

Singapore-China Joint Symposium on AI & Sustainability

Day 1: Symposium and Panel Discussion by Fellows and Members from both Academies

[Venue: Nanyang Technological University, Singapore, Lecture Theatre 1A \(Map\)](#)

8:00	9:00	Registration & Welcome Reception
		<u>Opening Ceremony</u>
9:00	9:05	Welcome Remarks LIU Bin Deputy President (Research & Technology), National University of Singapore, Fellow of the Academy of Engineering, Singapore
9:05	9:10	Welcome Remarks CHEN Jianfeng Secretary-General of the Chinese Academy of Engineering, China
9:10	9:15	Opening Remarks by Guest-of-Honour His Excellency CAO Zhongming Ambassador Extraordinary & Plenipotentiary of the People's Republic of China to the Republic of Singapore
9:15	9:30	Token & Gift Presentations Group Photo
		<u>Session 1</u>
9:30	9:50	<u>Session Chair: WEN Yonggang (NTU)</u> Pushing AI from Research to Application and Impact SUN Sumei Agency for Science, Technology and Research (A*STAR), Singapore
9:50	10:10	Security in Developing Next-Generation Artificial Intelligence—Preserving Computing Sovereignty and Ensuring Trusted Data Sharing GAO Wen Peking University, China
10:10	10:30	<u>Session Chair: CHU Jian (NTU)</u> AI-Assisted Infrared Photodetection, Thermal Emission and Spectrum Engineering for Sustainability QIU Cheng-Wei National University of Singapore, Singapore
10:30	10:50	Development and Practice of Sustainable Urban Water Systems MA Jun Harbin Institute of Technology, China
10:50	11:10	<u>Session Chair: MIAO Chunyan (NTU)</u> Physically Grounded AI for Scientific Discovery: From Prediction to Generative Design ONG Yew-Soon Nanyang Technological University, Singapore
11:10	11:30	From Theory to Practice in 6G AI-Native Network Tony QUEK Quee Seng Singapore University of Technology and Design, Singapore
11:30	12:10	Panel Discussion moderated by GUO Yongxin City University of Hong Kong, China
12:10	14:00	Lunch

	Session 2
14:00 14:20	Session Chair: WANG Rong (NTU) Large-Scale and Low-Cost Carbon Capture and Utilization CHEN Jianfeng Beijing University of Chemical Technology, China
14:20 14:40	Achieving Sustainability by Additive Manufacturing CHUA Chee Kai Singapore University of Technology and Design, Singapore
14:40 15:00	Session Chair: LI Erping (ZJU) Powering the AI Revolution: The Role of University Pilot Line in the AI Era WU Hanming Zhejiang University, China
15:00 15:20	On Autonomy, Robotics and Control GE Shuzhi Sam National University of Singapore, Singapore
15:20 15:40	Session Chair: CHEN Xiaodong (NTU) AI Empowering Urban Vitality: Exploring the Innovative Paradigm of Human-AI Integration (HAI) WU Zhiqiang Tongji University, China
15:40 16:00	Green Fuels for Maritime XU Zhichuan Jason Nanyang Technological University, Singapore
16:00 16:40	Panel Discussion moderated by ER Meng Hwa Nanyang Technological University, Singapore
16:40 16:45	Closing Remarks
16:45 17:15	Networking Session over Tea
17:15 18:30	Transfer to Dinner Venue (by Invitation only)
18:30	Private Dinner (by Invitation only)