The International Multiphase Flow Technology Forum – 2023

April 21 - 24, 2023 // Haikou, Hainan, China

IMFTF 2023

Announcement

Organized by:

- International Multiphase Flow Technology Forum

Sponsored by:

- China University of Petroleum-Beijing
- Chinese Society of Particuology

Hybrid conference:

- Offline: Haikou & Online: Zoom

Background

Multiphase flows are of high relevance in a number of industrial processes. Research in multiphase flows encompasses scientific and engineering disciplines, different technological contexts, a wide spectrum of different scales and a multitude of different analytical and experimental approaches. To have a better understanding of multiphase flows and to establish reliable computational models, experimental and computational techniques are of high relevance. The International Multiphase Flow Technology Forum (IMFTF) aims to help exchange knowledge and share experiences within the international community.

The IMFTF's main objectives are to promote scientific and technical communication as well as to foster collaborations among researchers. Typical areas, where we aim to make an impact, range from fundamental research in Computational and Experimental Methods for Multiphase Flows, Bubbly and Droplet Flows, Particle-laden Flows, Turbulence in Multiphase Flows, to industrial applications in Reactive Multiphase Flows, Granular Media, Fluidization, Cavitation, Nucleation, Mixing, Collision, Agglomeration and Breakup and Flow Instabilities.

The IMFTF hopes to stimulate discussion and make an impact on the future directions of important scientific areas. The IMFTF welcomes discussion and works on new problems in the field and aims at expanding the boundaries of essential knowledge to solve challenging problems.

Call for Papers

IMFTF2023 will focus on the following topics (including but not limited to):

- **Fundamental research** in Computational and Experimental Methods for Multiphase Flows, Bubbly and Droplet Flows, Particle-laden Flows, Turbulence in Multiphase Flows.
- **Industrial applications** in Reactive Multiphase Flows, Granular Media, Fluidization, Cavitation, Nucleation, Mixing, Collision, Agglomeration and Breakup and Flow Instabilities.
- **New version of multiphase flow in process engineering**

Abstract Submission

Papers will be selected based on their one-page abstract including results and figures. Papers should include the title, the authors' names and affiliations, a concise statement of the problem, method of approach, results and discussion, and conclusions. Please identify the corresponding author. Electronic submissions are strongly encouraged.

Full paper submission is optional. Selection of papers for special issues in some international journals (such as *Petroleum Science* and *Particuology*) will be based on full papers. Template is attached for your reference. Please submit your abstract by the link below:

Abstract Submission:

https://imftf2022.scimeeting.cn/en/web/index/

Registration Fees

- **Normal Registration**

Regular：2400 CNY (380 USD)

Student：1900 CNY (300 USD)

- **Online Registration**

Regular：1300 CNY (200 USD)

Important Dates

Abstract:

- Deadline of submission — Mar. 10th, 2023
- Notification of acceptance — Mar. 17th, 2023
- Close of abstracts — Mar. 24th, 2023

Organizing Committee

- General Chair — Raffaella Ocone, Heriot-Watt University, UK

Conference Secretariat

Secretariat: Jun Yao

College of Mechanical and Transportation Engineering, China University of Petroleum-Beijing
Tel. +86-17710098569; E-mail: yaojun@cup.edu.cn

Conference Venue

Hilton Haikou Meilan, Haikou, China

2 Qiongshan Avenue, Meilan District Haikou, 571126, China

Accommodation Information

Conference Hotels:

Hilton Haikou Meilan, Haikou, China

2 Qiongshan Avenue, Meilan District Haikou, 571126, China

❖ Special rate for participants at 580 CNY/night/room, with 1-2 Breakfasts.

International Committee Member

Abd Rashid Abd Aziz	Universiti Teknologi PETRONAS	Malaysia
Timothy Hunter	University of Leeds	UK
Shuji Matsusaka	Kyoto University	Japan
Yuichi Murai	Hokkaido University	Japan
Raffaella Ocone	Heriot-Watt University	UK
Mark Read	University of Birmingham	UK
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Jian Su	Federal University of Rio Janeiro	Brazil
Masahiro Takei	Chiba University	Japan
Takuya Tsuji	Osaka University	Japan
Haigang Wang	Chinese Academy of Sciences	China
Wei Yan	Technical University of Denmark	Denmark
Yong Yan	University of Kent	UK
Jun Yao	China University of Petroleum-Beijing	China

(In alphabetical order by last name)

Haikou City

Haikou is the center of politics, economy, science and technology and culture of Hainan Province and has a permanent resident population of 2.87 million. It is located at the northern edge of low latitude and has tropical monsoon climate. It is not cold in winter, not hot in summer, evergreen, warm and comfortable. Hilton Haikou Meilan is located at the beautiful east coast of Haikou and far away from the hustle and bustle of the city but with convenient transportation. The hotel offers a wide variety of dining options as well as perfect and modern conference and accommodation facilities, which provide a unique accommodation experience for travelers.

Travel and Tourism Information

From the hotel, it takes about 25 minutes to Haikou Meilan International Airport, 20 minutes to Meilan Station of East Ring High-speed Railway and 25 minutes to Haikou East High-speed Railway Station.

Near this hotel, by 10 minutes' driving, there is a National AAA class park, Baisha Gate Garden. In addition, Haikou Shishan Volcano Group National Geopark and Haikou Tropical Wildlife Park is about 15 and 27 kilometers from Haikou City, respectively.

Acknowledgement

中国颗粒学会
Chinese Society of Particuology