

MARK YOUR CALENDAR

18th INTERNATIONAL HEAT TRANSFER CONFERENCE

Rio de Janeiro, Brazil, August 02 – 07, 2026

<https://ihtc18.org/>



Source: Rio Convention & Visitors Bureau, <https://visitrio.com.br/>

The International Heat Transfer Conference (IHTC) is the most important event worldwide for researchers and professionals working on heat transfer, as well as on thermal sciences and engineering. The 18th edition of IHTC will take place in Rio de Janeiro, Brazil. IHTC-18 is organized under the auspices of the Brazilian Society of Mechanical Engineering and Sciences – ABCM and of the Assembly of International Heat Transfer Conference – AIHTC.

OBJECTIVE

The goal of IHTC-18 is to provide a forum for the exchange of ideas, methods and results on fundamental and applied topics involving heat transfer, as well as thermal sciences and engineering in general. Topics for original contributions include, but are not limited to:

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| ➤ Aerospace | ➤ Laws of thermodynamics |
| ➤ Analytical, numerical and hybrid solution methods | ➤ Materials processing and manufacturing |
| ➤ Basic and coupled heat transfer modes | ➤ Micro and nanoscale heat transfer |
| ➤ Bioheat transfer with applications in biology and medicine | ➤ Multiphysics problems |
| ➤ Boundary layer flow and heat transfer | ➤ Single and multiphase flow and heat transfer |
| ➤ Combustion and fire modelling | ➤ Solidification and melting |
| ➤ Energy conversion and storage | ➤ Sustainability |
| ➤ Environmental heat transfer and global warming | ➤ Thermal properties of substances |
| ➤ Heat engines | ➤ Thermodynamic cycles |
| ➤ Internal flow and heat transfer | ➤ Turbulence modelling |
| ➤ Inverse problems | ➤ Ultrafast heat transfer processes |

PUBLICATION

Abstracts will be reviewed for the verification of possible contributions regarding their originality, relevance and adherence to the conference scope. Authors of accepted abstracts will be invited to submit regular conference papers, which must be original and of high quality. The high standards of papers contributed to previous IHTC conferences will be maintained in the peer-review process of IHTC-18. Plenary, keynote and regular conference papers will be published in the International Heat Transfer Conference Digital Library, which is maintained by Begell House Inc.