

## **CALL FOR PAPERS**

# **18<sup>th</sup> INTERNATIONAL HEAT TRANSFER CONFERENCE**

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

**<https://ihtc18.org/>**



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



Source: <https://www.rio.com/>

The International Heat Transfer Conference (IHTC) is the premier global event for researchers and professionals working in heat transfer, thermal sciences and thermal engineering. The 18<sup>th</sup> edition of IHTC will take place in Rio de Janeiro, Brazil. IHTC-18 is organized under the auspices of the Brazilian Society of Mechanical Sciences and Engineering (ABCM) and the Assembly of International Heat Transfer Conference (AIHTC).

### **ABSTRACT SUBMISSION IS NOW OPEN!**

Topics for original heat transfer contributions include, but are not limited to:

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| <ul style="list-style-type: none"> <li>➤ Aerospace</li> <li>➤ Analytical, numerical and hybrid solution methods</li> <li>➤ Artificial intelligence</li> <li>➤ Basic and coupled heat transfer modes</li> <li>➤ Bioheat transfer with applications in biology and medicine</li> <li>➤ Combustion and fire modelling</li> <li>➤ Cooling of electronic equipment</li> <li>➤ Energy conversion and storage</li> <li>➤ Environmental heat transfer and global warming</li> <li>➤ Heat engines</li> </ul> | <ul style="list-style-type: none"> <li>➤ Inverse problems</li> <li>➤ Laws of thermodynamics</li> <li>➤ Materials processing and manufacturing</li> <li>➤ Micro and nanoscale processes</li> <li>➤ Multiphysics problems</li> <li>➤ Phase-change phenomena</li> <li>➤ Single or multiphase flows</li> <li>➤ Sustainability and energy transition</li> <li>➤ Thermal properties of substances</li> <li>➤ Thermodynamic cycles</li> <li>➤ Turbulence modelling</li> <li>➤ Ultrafast processes</li> </ul> |
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Abstracts will be reviewed to verify their potential contributions in terms of 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. Papers submitted to IHTC-18 must meet the high standards of previous IHTC conferences and will undergo a rigorous peer review process to ensure their quality. Plenary, keynote and regular conference papers will be published in the International Heat Transfer Conference Digital Library (<https://www.ihtcdigitallibrary.com>).

**DEADLINE FOR ABSTRACT SUBMISSION: September 05, 2025.**