

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

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

ORGANIZERS

Prof. Dr. A. Mohamad, Univ. Calgary, Canada, *Founding Chair*
 Prof. Dr. A. C. Benim, Düsseldorf Uni. Appl. Sc., Germany, *Local Chair*
 Prof. Dr. R. Bennacer, ENS Paris-Saclay, France, *Co-Chair*
 Prof. Dr. P. Oclon, Cracow Univ. of Technology, Poland, *Co-Chair*
 Prof. Dr. Suh, Sang-Ho, Soongsil University, Korea, *Co-Chair*
 Prof. Dr. J. Taler, Cracow Univ. of Technology, Poland, *Co-Chair*

SCIENTIFIC ADVISORY BOARD

Bakir F, Art&Metiers Inst. T., France	Luke A, Univ. Kassel, Germany
Bayazitoglu Y, Rice Univ., USA	Lund H, Aalborg Univ., Denmark
Butrymowicz D, Białystok U, Poland	Nagayama G, Kyushu I. Tech., Japan
Cetin B, Bilkent Univ., Turkey	Nandakumar K, Louisiana St. U. USA
Cheng P, Shang, Jiaotong Un., China	Ohara T, Tohoku University, Japan
Chikh S, USTHB, Algeria	Oka S, VINČA, Serbia
Chorowski M, Wrocław Uni., Poland	Olsen JE, SINTEF, Norway
Chung JT, Korea University, Korea	Orfi J, KSU, Saudi Arabia
Costa MEV, Un., of Aveiro, Portugal	Polifke W, TU Munich, Germany
Cruchaga M, Univ. Santiago, Chile	Pop I, Univ. Cluj-Napoca, Romania
De Lemos M, Inst. Tecn. Aer., Brazil	Sattelmayer T, TU Munich, Germany
De Lieto Vollaro R, Roma Tre, Italy	Schnell U, Univ. Stuttgart, Germany
Dhinakaran S, IIT Indore, India	Splithoff H, TU Munich, Germany
Duic N, Univ. of Zagreb, Croatia	Sunden B, Lund University, Sweden
Dursunkaya, Z, METU, Turkey	Sheremet MA, Tomsk St. U., Russia
Epple B, TU Darmstadt, Germany	Suryan A, Eng. C. Trivandrum, India
Ghajar A, Oklahoma State Un., USA	Tao WQ, Xian Jiaotong Univ., China
Gnutek Z, Wrocław U. Tech., Poland	Taler D, Cracow Uni. Techn., Poland
He YL, Xi'an Jiaotong Univ., China	Rao RV, SV NIT, India
Incecik A, Univ. Strathclyde, UK	Vallati A, Sapienza University, Italy
Jasak H, Univ. of Zagreb, Croatia	Wang BC, Univ. Manitoba, Canada
Kakac S, TOBB University, Turkey	Wang G, Beijing Inst. Techn., China
Kim HD, Andong Nat'l Uni., Korea	Wang QW, Xian Jiaotong Uni., China
Kim YJ, Sungkyunkwan Un., Korea	Watanabe S, Kyushu Univ., Japan
Khelladi S, Art&Met. Inst. T, France	Wiedermann A, MAN, Germany
Koudri S, Sorbonne Univ., France	Yamamoto K, Nagoya Univ., Japan
Lewis RW, Swansea University, UK	Yan J, KTH, Sweden
Li MJ, Xian Jiaotong Univ., China	Zarzalis N, Karlsruhe I.T., Germany
Lien FS, Univ. of Waterloo, Canada	

CONTACT

Local Chair: Prof. Dr.-Ing. habil. Ali Cemal Benim
 Secretariat: Cansu Özman
<https://www.icchmt2023.de>
contact@icchmt2023.de
 +49 211 43 51 3838

