

# The Sixth International Conference on Fluid Power Transmission and Control (ICFP' 2005)

**Date:** April 5-8, 2005

**Venue:** Zhejiang University, Hangzhou, P. R. China

## **Organized by**

Institute of Mechatronic Control Engineering, Zhejiang University

## **Co-Sponsored by**

The State Key Laboratory of Fluid Power Transmission and Control  
Ministry of Education, China

National Natural Science Foundation of China

Festo AG & Co



**Prof. Dr-Ing  
Yongxiang Lu**

Ningbo HOYEA Machinery Manufacture Co. Ltd

Chinese Mechanical Engineering Society

Chinese Fluid Power Transmission and Control Society

## **Chairman of ICFP' 2005**

Prof. Dr.-Eng. ( Ing. ) Yongxiang Lu, Chairman of the International Program Committee, Academicians of the Chinese Academy of Sciences and the Chinese Academy of Engineering, Chairman of the Academic Committee of the State Key Laboratory of Fluid Power Transmission and Control

## **International Program Committee ( IPC )**

IPC Chairman: Yongxiang Lu

### **IPC Members:**

Baosen Sha ( China ), Chongjia Nie ( China ), Guangshang Zeng ( China ) , Hongyao Song ( China ), Huayong Yang ( China ), Hubertus Murrenhoff ( Germany ) ,Jan-Owe Palmberg ( Sweden ), Kevin Edge ( UK ), Matti Vilenius ( Finland ), Qingfeng Wang ( China ), Renhao Huang ( China ) , Richard Burton ( Canada ), Satoru Hayashi ( Japan ), Ying Chen ( China ), Yiquen Wang ( China ), Yuanzhong Lei ( China ), Zhanlin Wang ( China ), Zhuangyun Li ( China ), Zuwen Wang ( China )

## **Organization Committee**

Chairman of Organization Committee: Qingfeng Wang

Co-Chairman: Wei Li , Hongzhou , Zhentao Weng

Members: Fan Ding, Guoliang Tao, Huayong Yang, Mingxiou Qiou, Qingfeng Wang, Shiqiang Zhu, Wei Li, Xuanyin Wang, Xin Fu, Ying Chen, Yuren Fan, Zhangwei Chen

General Secretary : Wei Li

## **Scope of Topics**

Innovation in Hydraulic Components and Systems  
Fluid Power for Mobile Machinery  
Water Hydraulics  
New Industrial Applications of Fluid Power  
Advances in Pneumatics  
Micro Fluidic System  
Tribology and New Material in Fluid Power Machinery  
CFD in Hydraulics and Pneumatics  
Environmental Problem in Fluid Power  
Component and System Simulations  
State Monitoring and Fault Diagnosis  
Mechatronics and Automation

## **Objectives**

The first International Conference on Fluid Power Transmission and Control was held in 1985, since then the conference was held consecutively every four years. Now we look forward to the sixth meeting again in Hangzhou. The conference will offer a great opportunity for the participants to exchange their innovations, new technology and, together define the new trends of development in the field of fluid power transmission and control.

Hangzhou, the capital of Zhejiang Province, is one of the most beautiful scenic places in China, with convenient flight routines to Hong Kong, Beijing and other important cities in China, and with only one and half hours of highway drive or express train to Shanghai. As a tourist you may enjoy her breathtaking scenery and the traditional cultures of southeast China.

## **Key Dates:**

Deadline for the receipt of abstract July 30, 2004  
Notification of acceptance September 15, 2004  
Deadline for the receipt of manuscript December 15, 2004  
Conference duration April 5-8, 2005

**Conference Language:** English

## **Abstract Submission**

Authors are invited to submit the abstracts of their papers with approx. 300-500 words to the secretariat of the conference by July 30, 2004. The submitted papers should not have been published elsewhere. The abstract acceptance will be notified by September 15, 2004. The complete manuscripts are required to arrive by December 15, 2004.

The abstracts can only be submitted through internet.

Please visit the conference website : <http://sklofp.zju.edu.cn/icfp>

Contact us for detailed information : Email : [icfp2005@zju.edu.cn](mailto:icfp2005@zju.edu.cn)

Tel : 086 0571 87953152

### **About the New West Lake in Hangzhou**

The West Lake, located in the west of Hangzhou, has eulogized poems, paintings, myths and legends which have been enjoyed by Chinese as well as foreigners for centuries. There is rock-engraved calligraphy on a scenery hill standing in the West Lake, which says: "Where else in the world that can boast such a wonderful place?" Most Chinese are familiar with the popular saying which has been handed down for generations: "In the heaven there is paradise, on the earth there are Hangzhou and Suzhou". Since last year, having an elaborate remedy, the West Lake appears more beautiful with twice tour area than before. And all its beauty spots are opened to the public.

### **Introduction to IMCE**

The Institute of Mechatronic Control Engineering (IMCE) of Zhejiang University is the companion organization of the State Key Laboratory of Fluid Power Transmission and Control (SKLoFP). The leading professor is Prof. Dr.-Ing. Yongxiang Lu, Chairman of the Chinese Academy of Sciences (CAS). The institute now has twelve professors, fifteen associate professors and senior engineers. The research activities in IMCE are mainly concentrated on the fluid power transmission and control, mechatronic control & automation. In recent years, many important achievements have been obtained in the fields of electro-hydraulic control, electro-pneumatic control, computer applications, state monitoring & fault diagnosis, applied fluid mechanics, robot techniques, new materials and sensors, modern control and information technology. Some new experimental equipments have been built. In the future, the institute will focus on improving the abilities of research and application both in the large-power automation and transmission, and in the hydro-mechatronic systems and devices with high performances.



New West Lake