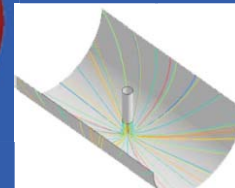
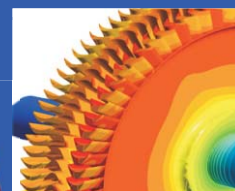
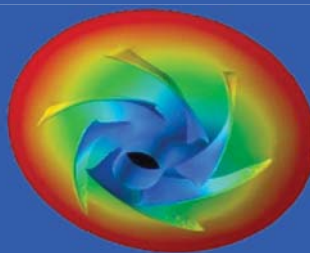
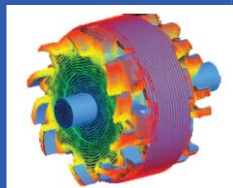
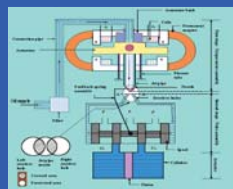




**11th Asian International Conference on
Fluid Machinery
&
3rd Fluid Power Technology Exhibition**

**11th AICFM
&
3rd EMCHAFT**

November 21-23, 2011



Department of Mechanical Engineering,
Indian Institute of Technology Madras, Chennai - 600 036
www.aicfm2011.iitm.ac.in

INTRODUCTION

The 11th Asian International Conference on Fluid Machinery will be organized at Indian Institute of Technology Madras, Chennai during November 21 – 23, 2011 under the auspices of the Asian Fluid Machinery Committee (AFMC), established in 2007.

In order to disseminate the research findings and industry contributions in the areas of Fluid Machinery and Fluid Power, the committee holds the International Conference every two years in different countries across Asia. The Asian Conference on Fluid Machinery was initially held only in Japan and China. From the Fourth Conference (1993), it was elevated as Asian International Conference and the Fifth to Tenth conferences were held in Seoul (1997), Johor Bahru (2000), Fukuoka (2003), Yichang (2005), Jeju (2007) and Kuala Lumpur (2009).

VENUE

Indian Institute of Technology Madras, established by the Government of India in 1959, an internationally acclaimed institution, is noted for its contributions to fundamental and applied research. The Institute, located in a lush green forest covered land of about 250 hectares in south Chennai, has in its roll about 500 faculty members, 6,000 students and 1250 administrative and supporting staff working in various departments and centers.

Chennai is the state capital of Tamil Nadu, a southern state in India. Chennai is the fourth largest city in India and 31st largest city in the world. The city is about 370 years old. Chennai is a coastal city on Bay of Bengal with the second largest beach in the world known as Marina beach. The climate is generally hot and humid; however, it is pleasant in November. The city is well connected by Air, Sea and Road.

OBJECTIVES

- ◆ To provide a platform for sharing of knowledge among researchers in the field of fluid machinery and fluid power.
- ◆ To promote partnership between academia and industry
- ◆ To discuss the role of fluid machinery and fluid Power in the light of sustainable development, depletion of conventional energy sources and environmental challenges.
- ◆ To establish and strengthen the Asian / regional networking

EVENT HIGHLIGHTS

The 11th International Conference will focus on current research topics in different disciplines of fluid machinery, fluid power and related interdisciplinary areas. Eminent personalities will deliver key-note lectures to highlight the recent advancements made in the specialized fields. Thematic sessions, Poster sessions, Industrial sessions and Panel discussions are some of the notable features of the conference. An exhibition EMCHAFT 2011 is also being organized under the auspices of Fluid Power Society of India, Madras Chapter.

CALL FOR PAPERS

Papers in the following areas relevant to fluid machinery and fluid power systems are invited from academicians, engineers, scientists and industry personnel for presentation at the technical sessions.

- ◆ Cavitation
- ◆ Compressors
- ◆ Computational fluid dynamics
- ◆ Electro Hydraulic Systems and Controls
- ◆ Fans and blowers
- ◆ Filtration and Contamination Control
- ◆ Flow meters and valves
- ◆ Fluid dynamics of fluid machinery
- ◆ Fluid Power Components-Design and Technology
- ◆ Fluid Sealing
- ◆ Gas and steam turbines
- ◆ Hydraulic and Pneumatic Systems
- ◆ Hydro turbines
- ◆ Jet technology
- ◆ Microfluidics and MEMS
- ◆ Monitoring and diagnosis
- ◆ Pneumatic Systems and Automation
- ◆ Product Development and Manufacturing Challenges
- ◆ Product Testing and Evaluation
- ◆ Propulsion
- ◆ Pumps
- ◆ Reliability & Maintainability
- ◆ Renewable energy
- ◆ Rotor dynamics
- ◆ System Dynamics and Simulation
- ◆ Vibration and Noise

ABSTRACT SUBMISSION

A 500 word abstract of the papers in MS Word format with Times New Roman 12 font size (single line spacing) should be submitted online through the website (or by email to 11aicfm@gmail.com) before Mar 31, 2011. The abstracts should include title of the paper, name, title and affiliation of authors including their email address and phone & fax numbers. Refer to 'Guidelines to authors' in the website: www.aicfm2011.iitm.ac.in for preparation of manuscript of full paper.

