



# The First International OpenFOAM Combustion Workshop

June 19-20, 2023

Chongqing, China

<https://blog.nus.edu.sg/ofcw/home>



## Call for Abstract

Fuel combustion is and will still be the key energy conversion process in modern energy landscape. To decarbonize the combustion process, it is of great importance to reveal the detailed physical and chemical processes in order to develop novel technologies. The open-source package, OpenFOAM, has played increased role in both fundamental and applied combustion research due to its modularized structure and comprehensive libraries. This workshop aims to discuss the recent progress and challenges and to facilitate the collaborations in numerical studies of combustion science and technology with OpenFOAM in different areas, including but not limited to:

- Laminar and turbulent combustion
- Supersonic combustion and detonation
- Spray and heterogeneous combustion
- New combustion technologies
- Chemical kinetics and emissions
- Gas turbines, engines and furnaces
- Fire and explosions
- AI and high-performance computing

## Scientific Committee

Kai Hong Luo	Tsinghua University/UCL	Hai Wang	Stanford University
Hong Im	King Abdullah University of Science and Technology	Zheng Chen	Peking University
Matthew Cleary	University of Sydney	Venkat Raman	University of Michigan
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Tommaso Lucchini	Politecnico di Milano	Jennifer Wen	University of Surrey
		Ville Vuorinen	Aalto University

## Local Organizer

Huangwei Zhang	National University of Singapore	Wei Yao	Chinese Academy of Sciences
Tianhan Zhang	SUSTech	Wang Han	Beihang University
Tai Jin	Zhejiang University	Zhi X. Chen	Peking University
Bosen Wang	Beihang University	Xiaolong Gou	Chongqing University

## Important Date

1. Abstract submission: Mar 8-31, 2023
2. Notification of abstract acceptance: Apr 8, 2023
3. Early bird registration: Apr 8-30, 2023
4. Conference date: Jun 19-20, 2023

## Abstract Submission

Maximum 300 words, submission template and instruction can be found in workshop website. Accepted submissions will be presented for invited lecture or poster.

## Venue

The workshop will be held at Liangjiang Genting Grand Hotel, Chongqing, China. Chongqing has made significant strides in developing its high-tech industries and promoting innovation and entrepreneurship. Despite rapid development, Chongqing still maintains its unique character and cultural heritage, making it a fascinating destination for visitors and a dynamic centre for academic and cultural exchange.



## Contact

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