

SYMPOSIUM LANGUAGE

The official Symposium language will be English.

SOCIAL PROGRAM

Accompanying persons program and a post Symposium tour will be available. More information will be in the final program.

EXHIBITION

It is intended to organize an exhibition and a software demonstration at the Symposium. Further details will be advised.

CONTACTS

Please address all communications to:

Secretariat of the 3rd PhD Symposium
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FURTHER INFORMATION

Further information about the symposium will be given in the preliminary program. For the latest symposium information, please visit the symposium website at:
www.PhDSymposium2004.upc.es

Further information about the city of Terrassa, the University and LABSON, can be found at the following sites:

<http://www.terrassa.org/angles/index.htm>
http://campusterrassa.upc.es/catalan/guia_stu.pdf
www.labson.upc.es

TERRASSA AND ITS UNIVERSITY

Terrassa is a city with a population of approximately 180,000 inhabitants and forms part of Barcelona's metropolitan region. It is full of surprises and charm from medieval churches to Modernist architecture. Terrassa is one of the Catalan towns that played a leading role in the Industrial Revolution of the 19th century especially with regard to the textile industry.

The Technical University of Catalonia (UPC) is a public institution for higher education and technology. It has about 30,000 students, and spreads across 8 campuses. The School of Industrial Engineering of Terrassa dates back to 1904, when a course in Textile Engineering was offered for the first time in Spain. The school remained exclusively dedicated to textiles until 1964, when it became a School of Industrial Engineering. The Department of Fluid Mechanics was created in 1988 as a result of the Spanish University Reform and is divided into two sections: the one situated in Terrassa being dedicated to Fluid Power and the one in Barcelona to Turbomachinery.

In 1999, a collaboration agreement supported by CIDEM (Centre for Innovation and Business Development, Catalan Government) with the aim of co-ordinating efforts, optimising resources and giving education in fluid power at the Campus of Terrassa, was formed between different research groups within the Department of Fluid Mechanics and the Department of Mechanical Engineering. This led to the birth of the Fluid Power Research Group, LABSON (LABoratorio de Sistemas Oleohidraulicos y Neumaticos). LABSON is dedicated to the transference of technology through industry. This is essential for innovation and its continual development.



The 3rd FPNI – PhD Symposium on Fluid Power

30th June – 2nd July 2004
Terrassa - Spain

Call For Papers



Laboratori de Sistemes Oleohidràulics i Pneumàtics
Universitat Politècnica de Catalunya

Membre de:



XARXA DE CENTRES
DE SUPORT
A LA INNOVACIÓ
TECNOLÒGICA

INVITATION

On the behalf of Fluid Power Net International (FPNI), we are pleased to invite you to the 3rd FPNI-PhD Symposium to be held at the School of Engineering in Terrassa, Technical University of Catalonia from June 30th to July 2nd, 2004.

The objective of the Symposium is to provide a forum for young scientists, especially PhD students from all over the world, to exchange ideas and opinions on current research and future developments in fluid power technology. We are confident that the Symposium will give all the participants an excellent opportunity to meet in an informal atmosphere at the Terrassa Campus of the Technical University of Catalonia and to discuss the future direction of research and education in fluid power and its competition with other technologies. All PhD students around the world doing research in fluid power technology are invited to present the results and direction of their scientific activities. In addition to providing information on world wide research, it is also our intention to establish new contacts for broader R&D co-operation in fluid power technology and related areas.

We look forward to seeing you in Terrassa in June 2004.

Sincerely,



Prof. Jacek S. Stecki
Chairman of the Scientific Board of FPNI



Prof Esteve Codina
Chairman of the Organizing Committee

CALL FOR PAPERS

A summary of up to 300 words that:

- States the subject.
- Describes the content of the paper and how the subject matter will be developed
- Presents a brief conclusion

Abstracts will be submitted on-line via the symposium website.

DEADLINES

Submission of abstracts	15 th September 2003
Notification of acceptance	31 st October 2003
Submission of full papers	15 th January 2004
Notification of final acceptance	1 st March 2004
Final version submission	1 st April 2004

TOPICS

The topics will be within the broad field of fluid power systems and technology, for example:

Components

- actuators and cylinders
- pumps, motors and hydrostatics
- valves: manual, solenoid, servo
- seals and leakage control

Fluid Power Circuits

- mobile hydraulic
- industrial hydraulic
- pneumatic systems
- testing systems
- contamination measuring and control
- miniaturization

Simulation and Analysis

- Components
- Open and closed loop systems: static and dynamic
- Hydraulic and pneumatic design techniques
- Software programs

Fluids

- alternative hydraulic fluids
- biodegradable fluids
- fluid maintenance

Control and Controllers

SCIENTIFIC COMMITTEE

Prof. Clifford Burrows, U.K.
Prof. Richard Burton, Canada
Prof. Ram S. Chandran, U.S.A.
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Prof. John Watton, U.K.
Dr. Luca G. Zarotti, Italy

SCIENTIFIC SECRETARIAT

Prof. Munir Khamashta
Dr. Robert Castilla

ORGANIZING COMMITTEE

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