The First Announcement of Call for Papers

3rd International Multiphase Flow Technology Forum

(IMFTF2026)

7th to 9th July 2026, University of Leeds, United Kingdom

Background

Multiphase flows are of high relevance in many industrial processes. Research in multiphase flows encompasses various scientific and engineering disciplines, different technological contexts, a 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, Fluidisation, 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 these challenging problems.

Organization

International Multiphase Flow Technology Forum (IMFTF); Leeds Institute of Fluid Dynamics (https://fluids.leeds.ac.uk/) University of Leeds; China University of Petroleum; Xi'an Jiaotong University.

Chairs

Dr. Timothy Hunter, Deputy Director - Leeds Institute of Fluid Dynamics, University of Leeds, United Kingdom.
Prof. Liejin Guo, Xi'an Jiaotong University, China.

Call for Papers

On behalf of the organising committee, we warmly welcome you to participate in the 3rd International Multiphase Flow Technology Forum (IMFTF2026), to be held **7-9 July, 2026** at the **University of Leeds**, UK. IMFTF2026 will focus on the following topics (including but not limited to):

- Fundamental research and new developments in Computational Fluid Dynamics for Multiphase Flows; including Bubbly and Droplet Flows, Particle-laden Flows, Turbulence in Multiphase Flows.
- New developments in experimental approaches for multiphase flow measurement.
- Industrial applications in Reactive Multiphase Flows, Granular Media, Fluidisation, Cavitation, Nucleation, Mixing, Collision, Agglomeration and Breakup, and Flow Instabilities.
- New applications of multiphase flows in energy systems and process engineering.
- New developments in measurements and simulations combining machine learning (ML) and AI.

Important Dates (exact dates TBC)

- Call for papers: July 2025
- Deadline of abstract submission: January, 2026
- Notification of abstract acceptance: February, 2026
- Early bird registration deadline: March, 2026
- Conference: July 7-9, 2026

International Scientific Committee

- Liejin, Guo (Xi'an Jiaotong University, China)
- Abd Rashid Abd Aziz (Universiti Teknologi PETRONAS,Malaysia)
- Bofeng, Bai (Xi'an Jiaotong University, China)
- Timothy Hunter (University of Leeds, UK)
- Sepideh Khodaparast (University of Leeds, UK)
- Bona Lu (Institute of Process Engineering, Chinese Academy of Sciences (CAS), China)
- Shuji Matsusaka (Kyoto University, Japan)
- Yuichi Murai (Hokkaido University, Japan)
- Raffaella Ocone (Heriot-Watt University, UK)
- Mark Read (University of Birmingham, UK)
- Cem Sarica (The University of Tulsa, USA)
- Yansong Shen (University of New South Wales, Australia)
- Marco Da Silva (Johannes Kepler University Linz, Austria)
- Henrik Ström (Chalmers University of Technology, Sweden)
- Jian Su (Federal University of Rio Janeiro, Brazil)
- Masahiro Takei (Chiba University, Japan)
- Takuya Tsuji (Osaka University, Japan)
- Haigang Wang (Beihang University, China)
- Wei Yan (Technical University of Denmark, Denmark)
- Yong Yan (University of Kent, UK)
- Wuqiang Yang (University of Manchester, UK)
- Jun Yao (China University of Petroleum, China)
- Kit Windows-Yule (University of Birmingham, UK)
- Jianfu Zhao (Institute of Mechanics, CAS, China)

(in alphabetical order by last name)

Conference Venue

University of Leeds was granted royal charter in 1904 and is one of the largest universities in the UK. It is part of the Russell Group of research-intensive universities and is renowned globally for the quality of our research and teaching. The **Leeds Institute of Fluid Dynamics** is a cross-disciplinary research institute that brings together expertise in a collaborative framework to maximize the effectiveness and impact of fluids research.

Leeds is the capital of West Yorkshire in England is an international metropolis and one of the largest cities in the UK. Leeds is the second-largest financial and legal centre in the UK, and a key economic, commercial, industrial, and cultural hub in central England. It is one of the eight core cities in England, with a well-developed railway and road network connecting southern England and Scotland. The city is connected to Liverpool via a canal, leading to the Irish Sea. Leeds Bradford International Airport is located just three kilometres northwest of the city, while there are good rail connections to Manchester airport and Heathrow airport (London).

Contact Information

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