



IFAC

NEWSLETTER

**International Federation
of Automatic Control**

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for the IFAC Secretariat
A-2361 Laxenburg
Schlossplatz 12
Austria

IFAC – Secretariat now in Austria

IFAC, the International Federation of Automatic Control, will mark April 21, 1978, as another memorable day in its 20 year history. President U. Luoto (Finland) and Vice-President T. Vamos (Hungary) on behalf of the IFAC-Executive Council signed in Vienna agreements with the Austrian Federal Government and with the Austrian Academy of Sciences, establishing the permanent secretariat of IFAC in Laxenburg, in the vicinity of Vienna. The agreements were signed by the Federal Minister for Science and Research, Dr. Hertha Firnberg, on behalf of the Austrian Government and by Vice President Prof. Dr. Erich Schmidt on behalf of the Austrian Academy of Sciences.

The new Honorary Secretary, Mr. Fred Margulies and his staff are now ready to serve IFAC and assist all readers with information etc.

The Helsinki secretariat will carry on operation until September 30. During the transition period from June to October 1, business will be shifted gradually to the Vienna secretariat.

The address of the new IFAC secretariat is

IFAC-Secretariat
Address: A-2361 Laxenburg,
Schlossplatz 12
Phone: 02236/7547
Telex: 79/248
Office hours: 8 a.m. – 5 p.m.

**IFAC Workshop on High Level Systems
Control in and by Man** (Karlsruhe, Federal
Republic of Germany, April 5–6, 1979).

Sponsored by:

IFAC Technical Committee on Biomedical Engineering

Organized by:

VDI/VDE-Gesellschaft Mess- und Regelungstechnik (GMR), Düsseldorf/FRG

jointly with

Institut für Informationsverarbeitung in Technik und Biologie (IITB)

der Fraunhofer-Gesellschaft, Karlsruhe
and
Institut für Biokybernetik und Biomedizinische
Technik der Universität Karlsruhe/FRG

Purpose and Topics:

The purpose of the workshop is to evaluate the structure and the functional concepts of more complex, highly organized physiological as well as interactive man/machine systems. Thus, scientists who work with the experimental and system theoretical aspects of these systems are asked to describe such systems similarities and differences through reports and discussions. The following will be given particular attention:

1. The control of the vegetative functions (e.g. circulation, respiration, and body temperature control).
2. The integrated control of motor functions (e.g. sport physiology, eye and hand coordination).
3. The interaction of man and machine in a joined control-loop (e.g. auto-driving, remote manipulator operation, and fabrication processes).
4. Man as a supervisory controller (e.g. as in industrial robots, process control and aircraft control).

Experts in this field are invited to offer papers on the listed topics.

Timetable:

- | | |
|--------------------|--|
| September 30, 1978 | Deadline for abstracts
(in English or German, 250 words) |
| November 30, 1978 | Notification of acceptance
(Promise to provide 70–100 copies of full paper on arrival and invitation) |

For further information please contact:

VDI/VDE-Gesellschaft Mess- und Regelungstechnik
Postfach 1139
D-4000 Düsseldorf 1/Fed. Rep. of Germany
Tel.: (0211) 6214215
Telex: 08 586 525 vdi.

IFAC Symposium on Computer Aided Design of Control Systems (Zurich, Switzerland, August 29–31, 1979).

Organized by:

The Swiss Federation of Automatic Control (SGA/ASSPS)

Symposium Language

The official symposium language is English.
No simultaneous translation will be provided.

Purpose:

The aim of the Symposium is to present the state-of-the-art of computer aided design techniques as used in research, development, design and manufacturing of control systems and equipment.

Topics:

The main topics of the Symposium will be the following:

1. design and analysis methods for plants, controllers and control systems
2. program packages and programming languages for design purposes
3. computer assisted planning
4. creativity and computers
5. application of computer aided design methods in research, development and instruction
6. application areas: power systems, transportation systems etc.

Abstracts of papers in English (200–300 words) in 5 copies should be received by the Organizing Committee not later than November 30, 1978.

Time Schedule:

Abstract submission	November 30, 1978
Preliminary acceptance	January 31, 1979
Full paper submission	March 31, 1979
Final acceptance	April 30, 1979
Registration deadline	July 31, 1979

Papers:

Final papers should be submitted in English according to the Instructions for Authors which will be sent upon preliminary acceptance of the abstract. Preprints will be available at the Symposium and Proceedings will be published by Pergamon Press.

Symposium address:

All correspondence should be addressed as follows:

CAD/IDAC
Institut für Automatik und Industrielle
Elektronik
ETH – Zentrum
CH – 8092 Zürich, Switzerland.

Registration fee:

The registration fee for authors and participants will be SFr. 250,- for registration paid before July 31, 1979. The late registration fee is SFr. 300,-. The registration fee includes one set of preprints.

2nd IFAC/IFIP Symposium in Information Control Problems in Manufacturing Technology (Stuttgart, Federal Republic of Germany, October 22–24, 1979).

Sponsored:

International Federation of Automatic Control (IFAC)

Co-sponsored:

International Federation for Information Processing (IFIP)

Organized by:

VDI/VDE-Gesellschaft Mess- und Regelungstechnik

Purpose and topics:

The aim of the Symposium is to present and to discuss present research activities in new theories and advanced applications of automatic systems which are developed for manufacturing technology or are applicable to advanced manufacturing systems. Particular interest will be given to:

- (a) new methods and theories
- (b) advanced applications
- (c) research projects sponsored by government in information control processes associated with
 - new approaches of modelling automated manufacturing processes
 - micro-economic modelling of manufacturing processes
 - planning and scheduling
 - programming languages
 - material processing
 - material handling and assembling
 - diagnostic systems
 - sensors and artificial intelligence
 - production and quality control

Experts in this field are invited to offer papers on listed topics.

Timetable: the key dates are

October 31, 1978	Deadline for receipt of abstracts (in English, 300–500 words)
January 15, 1979	Results of pre-selection by the IPC to the authors
April 30, 1979	Deadline for the receipt of full papers
June 30, 1979	Accepted papers confirmed

All enquiries and correspondence should be sent to:

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