

International Symposium on Bioenergy and Biorefinery (ISBB 2026)

Detailed Session Profile & Technical Program Overview

■ Session Overview

Session Number:	Session #6
Session Title:	Sustainable Aviation Fuels (SAF)
Scope & Focus:	Industrial pathways and catalytic synthesis for upgrading low-carbon resources into biobased transport alternatives and sustainable aviation fuels.

■ Committee & Invited Speakers



SESSION CHAIR

Prof. Zhenglong LI

Zhejiang University
Email: zhenglongli@zju.edu.cn

Zhenglong Li, Qiusi Chair Professor of Zhejiang University, National High-Level Talent, Recipient of Zhejiang Top Talent Program, Director of Sustainable Aviation Fuels Division, State Key Laboratory of Biobased Transport Fuel Technology, Director of the Research Center for High-Value Biomass Utilization, and Director of the Institute of Biobased Chemicals, Quzhou Research Institute & Quzhou Industrial Research Institute of Zhejiang University. In response to China’s national strategies of carbon peaking, carbon neutrality and sustainable development, Professor Li’s research team focuses on the high-value utilization of low-carbon resources including biomass, carbon dioxide and waste plastics, with two core research priorities: biobased liquid fuels and biobased materials. The team has undertaken more than ten national, provincial and ministerial research projects, covering National Key R&D Programs, National Natural Science Foundation of China, national high-level talent funding projects, and major provincial talent programs. Members have published numerous high-impact research papers in top-tier journals such as Journal of the American Chemical Society (JACS), Angewandte Chemie International Edition, Nature Communications, and PNAS. Over 30 invention patents have been filed and granted at home and abroad, among which several have been licensed for technology transfer. The team is currently advancing the industrialization and commercialization of core key technologies including sustainable aviation fuels (SAF) and biobased materials.

SESSION CO-CHAIR**Prof. Karen Wilson**

Griffith University

Email: karen.wilson6@griffith.edu.au

Presentation Title: Catalyst Design for Sustainable Manufacturing

Prof Karen Wilson is Editor in Chief of Sustainable Energy & Fuels (Royal Society of Chemistry), and Professor of Catalysis and co-director of the Surfaces Materials and Catalysis Group at Griffith University in Queensland, Australia. She is also holds visiting Professorships at The University of Liverpool, UK, NANOCAT, University of Malaya, and The Hydrogen Energy and Low Carbon Center at Lanzhou University, China. Previously she held professorial positions at RMIT University (2018-23) and Aston University (2013-17), where she was also Research Director of the European Bioenergy Research Institute and held a prestigious Royal Society Industry Fellowship in collaboration with Johnson Matthey. Prior to this Karen also held academic positions at the University of York and Cardiff University, and was awarded her BA(Hons) in Natural Sciences (1992) and PhD (1996) from the University of Cambridge. Karen's research interests lie in the design the design of tunable porous materials for sustainable biofuels and chemicals production from renewable resources, on which she has published >320 peer-reviewed articles (h-index 90, >29,000 citations Google Scholar). Karen is also Associate Editor of Energy & Environmental Materials (Wiley), Editorial Board member for Energy & Environmental Science (Royal Society of Chemistry) and Australian representative on the IUPAC Interdivisional Committee on Green Chemistry for Sustainable Development (ICGCSD), and also holds an International Distinguished Fellowship, from the Chinese Academy of Sciences Presidents International Fellowship Initiative, at Dalian Institute of Chemical Physics. She was also a founding co-investigator and theme leader the Australian Research Council Centre of Excellence, 'Green Electrochemical Transformation of Carbon Dioxide' - GetCO₂.

KEYNOTE SPEAKER**Prof. Jijun ZOU**

Tianjin University

Email: jj_zou@tju.edu.cn



Zou Jijun, Chair Professor at Tianjin University, Yangtze River Scholar of the Ministry of Education, and Distinguished Young Scholar of the National Ten-thousand Talents Program for Scientific and Technological Innovation. His research focuses on hydrogen energy and energy chemical engineering. He has presided over key national R&D programs and international cooperation projects funded by the National Natural Science Foundation of China. To date, he has published more than 260 research papers in journals including Nature Energy and Nature Communications, as well as one English monograph and one Chinese monograph. He has been named a Highly Cited Researcher by both Clarivate Analytics and Elsevier.

Professor Zou holds over 50 authorized invention patents in China and the United States. His academic honors include the Second Prize of the National Natural Science Award, the First Prize for Basic Research Achievements from the Chemical Industry and Engineering Society of China (CIESC), the Hou Debang Chemical Science and Technology Innovation Award (CIESC), and the Outstanding Youth Science and Technology Contribution Award from the China Petroleum and Chemical Industry Federation.