

PRELIMINARY ANNOUNCEMENT AND CALL FOR PAPERS

The ASME-ATI-UIT 2010 Conference on **Thermal and Environmental Issues in Energy Systems** will be held in Sorrento (Italy) 16 – 19 May, 2010.

The web page of the Conference is available on <http://www.ichmt.org/asme-ati-uit-10>

ABOUT THE CONFERENCE

The ASME-ATI-UIT 2010 Conference on **Thermal and Environmental Issues in Energy Systems** is organized under the auspices of the American Society of Mechanical Engineers (ASME), the Associazione Termotecnica Italiana (ATI) and the Unione Italiana di Termofluidodinamica (UIT) with the aim of providing technical information to their members and to the scientific and industrial community at large. The International Centre for Heat and Mass Transfer (ICHMT) is providing co-sponsorship.

Researchers from universities, research institutions and industries involved in the organization will pursue the goal of providing a forum for the exposure and the exchange of technical information. The Conference will give the opportunity to discuss the state of the art and to present experimental, analytical and numerical results in Thermal and Environmental Issues in Energy Systems.

The topics of the conference include but are not limited to:

- Overview of the global and regional energy scene
- Availability of energy resources
- Basic engineering thermal science
- Thermal fluid dynamics of single- and multi-phase systems
- Heat and mass transfer in porous media
- Micro- and nano- scale heat transfer
- Heat transfer in energetic and environmental systems
- Computational thermal-fluid dynamics
- Refrigeration and air-conditioning including advanced cycles and new refrigerants
- Heat exchangers and heat exchanger systems
- Solar energy including solar thermal and photovoltaic
- Wind and alternative energy systems
- Geothermal energy systems
- Combustion improvements and combustion of new fuels
- Material processing
- Energy conservation in buildings and the improvement of indoor air quality
- Measurement techniques
- Renewable energies
- Energy conversion
- Energy savings in transportation
- Turbomachinery
- Power plants and equipment
- Nuclear power plants
- Heat transfer in fission and fusion nuclear facilities
- Waste heat recovery
- Cogeneration and combined heat and power
- Energy storage—from small to large scale including hot and cold energy storage

IMPORTANT DATES:

Abstracts in English should be submitted in pdf format by 13 November 2009 to asmeatiuit2010@unina.it. They should be no longer than 3 pages and contain information on research purpose, methodology, results and major conclusions. One page should typically contain relevant graphs and figures. The submission template should be downloaded from the conference website.

Authors will be notified by 11 December 2009 about the acceptance of their paper by the Scientific Committee.

Camera ready papers in English are due in pdf format by 26 February 2010. They will be collated on printed books and on a CD. Authors of high quality papers could be invited to submit them to an archival journal.

SCIENTIFIC COMMITTEE

Luigi Bressan – ATI President - Italy
Gian Piero Celata – UIT President - Italy
Sergio Faggiani – Università di Pisa - Italy
Richard J. Goldstein - University of Minnesota - USA
Fabio Gori - Università di Roma Torvergata - Italy
Yogi Goswami – University of South Florida - USA
Giovanni Guglielmini – Università di Genova - Italy
Yogesh Jaluria – Rutgers University – USA
John Lloyd – Michigan State University - USA
Arun Majumdar – University of California, Berkeley – USA
Francesco Martelli – Università di Firenze - Italy
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Terrence Simon – University of Minnesota - USA
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Giuseppe Vella – Università di Palermo – Italy
James Welty – Oregon State University - USA
William Worek – University of Illinois – Chicago - USA

CONTACTS

<p style="text-align: center;">Nicola Bianco</p> <p>Dipartimento di Energetica, termofluidodinamica applicata e condizionamenti ambientali (DETEC) Università degli Studi Federico II Piazzale Tecchio, 80 - 80125 – Napoli – Italy nicola.bianco@unina.it ph. +39 081 7682645 fax + 39 081 2390364</p>	<p style="text-align: center;">Sergio Nardini</p> <p>Dipartimento di Ingegneria aerospaziale e meccanica (DIAM) Seconda Università degli Studi di Napoli Via Roma, 29 - 81031 Aversa (Ce) – Italy sergio.nardini@unina2.it ph. +39 081 5010347 fax + 39 081 5010204</p>
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