

PART 2

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	Session 1: AI Digital Tools for Process & Materials Engineering Room: Mandarin A	Session 2: Cutting-Edge Catalysis Session 4: Energy Landscape Transformation: Renewable Generation, Storage, and Conversion Room: Karaked	Session 3: Advanced Materials Innovation Session 4: Energy Landscape Transformation: Renewable Generation, Storage, and Conversion Room: Kannika	Session 5: Carbon & Sustainability Solutions for a Net-Zero Future Room: Pornphairin	Session 6: The 9th Shanghai-Kyushu-Yeungnam (SKY2025) Symposium Room: Budsaba	Session 7: Workshop on Water 2025, by Shinshu University Room: Rodsukon
10.00-10.30	อัจชนิน/อัจศุภฤกษ์	“Metal–Organic Framework Materials for Energy-Efficient Ammonia Separation” Dr. Shih-Yuan Chen National Institute of Advanced Industrial Science and Technology (AIST)	“Li _{1.3} Al _{0.3} Ti _{1.7} (PO ₄) ₃ Solid Electrolytes Synthesized by a Microwave-assisted Hydrothermal Reaction for Li all-solid-state Battery Applications” Prof. Wei-Ren Liu Chung Yuan Christian University	“Harnessing Clathrate Hydrates for Energy-Efficient Produced Water Management” Assoc. Prof. Nagu Daraboina The University of Tulsa		
10.30–11.00	“B-doped fullerene as a high-performance metal-free electrocatalyst for CO reduction reaction” Prof. Jun Nakamura	“Preparation and hybridization of titania particles to control the photocatalytic reactions” Prof. Makoto OGAWA Shinshu University	“Investigations of organic coverage (OC) design on lithium-ion battery and the beyond” Prof. Fu-Ming Wang National Taiwan University of Science and Technology	“Decoding Decarbonization through Clathrate Hydrates” Prof. Praveen Linga National University of Singapore		