered Mechanisms: Significance of Monitoring for Early/At-Risk Cancer Self and Systems Gustaf Alci				
14:00-14:15		14:00-14:15	26- The effect of PM2.5 and its constituents on traffic: an integration of epidemiological and network toxicological evidence	14:00-14:15	72- Adaptive Generation of Smart Product Service System Innovation Co-driven by Knowledge Graph and LLM: From a Perspective of Dynamic Market Demand-R&D Supply Matching				
14:15-14:30		14:15-14:30	147- Indoor Climate Reaction Products (CR-C3) Metabolites and Respiratory Inflammation in Children with Preschool Children: Preliminary Exploration of Association and Mechanism	14:15-14:30	82- Hierarchical Co-Optimization of Network Configuration and Power Control in Wireless Power Transfer Systems				
14:30-14:45		14:30-14:45	28- GATFOL complex controls cytokine sensitivity	14:30-14:45	83- Micro Vibration Energy Harvesting and Self-powered Sensing				
14:45-15:00		14:45-15:00	48- Alcohol Facilitates Social Disinhibition Via Enhancing Disinhibition 1 Receptor Expressing Neurons in the Lateral Septum of Male Mice	14:45-15:00	85- Recycling of waste indium tin oxide target based on molten salt electrochemistry				
15:00-15:30		15:00-15:30	Tea Break & Poster Viewing Venue: 201 Foyer	15:00-15:30	Tea Break & Poster Viewing Venue: 201 Foyer				
15:30-16:15		15:30-16:15	Panel Discussion Room: 201-393 Moderators: Jing Ma , Lian Lu	15:30-16:15	Parallel Session A6: Circular Bioeconomy and Sustainable Wastewater Treatment Room: 201-326 Session Chairs: Caroline Kennedy , Changping Sun				
16:15-17:00		16:15-17:00	Parallel Session A8: Low-Carbon Transition, Policy and Industrial Decarbonization Room: 201-326 Session Chairs: Ronal Zhou , Deyu Wang	16:15-17:00	Parallel Session B6: AI-enabled Monitoring of Climate and Geophysical Hazards Room: 201-334 Session Chairs: Yinyang Ren , Alex Kavgasov				
16:15-16:30	Registration Venue: 201 Foyer	16:15-16:30	17- Research on the Effect and Mechanism of Digital Government Construction Driving Urban Carbon Emission Reduction	16:15-16:30	135- Sustainability analysis for bioethanol production systems: techno-economic and environmental aspects				
16:30-16:45		16:30-16:45	133- Promoting low-carbon technologies in China's key sectors under the net-zero emission goals	16:30-16:45	10- Research on the Current Carbon Emission Situation and Emission Reduction Strategies of AAO Process Wastewater Treatment Plants				
16:45-17:00		16:45-17:00	134- Decarbonization pathways for the steel product industry	16:45-17:00	108- Rapid Quantitative Assessment of Asphalt Material Condition Using Short-Wave Infrared Hyperspectral Imaging				
17:00-18:00		17:00-18:00	154- Microfossils from Chert Nodules of the Xiangshang Formation, Fengxi Group, Shandong, and Their Implications for Precambrian Biostratigraphy	17:00-18:00	109- Photothermal Self-Healing Materials for Thermal Management Devices				
18:00-18:30	Welcome Reception Venue: 201 Foyer * Major Performance * Light Dinner & Beverage	18:00-18:30	Conference Banquet & Award Ceremony Venue: Cordis Hotel Crystal Room 2 * Dinner * Award ceremony	18:00-18:30	Parallel Session B1: AI-enabled Monitoring of Climate and Geophysical Hazards Room: 201-334 Session Chairs: Yinyang Ren , Alex Kavgasov				
18:30-19:00		18:30-19:00		144- Full coverage and updated water-based rainfall intensity duration frequency formula for China using remotely sensed GIMPRIS precipitation data					
19:00-19:30		19:00-19:30		112- Science Bandwidth Extension Using an Improved Cycle Consistent Generative Adversarial Network					
19:30-20:30		19:30-20:30		153- Digital Monitoring and Assessment of Flood Risk in Cold Region Watersheds for Ecological Restoration					