

**First Announcement  
and  
Call for Papers**

**20<sup>th</sup> National and 9<sup>th</sup> ISHMT-ASME  
Heat and Mass Transfer Conference  
January 4-6, 2010**

To be held at



**Indian Institute of Technology, Bombay  
Mumbai 400076, India**

**Conference Topics**

- Heat transfer by conduction, convection and radiation
- Conjugate heat transfer problems
- Phase change phenomena and multiphase flow
- Computational methods
- Instrumentation and measurement techniques
- Heat and mass transfer equipment and augmentation techniques
- Spray atomization and combustion processes,
- Nuclear heat transfer
- Thermodynamic analysis and energy optimization
- Thermal Power Generation
- Manufacturing and materials processing
- Heat pipes theory and applications
- Chemical and food processing
- Transport processes in bioengineering and biological systems
- Thermal management of electronic equipment
- Clean energy technology and environmental heat transfer
- Nuclear reactor thermal hydraulics
- Cryogenics
- Solar thermal energy
- Hydrogen energy
- Thermal energy storage system
- Micro channel heat transfer
- Nano heat transfer
- Heat transfer in fires and fire mitigation
- Transport properties, Heat transfer in emerging areas

**LOCAL ORGANIZING COMMITTEE**

**Chairman:**

Prof. A.W.Date  
Department of Mechanical Engineering,  
I.I.T., Bombay.

**Co-Chairman:**

Prof. Milind Jog  
University of Cincinnati,  
U.S.A.

**Secretary:**

Prof. K.N.Iyer  
Organizing Secretary, ISHMT 2010  
Department of Mechanical Engineering,  
Indian Institute of Technology, Bombay,  
Powai, Mumbai – 400 076  
INDIA.

Tel: 91 22 2576 7544

Fax: 91 22 2572 6875

Email: ishmt2010@me.iitb.ac.in

URL: <http://www.me.iitb.ac.in/~ishmt2010>

Under the auspices of



**Indian Society for  
Heat and Mass Transfer**



**American Society of  
Mechanical Engineers**

**Important Dates**

January 31, 2009	Last date for receipt of abstract
March 31, 2009	Intimation of acceptance
May 31, 2009	Last date of receipt of full-length papers
August 31, 2009	Acceptance of papers after revision
October 1, 2009	Last date of receipt of camera ready manuscript

## About the Conference

The importance of heat and mass transfer phenomena is ever increasing in established and emerging fields of research. All over the world, intensive research is being carried out on all aspects of heat transfer using theoretical, computational and experimental approaches. In order to foster international collaborations and discussions on heat transfer research, 20th National and 9th ISHMT-ASME Heat and Mass Transfer Conference is scheduled to be held between 4<sup>th</sup> and 6<sup>th</sup> January 2010 at Indian Institute of Technology, Bombay, Mumbai.

More than 500 leading researchers from academia, R&D organizations and industries from various countries are expected to participate in this conference.

## Background

The Indian Society for Heat and Mass Transfer (ISHMT) has been acting as a nodal agency stimulating research by conducting conferences once in two years in different parts of India since its inception in 1971. The next in this series (20<sup>th</sup> National and 9th ISHMT-ASME HMT conference) is being held at Indian Institute of Technology, Bombay, Mumbai in January 2010.

## Paper Submission Information

Abstract of each paper (maximum 300 words) may be submitted to the conference website:

<http://www.me.iitb.ac.in/~ishmt2010>

On acceptance, the full length paper has to be prepared (contributed paper - 8 pages) as per the prescribed format, downloadable from the conference website.

To ensure high standards, all contributed papers will be reviewed by two independent reviewers. Based on the reviewers' comments, the editor will make decision on the acceptance of the papers. To make certain that the reviewers' suggested corrections have been incorporated, authors may be asked to submit the revised manuscript to the editor for final acceptance. Upon final acceptance, a softcopy (both word and pdf file) of the full length paper together with a separate abstract to facilitate publication in the proceedings is to be uploaded in the above-mentioned conference website.

All papers will be included in CDROM proceedings to be released at the time of conference.

## Venue

The Conference will be held at Indian Institute of Technology, Bombay, Mumbai in January 2010.

