

## CHT-20

### 8<sup>th</sup> International Symposium on ADVANCES IN COMPUTATIONAL HEAT TRANSFER

Rio de Janeiro, August 16 - 20, 2020

<http://www.ichmt.org/cht-20>

#### 2nd Announcement and Call for Papers



Source: Rio Convention & Visitors Bureau, <http://rcvb.com.br/>

The **International Centre for Heat and Mass Transfer** is pleased to announce the **8<sup>th</sup> International Symposium on Advances in Computational Heat Transfer**, CHT-20, to take place in Rio de Janeiro, Brazil, during August 16 - 20, 2020.

#### **OBJECTIVE**

The goal of the symposium is to provide a forum for the exchange of ideas, methods and results in computational heat transfer. Fundamental and applied papers will be welcome.

Topics will include but are not limited to:

- Biological heat transfer
- Boundary layer flow and heat transfer
- Combustion and fire modelling
- Computational methods
- Double diffusive convection
- Energy
- Environmental heat transfer
- Forced convection
- Internal flow and heat transfer
- Inverse problems
- Materials processing and manufacturing
- Micro and nanoscale heat transfer
- Natural convection
- Radiative heat transfer
- Single and multiphase flow and heat transfer
- Solidification and melting
- Sustainability
- Turbulent heat transfer
- Turbulence modelling
- Verification and Validation

#### **SCIENTIFIC PROGRAMME**

The scientific programme will consist of invited plenary and keynote lectures presented by internationally recognized researchers, contributed papers presented in oral or poster sessions, and panel discussions. In addition, an Open Forum session will give authors an opportunity to present new work or work in progress, which is not yet ready for review. Presentations on future directions or neglected problems in CHT will be particularly welcome. The G. de Vahl Davis Best Paper Award will be presented to the authors of the paper judged to be the best at the symposium.

#### **PRESENTATION AND PUBLICATION**

Papers will be selected for presentation and publication on the basis of a one-page initial abstract (which will be assessed to ensure relevance) followed by a review of the full papers. Proceedings will be published by Begell House Inc. on a flash disk and in the ICHMT Digital Library. Papers of archival quality may be submitted for publication in one or more special issues of the Begell House journal, *Computational Thermal Sciences*, or in other journals with substantial changes. At least one author needs to be registered by June 30, 2020 for the paper to be included in the Symposium Program and published in the Conference Proceedings. Presentations in the Open Forum session will not be included in the Symposium Proceedings.

## SCHEDULE OF DATES

One page abstract due:	November 29, 2019
Abstract acceptance:	December 27, 2019
Full text of paper due:	January 31, 2020
Paper acceptance subject to amendment:	April 03, 2020
Final paper due:	May 15, 2020
Early registration deadline and final payment date for publication in Proceedings:	June 30, 2020

## LOCATION

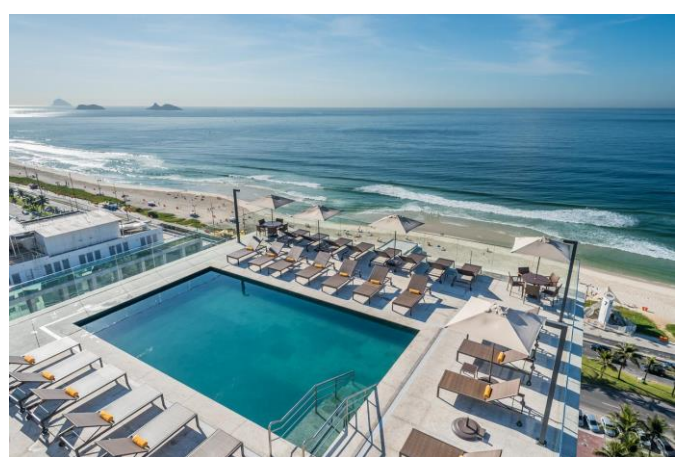
CHT-20 will be held in the Windsor Marapendi Hotel in *Barra da Tijuca*. *Barra da Tijuca* is a modern seaside district of Rio de Janeiro, which can be easily reached from the International and the National Airports. It hosts the Olympic Park, where most of the activities of the Rio 2016 Games were held. *Barra da Tijuca* has the longest ocean beach in Rio de Janeiro, with several options for the practice of outdoor sports and several kiosks on the boardwalk for a great day at the beach with the family. *Barra da Tijuca* is just beside the city mountains, where the exuberant Tijuca Forest Park is located. This district is served by public transportation, including the subway and city buses, with links to the airports, downtown and other districts, like Copacabana and Ipanema.



Source: Windsor Hoteis, <https://windsorhoteis.com/hotel/windsor-marapendi/?lang=en#>

## ACCOMMODATION

The Windsor Marapendi hotel has an excellent location in front of Barra da Tijuca beach and a sophisticated infrastructure. The neighbourhood is renowned for offering outdoor leisure activities, active nightlife, natural resources and distinct cuisine. All Symposium participants can be lodged at this beachfront hotel where the conference will be held. Windsor Marapendi Hotel can be reached from the International Airport in 35 minutes by taxi.



Source: Windsor Hoteis, <https://windsorhoteis.com/hotel/windsor-marapendi/?lang=en#>

## TOUR SUGGESTIONS

In addition to postcards recognized in the four corners of the planet, such as the Christ The Redeemer Statue and the Sugar Loaf hill, Rio de Janeiro has in its essence a busy life, where you can find the best restaurants, bars, nightclubs, museums and much more. Tours will be offered at special rates for the conference participants and accompanying persons.

## CORRESPONDENCE

To ensure that your name is on the e-mailing list for future announcements, please complete and submit the pre-registration form online at the Symposium website.

For scientific enquiries, contact:

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## REGISTRATION

The symposium registration fees (in US Dollars) will be \$550 if paid before June 30, 2020; \$600 for advance registration after that date and \$650 on-site. This will cover participation in all technical sessions, a welcome reception and the Proceedings. Full-time students will pay \$250, subject to proof of status, before June 30, 2020.

## TRAVEL INFORMATION

The official travel agent for CHT-20 is NZ TRAVEL ([www.nztravel.tur.br](http://www.nztravel.tur.br)). Hotel reservations, airline tickets and tours at special rates will be offered at the Symposium website.

## INTERNATIONAL SCIENTIFIC COMMITTEE

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## ORGANIZERS AND SPONSORS

- ICHMT - International Centre for Heat and Mass Transfer
- ABCM - Brazilian Society of Mechanical Engineering and Sciences
- Department of Mechanical Engineering, Politécnica/COPPE, Federal University of Rio de Janeiro
- Department of Mechanical Engineering, Rutgers University
- CAPES - Brazilian Foundation for the Advancement of Graduate Studies
- CNPq - Brazilian Council for Scientific and Technological Development
- FAPERJ - Foundation for Research Development of the State of Rio de Janeiro
- ASTFE - American Society of Thermal and Fluids Engineers