



The 2nd Asian-US-European Thermophysics Conference - Thermal Science for Sustainable World

to be held at The Hong Kong Polytechnic University
Hong Kong, China, January 3-6, 2012

ANNOUNCEMENT AND CALL FOR PAPERS

The Conference Organizing Committee and International Scientific Committee of the 2nd Asian-US-European Thermophysics Conference cordially invite you to submit your ideas and insights for consideration in the conference program. The Conference is sponsored by a number of internationally prominent technical and professional organizations and other international professional societies, and will be held at The Hong Kong Polytechnic University, Hong Kong, China, in January 3-6, 2012. With the theme of promoting international cooperation and collaboration in Thermal Sciences for Sustainable World, your participation will gain the significant benefits:

- Receive widespread and global recognition from your industry or scientific community peers.
- Gain valuable information and learn the latest solutions and advances from other Thermophysics and Sustainability speakers and presenters.
- Profit from establishing important new contacts critical to growing your business or enhancing your profession.

CALL FOR PAPERS INFORMATION AND GUIDELINES

The 2nd Asian-US-European Thermophysics Conference is accepting abstract submittals for the Conference. Submit your abstracts online by **April 30, 2011** and take advantage of the opportunity to share your insights with the thermophysics and sustainability industry and scientific community. Topics of interest to the Conference audience will include, but are not limited to, the following topics:

- Overview of the global and regional energy scene
- Climate control and the environment
- Availability of energy resources
- Basic engineering thermal science
- Thermal fluid dynamics of single- and multi-phase systems
- Micro- and nano-technologies in energy 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, CST and CPV
- Wind and alternative energy systems
- Geothermal energy systems
- Fuel cells and hydrogen energy technologies
- Biofuels
- Combustion improvements and combustion of new fuels
- Material processing
- Energy conservation in buildings and the improvement of indoor air quality
- Low/zero energy buildings
- Renewable and alternative energy technologies
- Solar heating and cooling
- Energy systems: design, integration, implementation
- Energy conversion
- Energy savings in transportation
- Energy applications: sustainability, renewable energy
- Combined energy cycles, CHP and CCHP
- Power plants and equipment
- Low/zero emission power plants & carbon sequestration
- Waste heat recovery including using ORC
- Water desalination & distillation systems
- Cogeneration and combined heat and power
- Energy storage – from small to large scale including hot and cold energy storage
- Sustainable cities and communities
- Thermoeconomic analysis
- Industrial engineering applications in renewable and sustainable energy
- Student sessions

ON-LINE ABSTRACT SUBMISSION

Go to <https://www.softconf.com/b/tpc2012> and follow the instructions on submitting your abstract online. If you have any questions, please contact the following people by email:

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CONFERENCE FEE

Regular	US\$450 or HK\$3,500
Regular (Early bird)	US\$400 or HK\$3,000
Full-time student	US\$200 or HK\$1,500

Fee included lunch, coffee breaks, banquet and conference proceeding in CD.

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