Announcement

The China National Symposium on Combustion 2017 will be held at Zhongshan Hotel, Nanjing, Jiangsu Province, China during Oct. 13-15, 2017. This annual symposium is sponsored by National Natural Science Foundation of China and the Chinese Section of the Combustion Institute. All the technical sessions including the Opening and Farewell ceremony, and poster sessions, will be held at Zhongshan Hotel. 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.

The China National Symposium on Combustion has been held annually for many years, and has been a most well-known academic conference in Chinese combustion research. In 2016, approximately 1,200 delegates from 117 institutions in China, United States, Germany, Korea, and Canada attended China National Symposium on Combustion. Six plenary lectures and 12 topical reviews were presented by eminent specialists on multiple topics of fundamental combustion research. In total, 440 oral presentations and 265 posters were presented during the symposium in 2016.

In history, the language for this symposium was only Chinese. From 2016, this symposium starts to accept papers in English, and there is a special section in which presentation is in English. We encourage submissions from attendees who come from different countries or regions. Chinese researchers are also encouraged to submit and present their recent work in English. Paper Template and Instructions for submissions are available at http://combust2017.csp.escience.cn/dct/page/70011. Since the paper submission system is in Chinese, please directly email your paper to Prof. Zheng Chen (Program Co-chair, cz@pku.edu.cn) if you can't read Chinese.

Papers should be submitted to one of the eleven colloquium topics listed on the next page. The schedule for paper submissions is:

- **May 15** – Paper submission begins
- **June 15** – Paper submission deadline
- **August 5** – Notification of accepted paper
- **September 15** – Announcement of final program schedule

Welcome to submit your papers to this most influential combustion research conference in China!

PROGRAM COMMITTEE and COLLOQUIA

Program Co-Chairs:

Naian Liu	Hong Yao	Zheng Chen
University of Science and Technology of China	Huazhong University of Science and Technology	Peking University

1. 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: **Yuyang Li**, Shanghai Jiao Tong University; **Erjiang Hu**, Xi'an Jiaotong University; **Dong Liu**, Nanjing University of Science and Technology

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

Colloquium Co-chairs: **Xiaoqing You**, Tsinghua University; **Feng Zhang**, University of Science and Technology of China

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

Colloquium Co-chairs: **Kun Luo**, Zhejiang University; **Yue Yang**, Peking University

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

Colloquium Co-chairs: **Yuyin Zhang**, Shanghai Jiao Tong University; **Bing Wang**, Tsinghua University; **Xingcai Lv**, 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; **Bo Li**, Tianjin 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; **Mingbo Sun**, National University of Defense Technology

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 NOx and SOx, oxy-fuel combustion, chemical looping combustion, CO_2 capture processes.

Colloquium Co-chairs: **Qingyun Su**, Dalian University of Technology; **Dunxi Yu**, Huazhong University of Science and Technology; **Zhihua Wang**, Zhejiang University; **Yufeng Duan**, Southeast University

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: **Shuiqing Li**, Tsinghua University; **Haibo Zhao**, Huazhong University of Science and Technology; **Shurong Wang**, Zhejiang 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; **Haiqiao Wei**, Tianjin University; **Gaofeng Wang**, Zhejiang 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; **Yun Wu**, Xi'an Jiaotong University