## Accommodation

Mumbai city has several hotels within a radius of 20 km from the conference venue. Transport will be made available from guest houses/hotels to the conference venue and back. Details of these will be uploaded in conference website.

## About Mumbai

Mumbai is the financial hub of India. Mumbai is also the state capital of Maharashtra. It is located on the western coast of India. The city is well connected by road, rail and air with all major cities such as New Delhi, Hyderabad, Kolkata (Calcutta), Chennai (Madras), Bangalore, etc. It is also directly connected by air to major cities of the world. There are many places of tourist interest in and around Mumbai. The climate in Mumbai is pleasant in January with a temperature around 25° to 30° C.

## **ISHMT-ASME JOINT COMMITTEE**

### **Conference Chairman:**

Prof. S. Srinivasa Murthy,  
IIT Madras,  
Chennai, India  
Email: [ssmurthy@iitm.ac.in](mailto:ssmurthy@iitm.ac.in)

### **Conference Co-Chairmen:**

Prof. A.W.Date,  
IIT Bombay,  
Mumbai, India  
Email: [awdate@me.iitb.ac.in](mailto:awdate@me.iitb.ac.in)

Prof. Milind Jog  
University of Cincinnati,  
Cincinnati, Ohio, U.S.A.  
Email: [Milind.Jog@Uc.edu](mailto:Milind.Jog@Uc.edu)

### **Conference Secretaries:**

Prof. K.N. Iyer,  
IIT Bombay,  
Mumbai, India.  
Email: [kiyer@iitb.ac.in](mailto:kiyer@iitb.ac.in)

Prof. T. Sundararajan,  
IIT Madras,  
Chennai, India  
Email: [tsundar@iitm.ac.in](mailto:tsundar@iitm.ac.in)

## **COORDINATING SCIENTISTS**

### **USA**

Prof. Milind A. Jog  
Department of Mechanical Engineering  
University of Cincinnati, Cincinnati, OH  
45221  
Phone: 513-556-1675  
Fax: 513-556-3390  
Email: [Milind.Jog@Uc.edu](mailto:Milind.Jog@Uc.edu)

### **Canada**

Prof. Sanjeev Chandra  
Dept. of Mechanical & Industrial Engg.  
University of Toronto  
Toronto, Ontario, Canada M5S 3G8  
Phone: 416-978-5742  
Fax: (416) 978-7753  
Email: [chandra@mie.utoronto.ca](mailto:chandra@mie.utoronto.ca)

### **United Kingdom**

Dr. Vishwas V. Wadekar  
Technology Director, HTFS Research  
Aspen Tech Ltd.  
C 1, Reading International Business  
Centre,  
Basingstoke Road,  
Reading, Berkshire RG2 6DT, U.K  
Tel: 118 922 6414  
Fax: 118 922 6401  
Email:  
[Vishwas.Wadekar@aspentech.com](mailto:Vishwas.Wadekar@aspentech.com)

### **Europe**

Prof. Ulrich Gross  
Technische Universitaet Bergakademic  
Freiberg Institute fuer Waermetechnik &  
Thermodynamik  
09596 Freiberg, GERMANY  
Tel: 373 139 2422  
Fax: 373 139 3655  
E-mail: [gross@iwtt.tu-freiberg.de](mailto:gross@iwtt.tu-freiberg.de)

Prof. Bengt Sundén  
Lund Institute of Technology  
Division of Heat Transfer, Box 118  
22100 Lund, SWEDEN  
Email: [bengts@emvox2.vok.lth.se](mailto:bengts@emvox2.vok.lth.se)

Prof. Dominique Gobin  
Director of Research CNRS (DRZ)  
Campus Universitaire  
G1405, Orsay Cedex.  
FRANCE  
Tel: 169 15 8061  
Fax: 169 15 8060  
E-mail: [gobin@fast.u-psud.fr](mailto:gobin@fast.u-psud.fr)

### **Russia and CIS Countries**

Prof. Leonard L. Vasiliev  
Luikov Heat & Mass Transfer Institute  
220072, P. Brovka, 15, ITMO, Minsk  
Belarus, RUSSIA  
Tel: 172 84 2133  
Fax: 172 32 2513  
Email: [lvasil@hmti.ac.by](mailto:lvasil@hmti.ac.by)

