



KAIST
Department of Mechanical Engineering
Korea Advanced Institute of Science
and Technology
Daejeon, Korea

12ACFM Chairman
Professor H.J. Sung

The Twelfth Asian Congress of Fluid Mechanics

Introduction

The Asian Congress of Fluid Mechanics (ACFM) was organized in Bangalore, India, in 1980 with the intention of encouraging scientific and technical cooperation and exchange among Asian countries. It presents the most recent developments in theoretical, experimental and computational researches as well as industrial and technological advances in the field of fluid mechanics.

The Congresses were originally held every three years. Since 1995, the regulation has been changed to every two years not only to activate the scientific and technical communication but also to promote the friendship of members.

The next 12th ACFM will be held on 18-21, Aug, 2008 in Daejeon city that is the hub of the latest sciences and technologies in Korea. It is the great pleasure of the local committee members to be appointed for this very challenging task. We would like to arrange the 12th ACFM in order to reach the high professional standards as all previous Congresses.

The Congress language is English. It is expected that the Congress will attract many participants from Asian countries. The main goal of the Asian Congress of Fluid Mechanics (ACFM) is to review recent progress achieved in the field of Fluid Mechanics to facilitate the exchange of results and hold discussions on major fluid flow problems among scientists and engineers in this field. The Congress organizers would like to promote a broad cooperation and exchange of new ideas between specialists in order to consolidate recent advances in the fundamental knowledge of fluid mechanics and the industrial processes involved.

The Twelfth Asian Congress of Fluid Mechanics

Asian Fluid Mechanics Committee

Chairman : J.C. Li (China)
Vice-Chairman : P.R. Viswanath (India)
Y. Fukunishi (Japan)
Honorary members : H. Sato (Japan)
R. Narasimha (India)
M. Kiya (Japan)

Members :
Andonowati (Indonesia), Y.T. Chew (Singapore),
M.S. Chong (Australia), J.A. Khan (Pakistan),
A.K.M. S. Islam (Bangladesh), F. Hussain (USA),
S.J. Lee (Korea), S. Majumdar (India), E. Cui (China),
O. Mochizuki (Japan), C.S. Ow (Malaysia),
P. Promvong (Thailand), E. Shirani (Iran),
R.M.C. So (China, Hong Kong), M. Sun (China),
H.J. Sung (Korea), C.P. Tso (Malaysia),
N.V. Diep (Vietnam), S.B. Weerakoon (Sri Lanka)

12ACFM Organizing Committee

Chairman : H.J. Sung
Co-Chairman : K.C. Kim,
N. Hur,
D.S. Lee,
S.J. Lee

Secretary General : D.H. Doh

Members :
M. Baoguo, H. Choi, A. Furukawa, M. Hongwei,
C.-M. Jang, W.G. Joo, C. Kim, H.D. Kim, H.J. Kim,
J.H. Kim, J.-S. Kim, S.R. Kim, H.S. Ko,
O.J. Kwon, I. Lee, J. Lee, Y.-W. Lee, B.C. Park,
J.S. Park, M. Sadatomi, T. Setoguchi, C.H. Sohn,
S. Song, Y.K. Suh, J. Sung, J.Y. Yoon

The Twelfth Asian Congress of Fluid Mechanics

First Announcement and Call for Papers

18-21 August, 2008
Daejeon Convention Bureau, Daejeon, Korea

THE TWELFTH
ASIAN CONGRESS OF
FLUID MECHANICS



Organized by

The Korean Society of Visualization
The Korean Fluid Machinery Association
The Korean Society of Mechanical Engineers
The Korean Society of Computational Fluids Engineering



Technical Scope

Scientists and engineers are cordially invited to attend this Congress and to submit technical papers for presentation or poster. The organizers welcome papers in any branch of fluid mechanics, including :

- Aeroacoustics and aerodynamics
- Astrophysical fluid mechanics
- Boundary layer flows
- Compressible flows and gas dynamics
- Computational fluid dynamics
- Environmental and natural fluid mechanics
- Fluid machinery and industrial fluid mechanics
- Flow control and measurement
- Flow induced noise and vibration
- Flow visualization
- Geophysical fluid mechanics
- Heat and mass transfer
- Hydrodynamics and hydraulics
- Membrane and porous media flows
- Micro and nano fluid dynamics
- Multi-phase and reacting flows
- Non-newtonian flows
- Unsteady flows and rotating flows

Plenary and special speakers will be invited to address the Congress and some special sessions on recent issues concerning fluid mechanics is also planned.

Call for Papers

The medium of communication of the Congress is English and the organizers invite previously unpublished papers written in English in any area of fluid mechanics including those listed above. Guidelines for the preparation of the papers will be sent to all pre-registrants. The papers prepared to the required format should be sent to any one of the following regional representatives on or before 1 December 2007.

- China : Prof. Jiachun Li
Institute of Mechanics Chinese Academy of Sciences (IMCAS)
No.15, Beisihuaxi road, Beijing, 100080, P. R. China
E-mail: jcli05@imech.ac.cn
- India : Dr. P.R. Viswanath
Head, Experimental Aerodynamics Division National Aerospace Laboratories Bangalore 560 017, India
E-mail: vish@ead.cmmacs.ernet.in
- Japan: Prof. Yu Fukunishi
Department of Mechanical Systems and Design Tohoku University
6-6-01 Aramaki-Aoba, Aoba-ku, Sendai, 980-8579 Japan
E-mail: fushi@fluid.mech.tohoku.ac.jp
- Korea: Prof. Hyung Jin Sung
Department of Mechanical Engineering KAIST, Guseong-dong, Yuseong-gu, Daejeon, Korea
E-mail: hjsung@kaist.ac.kr

Deadlines

- Abstract due : 1 Dec. 2007
- Notification of abstract acceptance : 1 Feb. 2008
- Full-length paper due : 1 Mar. 2008
- Notification of paper acceptance : 1 May. 2008
- Camera-ready manuscript due : 1 June 2008
- Final date for advance registration and Hotel reservation : 1 June.2008

Proceedings of the Congress

All papers presented and on posters will be published in the form of a CD-ROM disc, including high-resolution animations. These will be made available at the Congress, together with Book of Abstract

Registration Fee

- Participant:
 - US\$ 400 Registered before/on 1 June 2008
 - US\$ 450 Registered after 1 June 2008
 - Student:
 - US\$ 200 Registered before/on 1 June 2008
 - US\$ 250 Registered after 1 June 2008
 - Accompanying person : US\$100
- Fee covers the Congress materials, participation in technical session, refreshments and lunch during sessions and banquet. Several tour programs will be arranged during the Congress.

Pre-Registration Form

The Twelfth Asian Congress of Fluid Mechanics
18-21 August, 2008, Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea
The Pre-registration form can be sent by e-mail to 12acfm@gmail.com (a complete pre-registration form is available at <http://12acfm.kaist.ac.kr>)
Otherwise, please complete the following form using capital letters and return it as soon as possible by fax at (+82 42) 869 5027 or by mail.

Name (Mr/Ms/Dt/Prof): _____
(First name) (Middle Name) (Family Name)

Organization: _____

Mailing address: _____

Phone: _____

Fax: _____

E-mail: _____

Please mark X in box where applicable

☐ I intend to participate in the Congress

☐ I intend to submit a paper for presentation tentative title of the paper (if possible)

☐ I intend to rent an exhibition space

In the heart of Korea... Daejeon