

China
Member of ICHMT, AIHTC, AUTSE
(1) Overview

(China Standard Time, CST: UTC+8, Population: 1.41 billion)

1 Major Societies



Scholars in the field of thermal science and engineering in China mainly belong to the Chinese Society of Engineering Thermophysics (CSET), which was established in 1978 with its main office in Beijing and affiliated with the Institute of Engineering Thermophysics, Chinese Academy of Sciences. There are nearly 3,000 members, including scientific and technological workers from colleges and universities, scientific research institutions and industrial departments in the fields of high-efficiency and low-pollution utilization of energy, aerospace propulsion, power generation, refrigeration, etc. It covers information technology, material science, space technology, environmental protection, advanced manufacturing technology, life science and agriculture and other disciplines.

The CSET conducts academic exchange activities in the disciplines of engineering thermodynamics, heat engine aerodynamic thermodynamics, heat and mass transfer, combustion, multiphase flow, and fluid mechanics. Each discipline branch and professional committee regularly holds national academic conferences every year to encourage interdisciplinary, exchange the latest academic achievements, and promote the development of disciplines.

2 Major Meetings

2.1 CSET Heat and Mass Transfer Conference

Sponsored by the Heat and Mass Transfer Branch of CSET and the National Natural Science Foundation of China (NSFC), the conference is held once a year with a scale of about 1500 people.

2.2 China National Symposium on Combustion

Sponsored by the Combustion Branch of CSET and NSFC, the conference is held once a year with a scale of about 1500 people.

2.3 CSET Engineering Thermodynamics and Energy Utilization Conference

Sponsored by the Engineering Thermodynamics Branch of CSET and NSFC, the conference is held once a year with a scale of about 1000 people.

2.4 CSET Multiphase Flow Conference

Sponsored by the Multiphase Flow Branch of CSET and NSFC, the conference is held once a year with a scale of about 650 people.

2.5 China National Symposium on Aerothermodynamics and Fluid Machinery

Sponsored by the CSET and NSFC, the conference is held once a year with a scale of about 650 people.

3 Major Journals

Journal of Engineering Thermophysics was founded in 1980 by Professor Zhonghua Wu, a famous engineering thermophysicist and academician of the Chinese Academy of Sciences, and is jointly sponsored by CSET and the Institute of Engineering Thermophysics, Chinese Academy of Sciences now. Since 2008, it has changed from bimonthly to single monthly. The journal mainly publishes innovative academic papers on experimental testing methods and techniques in engineering thermodynamics and energy utilization, heat engine aerodynamic thermodynamics, heat and mass transfer, combustion, multiphase flow, fluid machinery and engineering thermophysics research. It actively reports the frontier work of basic theoretical research and applied basic research, actively reports applied research results, and reflects the future development direction and academic level of engineering thermophysics.

4 Foundations of Scientific Research



The NSFC has established Key Program, General Program, Youth Program and other programs to support original scientific research. At the same time, it has also established talent projects such as the Distinguished Young Scholars Fund and the Excellent Young Scientists Fund (including overseas projects) to explore and support scholars with academic potential to make important contributions to the development of the discipline.

5 Major Universities and Research Institutes

(The fourth round of discipline assessment A and above universities)

- ✓ Tsinghua University <https://www.tsinghua.edu.cn/>
- ✓ Xi'an Jiaotong University <http://www.xjtu.edu.cn/>
- ✓ Shanghai Jiao Tong University <https://www.sjtu.edu.cn/>
- ✓ Zhejiang University <https://www.zju.edu.cn/>
- ✓ Tianjin University <http://www.tju.edu.cn/>
- ✓ North China Electric Power University <https://www.ncepu.edu.cn/>
- ✓ Harbin Institute of Technology <http://www.hit.edu.cn/>
- ✓ Huazhong University of Science and Technology <https://www.hust.edu.cn/>
- ✓ Institute of Engineering Thermophysics, Chinese Academy of Sciences <http://www.etp.ac.cn/>

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