

## CHT-17

### ADVANCES IN COMPUTATIONAL HEAT TRANSFER

#### 1<sup>st</sup> Announcement and Call for Papers



The International Centre for Heat and Mass Transfer is pleased to announce CHT-17, 7<sup>th</sup> International Symposium on Advances in Computational Heat Transfer, to take place in Napoli, Italy, during 28 May - 1 June 2017.

#### OBJECTIVE

The goal of the symposium is to provide a forum for the exchange of ideas, methods and results in computational heat transfer. Papers on all aspects of CHT – both fundamental and applied – 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
- 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 lectures, presented by distinguished researchers, contributed papers, which will be orally presented or in poster sessions, and panel discussions. Further details will be announced on the [CHT-17 website](#). 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. Publication will be 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. Details of the journal submission process may be found on the symposium website.

## SCHEDULE OF DATES

One page abstract due:	October 14, 2016
Abstract acceptance:	November 18, 2016
Full text of paper due:	January 9, 2017
Paper acceptance subject to amendment:	March 6, 2017
Final acceptance:	April 7, 2017
Early registration deadline and final payment date for publication in Proceedings:	April 19, 2015
CHT-17	28 May - 1 June 2017

## LOCATION

The Symposium will take place at [Conference Centre of University of Napoli "Federico II"](#), in Via Partenope 35, Napoli, Italy. Napoli is the most accessible city in southern Italy, well connected to Roma by train (in little over an hour) and by airplane from many European cities. The city was founded in the 6th century BC and is the 3rd largest Italian city (after Roma and Milano). It is the capital of the Campania region. Spring is the ideal season to visit the city due to its mild temperature 22 to 26 °C (72 - 79 °F).

Nowadays, [Napoli](#) can be defined as Italy's most vibrantly authentic city, a perfect mingling of contemporary art scene, superb Renaissance and baroque churches, celebrated restaurants and pizzerias, and finest custom tailors and artisans such as cameo carvers, coral workers, the finest stucco dorés, and cake makers and a vibrant urban street life with noise and bustle.

## TOUR SUGGESTIONS

Napoli city tour; Napoli "underground"; Pompeii; Capri; Amalfi and Sorrento; Positano. Further details on arrangements made by the conference will be given later.

## INTERNATIONAL SCIENTIFIC COMMITTEE

- Sumanta Acharya (USA)
- Bantwal R. Baliga (Canada)
- Gautam Biswas (India)
- Neima Brauner (Israel)
- John C. Chai (UK)
- Ping Cheng (China)
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- Tatiana Gambaryan-Roisman (Germany)
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- Andrey Kuznetsov (USA)
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- Wei Shyy (Hong Kong)
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- Bengt Sunden (Sweden)
- John Thome (Switzerland)
- Victoria Timchenko (Australia)
- Kambiz Vafai (USA)
- Surya P. Vanka (USA)
- Li Qiu Wang (Hong Kong)
- Qiuwang Wang (China)
- X. Zhang (China)

## LOCAL ORGANIZING COMMITTEE

**Chair:** Nicola Bianco, Università degli studi Federico II, Italy;

**Co-Chair:** Sergio Nardini, Seconda Università degli Studi di Napoli, Italy;

**Members:** Assunta Andreozzi, Francesco Calise, Alfonso William Mauro - Università degli studi Federico II, Italy; Bernardo Buonomo, Gino Iannace, Biagio Morrone, Antonio Rosato - Seconda Università degli Studi di Napoli, Italy; Carlo Renno, Università degli studi di Salerno, Italy; Carlo Roselli, Università degli studi del Sannio, Italy

## **REGISTRATION**

The symposium registration fees will be € 450 if paid before April 15, 2015; € 500 for advance registration after that date and € 550 on-site. This will cover participation in all technical sessions, a welcome reception and the Proceedings. Full-time students will pay € 150, subject to proof of status, before April 19, 2017.

Some financial support will be available for students and young researchers from the developing countries, and to others with demonstrated financial difficulties. Application should be made *via* the website.

## **ACCOMMODATION**

Information will be provided in the near future on the Web site, <http://www.ichmt.org/cht-17>.

## **SOCIAL EVENTS AND TOURS**

A welcome reception and conference banquet will be arranged. More information on social and technical tours will be on the Web site, <http://www.ichmt.org/cht-17>.

## **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: <http://www.ichmt.org/cht-17/>

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