



# IFAC

**International Federation  
of Automatic Control**

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# NEWSLETTER

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Austria

## 8th IFAC Symposium on Automatic Control in Space (Oxford, U.K., July 2-6, 1979)

*Sponsored by:* IFAC

*Co-sponsored by:*  
British Interplanetary Society

*Organized by:*  
The Institute of Measurement and Control

This symposium is concerned with the areas of:

- Automatic control
- Open and closed loop control and stabilization
- Man-in-the-loop control
- Remote control
- Combinations of these modes

in space, and space related investigations and applications.

*Topics of sessions are:* Space launch and landing systems; spacecraft and satellites (including rendezvous problems); space laboratories and telescopes; aerospace systems; planetary and earth/space related surface systems; use of spacecraft for terrestrial navigation; underwater systems; inertial systems for underwater positioning; manipulators; tele-operators; space experiments; navigation; guidance and control systems; (including components such as sensors; effectors and power control).

For information please contact:

The Institute of Measurement and Control  
20 Peel Street  
London W8 7PD, U.K.  
Tel.: 01 727 0083  
Telex: 943763 CROCOM G.

## Application for IFAC Sponsored Meetings

To obtain IFAC Sponsorship for a Symposium or other technical meeting, it is necessary to formally apply through the IFAC Secretariat at least eighteen months prior to the proposed date.

Two sets of documents are available to prospective organizers, containing the IFAC 'laws':

*Guidelines for Organizers of IFAC Sponsored  
Symposia and Conferences*

and

*Guidelines for Organizers of IFAC Sponsored  
Workshops.*

In addition, experiences of previous organizers can be found in a collection of documents including:

*Advice to Organizers of IFAC Sponsored Symposia*  
*Advice to IFAC Symposium Editors*

*IFAC Information*

*Presentation of Scientific Papers - a Guide for  
Authors and Session Chairmen*

*Preparation of Slides - a Guide for Authors*

*Round Table Discussions - Suggestions for  
Chairmen*

*Paper Review Forms*

All these documents may be obtained from the IFAC Secretariat.

Application for IFAC Sponsorship requires certification that organizers are familiar with and agree to abide by the IFAC 'laws' as contained in the appropriate guideline.

## 4th International IFAC Conference on Instrumentation and Automation in the Paper, Rubber, Plastics and Polymerisation Industries (Ghent, Belgium, June 3-6, 1980)

*Sponsored by:* IFAC

*Organised by:*  
Belgian Institute of Automatic Control (B.I.R.A.)

*Scope:*

The objectives of the 4th conference are to present, discuss and summarize the state of the art in Instrumentation and Automation in the Paper, Rubber, Plastics and Polymerisation Industries.

Original papers are invited which evaluate the technical and economical performance and the reliability of working installations. Other papers should examine trends in the development of control and automation methods from an application oriented viewpoint.

*Features of the Conference:*

Survey Lectures by invited speakers which will give

overall views of recent developments in particular areas of Instrumentation and Automation in the P.R.P. Industries.

Submitted Papers: reporting on original work. Ample time will be reserved for discussion with the audience.

Case Studies: dealing with the realisation of practical projects.

Round Table Sessions: where specialists can meet each other to discuss actual problems in detail.

#### Topics:

On-line measurements in the P.R.P.

Product quality

Process variables

Automatic laboratory measurements for on-line control purposes

Process control in the pulp and paper industry

Process control in the rubber, plastics and polymerisation industry

Applications of modern and non-conventional control methods in the P.R.P. industry

Energy conservation, waste water treatment and pollution abatement in the P.R.P. industry

Computer and microcomputer applications

Human engineering: Man-machine interface

Safety aspects of control systems

#### Call for Papers:

Prospective contributors are invited to submit abstracts, (6 copies) in English (300-500 words), of papers describing original work in any of the above listed topics.

#### Time Schedule:

Deadline for abstract submission July 31, 1979

The authors will be notified by September 30, 1979

Full papers submission December 31, 1979

All correspondence and inquiries regarding the Conference should be addressed to:

4th I.F.A.C. - P.R.P. Automation Conference

Jan Van Rijswijcklaan, 58

B-2000 Antwerp, Belgium

Tel.: 031 160996

**IFAC/IFIP Symposium on Automation for Safety in Shipping and Offshore Petroleum Operations** (Trondheim, Norway, June 16-18, 1980)

#### Sponsored by:

IFAC, IFIP (International Federation for Information Processing), SINTEF (The Foundation for Scientific and Industrial Research at the University of Trondheim), OD (Norwegian Petroleum Directorate)

#### Organized by:

Norwegian Society for Automatic Control (NFA)

#### Purpose:

As a successor of five previously held IFAC/IFIP Symposia on Automation of Maritime Operations, this Symposium will discuss the application of technology for protection of Man, environment and equipment.

The intention of the Symposium is to present the state of the art and potential future developments of automation as a tool for improving safety in shipping and offshore petroleum operations.

The application of computer systems in these topics will also be explored.

#### Main Topics:

Design philosophy; protection systems; organization; work environment; ergonomics.

#### Key Topics:

Alarm monitoring and display; authorities and regulations; back-up systems; communication; condition monitoring; control system; corrosion control; emergency shut-down systems; environment data; fire and gas detection and protection; instrumentation; leakage detection; lay-out and design criteria; maintenance and inspection; man-machine communications; navigation and positioning; pollution control; reliability; risk analysis; risk management; security; simulators; traffic surveillance and control systems; training and education.

#### Call for Papers:

Authors are invited to present papers within the range of the above topics. Submission in duplicate of a 200-300 word abstract in English should reach the Secretary of the Organizing Committee no later than July 1, 1979.

#### Time Schedule:

Abstracts submission July 1, 1979

Preliminary acceptance September 1, 1979

Full paper submission January 1, 1980

Registration deadline March 15, 1980

Symposium June 16-19, 1980

All correspondence should be in English, and addressed to the Secretary of the Organizing Committee:

Arthur B. Aune

SINTEF, Automatic Control Division

N-7034 Trondheim-NTH

Norway

Tel.: 477594 369

## NON-IFAC ACTIVITIES

**International Conference, Teleinformatics '79**  
(Paris, France, June 11-13, 1979)

#### Sponsored by:

IFIP, UNESCO (United Nations Educational, Scientific and Cultural Organization), CEC (Commission of the European Communities), ICCO (International Council for Computer Communication).

#### Organized by:

AF CET.

#### Topics:

- Impact on organizations
- Message systems
- Teleinformatics and the office of the future
- Teleconferencing
- CAI-computer assisted instruction
- Videotex
- Technical issues
- Case studies
- Man-machine interaction
- Political issues
- Standards

For any information about the Conference, please contact:

A.F.C.E.T.

156, Boulevard Péreire

F-75017, Paris

France

Tel.: 7662419, 7662423 or 7662427

Telex: EURTEL 290 163, code 235