All papers will be peer-reviewed. The review comments will be sent to authors and the papers will be accepted for presentation and publication in the proceedings after incorporating the suggestions, if any, made by the reviewers.

PAPER SUBMISSION FORMAT

The final paper should be submitted in the IJFMS format. This is available in the 'GUIDELINES TO AUTHOR' and in the website: <http://www.ijfms.org/>.

PUBLICATIONS

The authors who will make an early bird registration can submit and publish their papers in IJFMS (International Journal of Fluid Machinery and Systems, <http://www.ijfms.org/>) before the Conference. Papers of Journal Quality as recommended by the reviewers, will be considered for publication in the special issue of IJFMS scheduled after the Conference. The CD Proceedings will contain the papers published in the Journal as well.

PRESENTATION FORMAT OF THE CONFERENCE

All accepted papers need to be presented in oral session. However, in order to increase the effective interaction among the participants, the authors are requested to present their papers also in a poster session, arranged on the same day close to the exhibition venue.

ACCOMMODATION

Selected hotels with tariffs will be placed in the website. The participants are requested to contact the hotels directly for their accommodation requirement. For students, limited accommodation in hostels is available on payment.

REGISTRATION FEE	Academic/ R&D Organizations	Industry	Student
Early Bird Registration (Before September 30,2011) DELEGATES FROM INDIA: DELEGATES FROM OTHER COUNTRIES:	₹ 4,000 US \$ 300	₹ 8,000 US \$ 400	₹ 2,000 US \$ 150
	MEMBERS OF AFMC/FPSI/OTHER SPONSORING SOCIETIES		
	FROM INDIA: FROM OTHER COUNTRIES:	₹ 3,000 US \$ 250	₹ 7,000 US \$ 350
Normal Registration DELEGATES FROM INDIA: DELEGATES FROM OTHER COUNTRIES:	₹ 5,000 US \$ 400	₹ 10,000 US \$ 500	₹ 2,000 US \$ 200
	MEMBERS OF AFMC/FPSI/OTHER SPONSORING SOCIETIES		
	FROM INDIA: FROM OTHER COUNTRIES:	₹ 4,000 US \$ 350	₹ 9,000 US \$ 450

IMPORTANT DATES		
◆	Submission of Abstract	Mar 31, 2011
◆	Notification of Acceptance of Abstract	Apr 15, 2011
◆	Receipt of Full-length Manuscript	May 15, 2011
◆	Notification of Review comments	Aug 30, 2011
◆	Submission of PDF version	Sep 15, 2011
◆	Early bird Registration	Sep 30, 2011
◆	On-spot Registration	Nov 21, 2011

SPONSORSHIP		Amount
1	◆ Advertisement in the Souvenir and display in the banner (A4 size colour page) ◆ Free Registration for one participant in the conference	₹ 25,000 for Indian Companies (or) US \$ 800 for Companies from Abroad
2	◆ Presentation at Industrial session (1/2hr duration) ◆ Free Registration for one participant in the conference	₹ 25,000 for Indian Companies (or) US \$ 800 for Companies from Abroad
3	◆ Tea/Lunch/Dinner/Cultural Program ◆ Display in the banner at the venue	Any amount, not less than ₹10,000

**11th Asian International Conference on
Fluid Machinery & 3rd EMCHAFT
November 21-23, 2011, IIT Madras, India
REGISTRATION FORM**

Name: _____

Title: * Mr. Ms. Dr. Prof.

Designation: _____

Affiliation: _____

Mailing Address: _____

Telephone: _____ (O) _____ (R)

Fax: _____ Mobile: _____

Mail ID: (1) _____

(2) _____

REGISTRATION FEE	Acad./ R&D Organizations	Industry	Student **
	Please tick(<input type="checkbox"/>)		
Delegates from India:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Delegates from other countries:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Members of Sponsoring Societies from India:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
other countries:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Name of the Society: AFMC FPSI Other (please specify) _____

**Please attach a bonafide certificate from the Head of
Department of College/University/Institution

Payment: * Demand Draft (in favour of **AICFM2011**
payable at Chennai)

DD No. _____ Date _____

e-Transfer/ wire transfer

On-Spot Payment

(For VISA purpose letter will be sent for participants from Abroad
on request)(*Please tick appropriate boxes)

Date: _____

(Signature)

INTERNATIONAL ADVISORY COMMITTEE

1. Dr. P Sivakumar, Director CVRDE, India
2. Sri M Rajamanickam, Iyappan Engineering, India
3. Sri G Sukumar, Pressform Industries, India
4. Sri T Mohan Rao, Director, GTRE, India
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18. Dr. RP Vedula, IIT Mumbai, India
19. Dr. Bhaskar Roy, IIT Mumbai, India
20. Dr. SR Kale, IIT Delhi, India
21. Dr. V Seshadri, IIT Delhi, India

