First Call

14th International Conference on Computational Heat and Mass Transfer

ICCHMT 2023

September 4-8, 2023 | Düsseldorf, Germany

The organizers are pleased to announce the 14th International Conference on Computational Heat and Mass Transfer (ICCHMT 2023) to be held in Düsseldorf, Germany, in September 04-08, 2023.

CONFERENCE HISTORY

1999 – Cyprus
2001 – Rio De Janeiro, Brazil
2003 – Banf, Canada
2005 – Paris, France
2007 – Canmore, Canada
2009 – Guangzhou, China
2011 – Istanbul, Turkey
2015 – Istanbul, Turkey
2016 – Cracow, Poland
2017 – Seoul, Korea
2018 – Cracow, Poland
2019 – Rome, Italy
2021 – Paris, France

OBJECTIVES AND COVERAGE

The conference has heat and mass transfer in focus, the backbone of a wide range of applications, especially in energy/thermal engineering. With today's urgent needs on efficient use of energy resources, coupled with environmental concerns, the importance of the topic is more obvious. The conference addresses development and application of computational methods, without excluding experimental and theoretical approaches, as means of validation.

Computational methods can cover a wide range, form macro to nano scales, using continuum or discrete mechanics. The conference provides a platform for scientists and engineers to meet regularly in a relaxed environment to discuss new ideas and developments, as well as a good opportunity for young scientists and engineers to explore the art of the computational methods and future perspectives.

The conference covers the development and application of computational methods in all areas pertaining to fluid flow, heat and mass transfer, examples of which are listed below.

Aeronautical and Space Appl.
Biomedical Engineering
Bio-inspired Flow and Heat Tr.
Combustion
Compressible Flows
Buoyancy-Driven Flows
Double Diffusive Convection
Energy Storage
Environmental Flows
Fluid Machinery
Granular Flows
Heat Exchangers / Heat Pipe
Heating, Ventilating, Air Cond.
Hydrology
Manufacturing/Materials Proc.
Marine / Ocean Engineering
Micro/Nano Heat and Mass Tr.
Mixing Devices and Phenomena
Multi-Phase Flows
Multi-Physics Applications
Non-Newtonian Flows
Nuclear Applications
Particle Laden Flows
Phase Change
Porous Media
Reactive Flows
Renewable Energies
Turbulent Flows
Vehicle Design
Wind Engineering
Waste Management & Disposal
Other Related Topics

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