

11th International Symposium on CARBON FOR CATALYSIS

邀请函

INVITATION LETTER

The symposium invites fundamental and applied research submissions focused on accelerating the transition to a green and efficient carbon-based energy economy by 2050. We especially encourage contributions exploring the intersection of AI technologies with carbon catalytic processes and their applications in producing green fuels. Topics will include, but are not limited to:

•**T01 - Advanced Synthetic Methods for Carbon-based Catalysts**

Novel approaches for creating carbon-based materials tailored for catalysis and energy storage/conversion.

•**T02 - Carbon Hybrid Organic/Inorganic Catalytic Systems**

Catalysis by carbon-based hybrid materials, multifunctional systems and composites.

•**T03 - Characterization and Simulation with AI Integration**

Use of advanced techniques and theoretical simulations, combined with AI tools, to understand carbon-based materials in catalysis from surface chemistry to electronic structure.

•**T04 - Thermo-catalysis using Carbon-based Materials**

Development of carbon-based catalysts for thermal industry processes.

•**T05 - Electro-, photo-catalysis by Carbon-based Materials**

Exploration of carbon materials in electro-, photo-, and photo (electro)- catalysis.

•**T06 - Environmental Catalysis with Carbon-based Materials**

Applications of carbon-based catalysts for environmental applications/remediation.

•**T07 - Circular Carbon Economy**

Studies on producing carbon-based catalysts from renewable resources and their role in converting natural feedstock.

— Activity time —

May 28-31, 2026 | Beijing • China

Prof. Fei WEI Chairman | Tsinghua University

Prof. De CHEN Chairman | Norwegian University of Science and Technology

Prof. Xiulian PAN Chairman | Dalian Institute of Chemical Physics, CAS

Prof. Qiang ZHANG Chairman | Tsinghua University

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