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1. Prof. MS Ananth - Patron
2. Prof. M Singaperumal - Chairman
3. Prof. SP Venkateshan - Vice Chairman
4. Prof. BVSSS Prasad - Secretary
5. Dr. AM Junaid Basha - Joint Secretary
6. Dr. Somashekhar S Hiremath - Treasurer

CONTACT

Dr. BVSSS Prasad

Organizing Secretary, 11 AICFM Conference
Dept. Mechanical Engineering
Indian Institute of Technology Madras
Chennai – 600036, India

Email: prasad@iitm.ac.in, 11aicfm@gmail.com

Tel : +91-44-2257 4671

Fax: +91-44-2257 0509

Exhibition Tariff/ Presentation Charges:

- ◆ Stall Charges: ₹3000/- per Sq-m for Indian Companies (or) US \$ 100 per Sq-m for Companies from abroad
- ◆ Stall Size: 3.0 m x 3.0 m module and multiples
- ◆ Each module of the stall will comprise of power supply of 15 amps, table, chair and name board
- ◆ Free Registration to the Conference for one participant for each stall
- ◆ Charges for manufacturer's presentation
₹25,000 for Indian Companies (or) US \$ 800 for Companies from abroad

REGISTRATION FORM FOR EXHIBITORS/ PRESENTATION AT INDUSTRIAL SESSION

1. Name of the Organization:

Mailing Address: _____

Name: _____

(free participant)

Designation: _____

Telephone: _____ (O) _____ (R)

Fax: _____ Mobile: _____

Mail ID: (1) _____

1. Space required for stall*: _____

2. Manufacturers presentation*: Yes No

3. Number of participants*: _____

4. Cheque/DD.No: _____ drawn no
_____ in favor of **AICFM2011**
Payable at Chennai.

(* Please refer to Tariff (above) and other Tables for registration and sponsorship)

Date: _____

Signature with Seal



WILDLIFE

AT
IIT MADRAS



SPONSORSHIP FORM

1. Name and Mailing Address of the Sponsoring Organization:

2. Contact Person and Contact Details:

	Sponsorship	Amount	Please tick (n)
1.	◆ Advertisement in the Souvenir and display in the banner (A4 size color page) ◆ Free Registration for one participant in the conference	₹ 25,000 for Indian Companies (or) US \$ 800 for Companies from abroad	<input type="checkbox"/>
2.	◆ Presentation at International session (1/2hr duration) ◆ Free Registration for one participant in the conference	₹ 25,000 for Indian Companies (or) US \$ 800 for Companies from abroad	<input type="checkbox"/>
3.	◆ Tea/Lunch/Dinner/ Cultural Program Display in the banner at the venue	Any amount, not less than ₹10,000	<input type="checkbox"/>

4. Cheque/DD No: _____ drawn on
_____ (in favor of AICFM2011 Payable at Chennai).

Date : _____

Signature with Seal

EMCHAFT 2011

EMERGING CHALLENGES IN FLUID POWER TECHNOLOGY



INTRODUCTION

An exhibition is being organized in conjunction with the conference to bring together leading manufactures, dealers, consultants, importers and exporters of Fluid Power products and Fluid Machinery to highlight the Emerging Challenges in Fluid Power Technology (EMCHAFT). This exposition is primarily sponsored by Fluid Power Society of India, Madras Chapter.

OBJECTIVES

The exhibition will provide an unique opportunity for manufacturers and distributors to showcase their products and services. About 50 industries from all over the world, especially from countries in the Asian region, are expected to participate in this exhibition displaying their services/ products. The exhibition will be the ultimate promotional tool in the context of today's competitive business environment. It also helps to increase the awareness of products and services to multiple customers.

EVENT HIGHLIGHTS

- ◆ Exhibition of Hydraulic and Pneumatic Components and Electronic Control Devices, all varieties of Pumps, Fans , Compressors, Steam and Gas Turbine, New Technology demonstration and related software products.
- ◆ Manufacturers' Presentation
- ◆ Interactive Meetings.

MANUFACTURER'S PRESENTATION

- ◆ Special Industrial session is allotted for manufacturers to make presentation on the products and services.
- ◆ Charges: ₹ 25, 000/(or) US \$800 (30 minutes presentation). Please also refer to the "Exhibition Tariff/Presentation charges".
- ◆ Conference Registration is free for one participant, for each presentation

VENUE

The exhibition is in Student Activity Center (SAC), a fully airconditioned Auditorium in the IIT Madras campus with 3Phase / backup power available on chargeable basis.

Three Stalls of size 10mx10m are also available on the stage.

SAC is located about 200mts from IITMRP, the first University based Research Park in India.

