

**FIRST ANNOUNCEMENT AND CALL FOR PAPERS:  
Computational Heat and Mass Transfer Special Sessions  
CAIRO (CLOSE TO THE PYRAMIDS), EGYPT**

**CONFERENCE**

4<sup>th</sup> International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT2005)  
Detailed information is available on the following website: <http://www.africaspecials.com/HEFAT2005/>

**CONFERENCE DATE**

**19 to 22 SEPTEMBER 2005**

**ABSTRACTS**

**Deadline: 28 February 2005. E-mail abstracts to [jmeyer@up.ac.za](mailto:jmeyer@up.ac.za)**

**FINAL PAPERS**

**Deadline: 30 April 2005**

Full versions of papers accepted for presentation at the conference are due by the above deadline according to the prescribed guidelines given on the website. The papers will be peer-reviewed by an international panel of experts. If necessary, improvements to the paper content and format could be required before final acceptance. Accepted papers will be published in the conference proceedings. If too many papers are received, selected papers will be scheduled for a poster session (or if requested by the author/s).

**OBJECTIVES**

The objective of this conference is to bring together researchers engaged in the application of experimental, analytical or computational heat and mass transfer, fluid flow, and thermo physical properties.

**PREVIOUS CONFERENCES**

1<sup>st</sup> International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT2002), Kruger National Park, South Africa: 200 papers.

2<sup>nd</sup> International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT2003), Victoria Falls, Zambia: 250 papers.

3<sup>rd</sup> International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT2004), Cape Town, South Africa: 200 papers.

**PLANNED FUTURE CONFERENCES**

5<sup>th</sup> International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT2006), Sun City or Pretoria, South Africa.

6<sup>th</sup> International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT2007), Botswana.

**INVITATION**

Technical papers are invited on topics from any area on experimental and/or computational heat and mass transfer, thermodynamics and fluid flow. Authors are invited to submit, for review, abstracts of approximately 500 words to the address below (preferably by e-mail in Word or in PDF format), including name(s) of author(s), affiliations, e-mail addresses, and complete mailing address of each author. In the case of multiple authors, clearly indicate the name of the co-author responsible for the correspondence. Authors will be informed of the results of the review process before 7 March 2005. Acceptance of abstracts does not guarantee inclusion in the programme and proceedings of the conference. All correspondence concerning Abstracts and Papers should be e-mailed to the e-mail address given below for academic matters.

## **SPECIALIZED SESSIONS**

As part of the conference a few specialized sessions will be offered in computational heat and mass transfer as well as experimental heat transfer as applied to nuclear reactors, condensation, evaporation, multiphase flow, heat exchangers, fluid flow, thermodynamics, and electronic cooling.

The **computational heat and mass transfer** focus areas are:

- Heat transfer through conduction and convection.
- Incompressible and low Mach-number fluid flow.
- Flow in porous materials.

## **KEYNOTE LECTURES**

A number of leading researchers will be invited to deliver keynote lectures.

## **PUBLICATIONS**

Selected papers from the conference will be published in a special issue of the Heat Transfer Engineering journal.

## **CONFERENCE LANGUAGE**

The conference language is English and all papers should be prepared in English. Translation services will not be provided.

## **WELCOME DINNER**

18 September 2005 at 19h00

## **BANQUET**

20 September 2005 at 19h00

## **REGISTRATION COST**

Early bird registration (before 19 June 2005): US\$300

Registration: US\$350

Student registration: US\$200

## **ACCOMMODATION**

A range of cost effective hotels are available in Cairo. See the conference website for more details.

## **CONFERENCE WEB SITE**

The official conference website is: <http://www.africaspecials.com/HEFAT2005/>

## **CONTACT DETAILS**

**Registration, travel, accommodation, tours, visas (non-academic matters):** Eileen at Walthers, [HEFAT@africaspecials.com](mailto:HEFAT@africaspecials.com), (tel.) +27 11 789 3624, (fax) +27 11 789 5255.

**Academic matters (abstracts and papers):** Prof JP Meyer, e-mail: [jmeyer@up.ac.za](mailto:jmeyer@up.ac.za) or faxed to +27 12 362 5124.

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