

Announcement

LOCATION AND TRAVEL: The China National Symposium on Combustion 2016 will be held at the Crowne Plaza Hotel Maanshan, China (No. 99 Huayu Road, Ma'anshan, Anhui, 243000, China, 800-491-6126). This annual symposium is sponsored by National Natural Science Foundation of China and the Chinese Section of the Combustion Institute. The preferred airport for Crowne Plaza Hotel Maanshan is Nanjing (NKG-Lukou Intl.) - 35.3 km / 21.9 mi.

The climate is friendly in October: the average daytime temperature is 20°C/68°F, but sometimes reaches around 30°C/90°F.

LOCAL ARRANGEMENTS: All the technical sessions including the Opening and Farewell ceremony, and poster sessions, will be held at the Crowne Plaza Hotel Maanshan.

Registration will begin on October 21 in the Crowne Plaza Hotel Maanshan lobby. The technical program will be held on October 22-23, 2016.

ACCOMMODATIONS: Special rates have been negotiated with the Crowne Plaza Hotel Maanshan as well as two other hotels within walking distance from the Crowne Plaza Hotel Maanshan.

Please refer to the Symposium website, <http://com2016.csp.escience.cn/>, for updates of information.

Scientists, engineers, and others interested in combustion are invited to attend and participate in this annual symposium.

SYMPOSIUM AGENDA: The technical program will consist of contributed papers and Work-in-Progress poster sessions. Invited lectures and topical reviews will be presented by eminent specialists.

PROGRAM COMMITTEE and COLLOQUIA

Program Co-Chairs:

Naian Liu

University of Science and
Technology of China

Mingfa Yao

Tianjin University

Hong Yao

Huazhong University of
Science and Technology

1. COMBUSTION PROPERTIES AND LAMINAR FLAME including experiments, theory, and simulations applied to premixed, non-premixed, and partially premixed flames along with their ignition, extinction, stabilization, instabilities, and interactions with flows.

Colloquium Co-chairs: **Zheng Chen**, Peking University; **Yuyang Li**, Shanghai Jiao Tong University; **Erjiang Hu**, Xi'an Jiaotong University

2. CHEMICAL REACTION KINETICS including the kinetics of hydrocarbons and oxygenated fuels, NO_x and SO_x, mechanism generation, reduction and simulation (informatics) of reaction systems.

Colloquium Co-chairs: **Xiaoqing You**, Tsinghua University; **Zhenyu Tian**, Institute of Engineering Thermophysics of CAS

3. TURBULENT FLAME AND NUMERICAL ANALYSIS OF COMBUSTION including experiments, theory, simulations applied to premixed, non-premixed, and partially premixed turbulent flames, and fundamental aspects of combustion dynamics.

Colloquium Co-chairs: **Zhuyin Ren**, Tsinghua University; **Kun Luo**, Zhejiang University

4. SPRAY AND DROPLET COMBUSTION including experiments, theory, and simulations applied to droplets, sprays, atomization.

Colloquium Co-chairs: **Xingcai Lv**, Shanghai Jiao Tong University; **Guoxiu Li**, Beijing Jiaotong University; **Yuyin Zhang**, Shanghai Jiao Tong University

5. COMBUSTION TESTING AND DIAGNOSIS including the development and application of diagnostic techniques and sensors for the understanding and control of combustion phenomena.

Colloquium Co-chairs: Bin Yang, Tsinghua University; Fei Wang, Zhejiang University

6. DETONATIONS, EXPLOSIONS and SUPERSONIC COMBUSTION including pulse-detonation, constant volume combustion and scramjet engines, and supercritical combustion.

Colloquium Co-chairs: Wei Fan, Northwestern Polytechnical University; Jianping Wang, Peking University

7. FIRE RESEARCH including fundamental aspects of fires (in normal and reduced gravity), flame spread, combustion suppression as well as applications to building construction and urban/wildland fires.

Colloquium Co-chairs: Longhua Hu, University of Science and Technology of China; Jie Ji, University of Science and Technology of China

8. FORMATION AND CONTROL OF POLLUTANTS AND GREENHOUSE GASES including NO_x and SO_x, oxy-fuel combustion, chemical looping combustion, CO₂ capture processes.

Colloquium Co-chairs: Xiang Gao, Zhejiang University; Chonglin Song, Tianjin University; Junying Zhang, Huazhong University of Science and Technology; Qingyun Su, Dalian University of Technology

9. COMBUSTION AND GASIFICATION OF COAL AND BIOMASS including fundamental aspects of combustion of coal and biomass, including pyrolysis, gasification, and ash formation.

Colloquium Co-chairs: Minghou Xu, Huazhong University of Science and Technology; Rui Xiao, Southeast University; Shuiqing Li, Tsinghua University

10. IC ENGINE and GAS TURBINE COMBUSTION including modeling, simulation, and experiments on phenomenological aspects of IC engines (direct injection, spark ignition, Diesel, and low-temperature combustion (HCCI)) and gas turbines (for propulsion and power generation), as well as fuels research and combustion dynamics (ignition, quenching, thermoacoustics) for this application.

Colloquium Co-chairs: Zhi Wang, Tsinghua University; Min Zhu, Tsinghua University; Haiqiao Wei, Tianjin University

11. NOVEL COMBUSTION CONCEPTS, TECHNOLOGIES AND SYSTEMS including mini- and micro-combustors, catalytic combustion, mild combustion, plasma-aided combustion, hydrothermal reaction, and other novel combustion processes.

Colloquium Co-chairs: Wenjun Kong, Institute of Engineering Thermophysics of CAS; Laihong Shen, Southeast University

SELECTION OF PAPERS FOR PRESENTATION

1. KEY DATES:

- a) June 1-15, 2016: Papers submission
- b) July 31, 2016, Authors notified of acceptance for presentation at the Symposium.

2. INSTRUCTIONS ON SUBMISSION OF PAPERS:

- a) Please use the paper template for editing your paper. Please visit <http://com2016.csp.science.cn/> for downloading the template.
- b) Authors must indicate their choice of Colloquium in the paper after the KEYWORDS section in the template.
- c) Only original work will be accepted.
- d) Submit your paper to Prof. Naian Liu (Program Co-chair) at liunai@ustc.edu.cn.
- e) The Colloquium Co-Chairs (CCCs) will solicit and evaluate written reviews in their topic area. The reviews will be sent to authors and a rebuttal will be requested. CCCs will recommend papers for presentation based on the reviews and rebuttal to assist the Program Co-Chairs (PCCs) in the assembly of the final Symposium program. All accepted papers will be arranged into parallel sessions for oral presentation.

3. PUBLICATION OF PAPERS

Papers accepted for oral presentations will be included in the [Proceedings of the China National Symposium on Combustion 2016](#). Some papers will be selected by the program committee to be published in some journals such as [Journal of Engineering Thermophysics](#), and [Journal of Combustion Science and Technology](#).