### **South Africa**

Prof J P Meyer  
Department of Mechanical and  
Aeronautical  
Engineering  
University of Pretoria  
Pretoria, SOUTH AFRICA  
Tel: 12 420 2590  
Fax: 12 362 5124  
Email: [josua.meyer@up.ac.za](mailto:josua.meyer@up.ac.za)

### **Brazil & South American Countries**

Prof. Carlos Alberto Carrasco Altemani  
State university of Campinas,  
College of Engineering Mechanics,  
Department of Energy  
Postal UNICAMP-FEM-Of-Box 6122  
University city 13083-860 - Campinas,  
SP - BRAZIL - Post-office box: 6122  
Tel: 19 3788 3274  
Email: [altemani@fem.unicamp.br](mailto:altemani@fem.unicamp.br)

**Australia and New Zealand**

Dr. Ramesh Narayanaswamy  
Department of Mechanical Engineering  
Curtin University of Technology  
GPO Box U 1987  
Perth, WA 6845  
Australia  
Phone: + 61 8 9266 4483  
Fax: + 61 8 9266 2681  
E-mail: r.narayanaswamy@curtin.edu.au

**Asian Countries**

Prof. Muh-Rong Wang  
Department of Aeronautics and  
Astronautics  
National Cheng Kung University  
Tainan, TAIWAN 70101 ROC  
Tel: 62 75 7575 ext.63686  
Fax: 62 38 9940  
Email: wangmr@mail.ncku.edu.tw

Dr. Mohd. Zulkifly Abdullah  
School of Mechanical Engineering  
University Science Malaysia  
Engineering campus  
14300, Nibong Tebal  
Seberang Prai selatan  
Pulau Penang  
MALAYSIA  
Email: mezul@hotmail.com

Prof. Kok Chuan Toh  
School of Mechanical & Production  
Engineering  
Nanyang Technological University  
50 Nanyang Avenue 639798 SINGAPORE  
Tel: 6790 5583  
Fax: 6791 1859  
Email: mkctoh@ntu.edu.sg

Prof. W.Q.Tao  
Xi'an Jiaotong University  
School of Energy & Power Engineering  
28 Xianning Road  
Xi'an, Shaanxi 710049  
CHINA  
Tel: 29 266 9106  
Fax: 29 8266 9106  
Email: wqtao@mail.xjtu.edu.cn

Prof. Masaru Ishizuka  
Dept. of Mechanical Systems  
Engineering  
Toyama Prefectural University  
5180 Kurokawa, Kosugi  
Toyama 939-0398, JAPAN  
Tel: 766 56 7500 Ext.387  
Fax: 766 56 6131  
Email: ishizuka@pu-toyama.ac.jp

Prof. Sung Jin Kim  
Dept. of Mechanical Engineering  
Korea Advanced Institute of Science and  
Technology (KAIST)  
Science Town  
Taejon 305-701, KOREA  
Tel: 42 869 3043  
Fax: 42 869 3210, 5210  
Email: sungjinkim@kaist.ac.kr

**Middle East**

Prof. Ali Nouri Borujerdi  
School of Mechanical Engineering  
Sharif University of Technology  
P.O. Box 11365-9567, Tehran, IRAN  
Tel: 21 6616 5547  
Fax: 21 6600 0021  
Email: anouri@sharif.edu.ir

**India and Remaining Countries**

Prof. K. N. Iyer  
Organizing Secretary, ISHMT 2010  
Department of Mechanical Engineering,  
Indian Institute of Technology, Bombay,  
Powai, Mumbai – 400 076  
INDIA.  
Tel: 91 22 2576 7544  
Fax: 91 22 2572 6875  
Email: ishmt2010@me.iitb.ac.in

Prof. U.N.Gaitonde  
Department of Mechanical Engg.,  
I.I.T., Bombay,  
Mumbai – 400 076  
Tel: 91 22 2576 7508  
Fax: 91 22 2572 6875  
e-mail: gaitonde@me.iitb.ac.in