

Draft Oral Program of The First AACG Carbon Symposium

June 26, 2025 Thursday	
9:00 – 9:15	Opening Session
9:15 – 9:45	Keynote: Graphene Oxide: From Fabrication to Applications Hui-Ming Cheng, Shenzhen Institute of Advanced Technology, China
9:45 – 10:05	Advances in Carbon-Based Cathodes for High-Performance Li-O₂ Batteries Hiroto Nishihara, Tohoku University, Japan
10:05 – 10:25	“Sieving” Means “Energetic”: Carbon Design for High-Energy Sodium Batteries Quan-hong Yang, Tianjin University, China
10:25 – 10:55	Coffee Break
10:55 – 11:25	Keynote: New Approaches to Control Porosity and Surface Property of Porous Carbons Jin Miyawaki
11:25 – 11:45	Converting CO₂ and Biomass Wastes into Carbon Materials and Applications in Electric Double-Layer Capacitors (EDLC) Jarrn-Horng Lin, National University of Tainan, Taiwan
11:45 – 12:05	Design and Transport Properties of Novel Field-Effect Transistors Based On Carbon Nanomaterials Dong-Ming Sun, Shenyang National Laboratory for Materials Science, China
12:05 – 12:25	Fabrication of Carbon Nanotube Fibers and Films via FCCVD for Next-Generation Energy Storage and Electromagnetic Shielding Applications Seung Jae Yang, Inha University, Republic of Korea
12:25 – 14:00	Lunch
14:00 – 14:30	Keynote: Carbon Nanotubes as Superior Conductive Additives: Enhancing Performance of Lithium Ion Batteries Yoong Ahm Kim, Chonnam National University, Republic of Korea
14:30 – 14:50	Single-Wall Carbon Nanotube Films and Their Hybrids Chang Liu, Institute of Metal Research, China
14:50 – 15:10	From Nanosheets to Systems: Morphology-Guided Assembly and Processing of 2D Materials Zhiyuan Xiong, South China University of Technology, China
15:10 – 15:30	C60 to Modulate the Closed Pores Structure of Hard Carbon for High-Performance Sodium-Ion Batteries Huaihe Song, Beijing University of Chemical Technology, China
15:30 – 16:00	Coffee Break
16:00 – 17:30	Poster Session

June 27, 2025 Friday	
9:00 – 9:30	Keynote: Carbon Aerogels: Revolutionizing Material Science Can Erkey, Koç University, Türkiye
9:30 – 9:50	Advancing Complementary Analytical Methods for Bulk-Scale Characterization and Quality Control of Graphene-Related Materials Dusan Losic, Australia
9:50 – 10:10	Harnessing Graphene's Potential for Polymer Electrolyte Membrane Fuel Cells: Challenges and Future Horizons Selmiye Alkan Gürsel, Sabancı University, Türkiye
10:10 – 10:30	Photocatalytic Estrogen Degradation by the Composite of Tin Oxide Fine Particle and Graphene-Like Carbon Nitride Shinji Kawasaki, Nagoya Institute of Technology, Japan
10:30 – 11:00	Coffee Break
11:00 – 11:30	Keynote: Sustainable Carbon Materials for Catalytic Applications Yuan Chen, The University of Sydney, Australia
11:30 – 11:50	Diamond Chemistry Nianjun Yang, Hasselt University, Belgium
11:50 – 12:10	Synthesis of Graphite Aggregates in Nonequilibrium Methane Plasma İbrahim Burak Şen, Middle East Technical University, Türkiye
12:10 – 13:10	Lunch