

Micro and Nano Flows 2021

(MNF2021)

24-26 May, Imperial College London, UK



Announcement and call for abstracts: MNF2021

(online conference)

Dear Colleagues,

It gives us great pleasure to announce the 7th International Conference on Micro and Nano Flows (MNF2021) that will take place as an online conference hosted by Imperial College London from 24-26 May 2021.

As with previous conferences the focus of MNF2021 will be on all aspects of thermal and fluid phenomena on the micro and nano scale, covering theory,

computations, experiments and applications and encompassing thermofluids engineering and biomedical fluid mechanics among other areas.

Topics that will be covered, both for Thermofluids and Biomedicine, include:

- Applications in cooling of high flux devices - single and two phase
 - Biomedical flows
 - Boiling and condensation in micro systems
 - Experimental approaches
 - Flow in Bioprocessing Equipment at Micro Levels
 - Heat exchangers and reactors
 - Heat transfer applications at micro and nano scales
 - Mathematical and computational approaches
 - Measuring, sensing and control
 - Micro and nano flow fundamentals
- Micro and nano-engineered surfaces for single and two-phase heat transfer (including surfaces related pool boiling and condensation studies)
- Micro and nano-engineered surfaces for single and two-phase heat transfer
 - Micro Flows in Medical Devices (including Lab-on-Chip Devices)
 - Microcirculation and biomedical flow structures
 - Mixing and design
 - Nanofluids and Applications
 - Pumps and other devices
 - Single phase heat transfer in micro systems

A highly distinguished collection of invited speakers has been secured with an opening Plenary talk by Professor Detlef Lohse (Twente), and Keynote Addresses by Professors Lydia Bourouiba (MIT), John Thome (EPFL), Sung Jin Kim (KAIST), Douglas H. Kelley (Rochester), Xiao-Dong Wang (North China Electric Power University), and James Moore (Imperial College)

More details including Key Dates and details about the programme (as it becomes available)

can be found at the conference website: <https://www.micronanoflows.com/mnf2021>

Abstract submission is now OPEN.

Please follow the link [HERE](#) for instructions on how to submit an abstract. An abstract (2 page maximum) should be prepared in advance. Templates are provided on the website for both Latex and Word preparation.

Any questions can be directed to the Secretary of the Local Organising Committee: martin.cooper@imperial.ac.uk

We look forward to collaborating with colleagues from across the world in what promises to be a very successful online conference, bringing together international experts in all aspects of micro and nano flows.

With kind regards,

Demetrios T. Papageorgiou (Chair of Local Organising Committee)

Martin Cooper (Secretary to the Local Organising Committee)

Sam Au (Local Organising Committee)

Valeria Garbin (Local Organising Committee)

Yannis Hardalupas (Local Organising Committee)

Christos Markides (Local Organising Committee)

And

Tassos Karayiannis (Conference Chair)

Francesco Coletti (Scientific Secretary)