


**FIRST ANNOUNCEMENT AND CALL FOR PAPERS**

**5th International Symposium on  
Multiphase Flow, Heat Mass  
Transfer and Energy Conversion  
(ISMIF05)**

July 3-8, 2005  
Xi'an, China



Organized by  
State Key Laboratory of Multiphase Flow  
in Power Engineering,  
Xi'an Jiaotong University, China

**CONFERENCE SCOPE**

After an enthusiastic response to the four past International Symposia held in 1984, 1989, 1994 and 1999, we are pleased to announce that the *5th International Symposium on Multiphase Flow, Heat Mass Transfer and Energy Conversion* will be held in Xi'an, China, on July 3-8, 2005. The focus of the symposium is the fundamental aspects as well as the practical applications of multiphase flow, heat mass transfer and energy conversion to energy, power, chemical, nuclear and petroleum engineering and industry. The conference is intended to provide a platform for active researchers and engineers to exchange ideas and discuss current research trends and future development in these important fields.

**CONFERENCE VENUE**

The conference will be held in Xi'an, Xi'an is the capital city of Shaanxi Province of China. It was called Chang'an in the ancient times, and has a very long history of over 5000 years. 13 ancient dynasties set their capitals in Xi'an. Nowadays Xi'an becomes an attractive international tourist city, famous for its historical remains, such as the City Wall and Terra Cotta Warriors. Xi'an is also famous for its delicious snacks and famous foods. Xi'an is today's strong base area of scientific research, higher education and high-tech zone in China. Xi'an is an international tourist resort as well as a newly emerging industrial city, an attracting and live city in China.

**CONFERENCE PROCEEDINGS FORMAT**

The program consists of an opening plenary session with invited papers followed by several parallel poster sessions. The Proceedings will be published as a CD. In addition, some selected papers will be submitted to the journals including *Experimental Thermal and Fluid Science, Int. J. of Multiphase Flow* and *Int. J. of Hydrogen Energy*.

**TOPICS COVERED**

- Gas-liquid and gas-solid two-phase flows
- Oil-gas-liquid and gas-liquid-solid three-phase flows
- Sprays, plasma flows
- Heat and mass transfer
- Boiling, condensation and other phase change phenomena
- Fluidized beds
- Refrigerants
- Separation and phase interfacial phenomena,
- Particulate dynamics, acoustics and wave phenomena
- Fundamental equations and closure models
- Numerical method and modelling
- Instrumentation
- General applications
- Chemical industrial applications
- Petroleum industrial applications
- Environmental applications
- Sand and dust storm
- Hydrogen production and utilization
- Fuel cell
- Hydrogen energy system analysis and modeling

**IMPORTANT DATES**

- Extended abstract submission (1-3 page) June 1, 2004
- Abstract acceptance notification June 15, 2004
- Complete paper for review Oct. 30, 2004
- Paper acceptance notification Jan. 15, 2005
- Final paper submission Mar. 15, 2005
- Conference July 3-8, 2005

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International Association for Multiphase Flow  
Japanese Society of Mechanical Engineers

**INSTRUCTION FOR ABSTRACTS AND PAPERS**

Abstracts should be submitted preferably by E-mail (smif05@mail.xjtu.edu.cn). Facsimile copies or camera-ready manuscripts will also be acceptable. Abstracts should include the title of the paper, authors and affiliation. All authors should be listed by their full names at the beginning of the abstract. The complete address of the author should be given in the abstract, including his/her company or organization, post address, telephone number, fax number and E-mail address. The author living in China should write down the post addresses in English and Chinese respectively.

Abstracts should be submitted to the conference before July 15, 2004 if the abstract is accepted, the final paper should be submitted before Oct. 30, 2004. The presenter must be one of the authors who has registered at the Conference. At least one author should be registered to ensure that the paper appears in the proceedings.

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Affiliation (Position/Company): \_\_\_\_\_

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( ) I plan to attend the conference.  
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