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## Advances in Combustion and Thermodynamics of Internal Combustion Engine

Guest Editors:

**Prof. Dr. Baowei Fan**

School of Energy and Power  
Engineering, Jiangsu University,  
Zhenjiang 212013, China

**Dr. Jiaying Pan**

School of Mechanical  
Engineering, Tianjin University,  
Tianjin 300072, China

**Dr. Yuqiang Li**

Department of Energy Science  
and Engineering, Central South  
University, Changsha 410083,  
China

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### Message from the Guest Editors

Dear Colleagues,

Advanced combustion modes and novel thermodynamic cycles are important aspects of achieving high-efficiency, clean, and low-carbon development of internal combustion engines. Under the background of carbon neutrality, whether it is to continuously break through the thermal efficiency limits or improve the comprehensive thermal efficiency of variable operating conditions, the combustion of advanced engines will move towards extreme operating conditions, which will result in combustion instabilities and irregular combustion problems.

This Special Issue aims to present and disseminate the most recent advances related to the combustion theory, combustion technologies, ignition technologies, combustion experiments and simulations, advanced thermodynamic cycles, low-carbon, and carbon-neutral fuels, pre-ignition and engine knock, and conventional and non-conventional emissions of internal combustion engines.

Prof. Dr. Baowei Fan  
Dr. Jiaying Pan  
Dr. Yuqiang Li  
*Guest Editors*



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# Special Issue



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### **Prof. Dr. Enrico Sciubba**

Department of Mechanical and  
Industrial Engineering, University  
Nicolò Cusano, 00166 Roma,  
Italy

## Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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*Energies* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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