



IFAC

NEWSLETTER

**International Federation
of Automatic Control**

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2nd IFAC/IFIP Symposium on Information Control Problems in Manufacturing Technology, (Stuttgart, F.R.G., October 22-24, 1979)

Topics: (1) Recent developments in research on flexible manufacturing systems; (2) information processing in small and large systems; (3) materials handling within manufacturing systems; (4) control requirements for industrial robot application; (5) quality assurance in automated manufacturing systems.

These technical sessions will be rounded off by a Panel Discussion Session: "Social Effects of Automation - Employees in an unmanned factory".

Symposium languages are English and German. Simultaneous translation (either way) will be provided.

For programme and general information please apply to the organizer:

VDI/VDE-Gesellschaft Mess- und
Regelungstechnik
P.O.B. 1139
D-4000 Düsseldorf 1
F.R.G.

Tel.: (0211) 6214214
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3rd IFAC/IFIP Symposium on Control Problems and Devices in Manufacturing Technology, Manufacont '80, (Budapest, Hungary, October 22-25, 1980)

Sponsored by: IFAC

Co-sponsored by: IFIP

Topics:

(1) Control systems and devices for manufacturing technology: new theoretical and methodological results in the control of manufacturing processes (system structures, control of static and dynamic processes); manufacturing control systems (sub-system automation, integrated manufacturing systems); hardware devices (DNC, CNC, CAD, etc.); software devices (CAM, DNC, CNC, CAD etc.).

(2) Optimization and adaptive control of manufacturing systems: new theoretical results for optimization and adaptive control; information systems for technological data (technology data banks); adaptive control realization (transducers, control devices); experience in application.

(3) The control of material handling systems and robotics: structure and control of material handling systems; control problems in manufacturing robotics; application of intelligent robots in manufacturing technology.

(4) The control of assembly and inspection processes: theoretical and methodological problems in automation of assembly and inspection; devices and systems for control of automatic assembly; automatic measurement and inspection systems.

Language: The Symposium language will be English with no simultaneous translation into other languages.

Note: Subjects of the present Symposium are in direct connection with the IFAC Symposium on Information-Control Problems in Manufacturing Technology (October 17-20, 1977, Tokyo, Japan), thus this meeting is to be considered as the continuation of the above-mentioned Symposium in Tokyo.

All correspondence should be addressed to:

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Conference Bureau
Computer and Automation Institute
Hungarian Academy of Sciences
H-1502 Budapest
P.O. Box 63
Hungary

Cancellations

The previously announced IFAC/IFIP Conference in Shiraz, Iran, originally scheduled for June 10-12, 1980, has been cancelled. As a result the NMO of Morocco applied to hold the conference and IFAC have approved a related symposium in Rabat, November 23-26, 1980 on "Systems Approach for Development". In consequence to this decision the IFAC/IFIP workshop on "Chemical Process Control", scheduled to take place in Rabat, November 1979 was also cancelled.

IFAC Approved Symposia, Conferences and Co-Sponsorships Revised List approved by IFAC executive council, June 17, 1979.

1979

CISM/UNESCO/IFAC Seminar: Mathematical Theory of Dynamical Systems and Microphysics	September 3-14	Udine I
IMECO/IFAC Symposium: Technical Diagnostics	September 18-20	Karlovy-Vary CS
5th IFAC Symposium: Identification and System Parameter Estimation	September 24-28	Darmstadt D
IFAC Workshop: Distributed Computer Control Systems	October 2-4	Tampa, FA USA
2nd IFAC/IFORS Symposium: Optimization Methods Applied Aspects	October 15-19	Varna BG
2nd IFAC/IFIP Symposium: Information Control Problems in Manufacturing Technology	October 22-24	Stuttgart D
IMECO/IFAC Symposium: Flow Measurement Control in Industry	November 13-16	Tokyo J
3rd IFIP/IFAC Symposium: Ship Operation Automation	November 26-28	Tokyo J

1980

IFAC/IIASA Symposium: Modelling of Large-Scale Energy Systems	February 26-28	Vienna A
10th IFAC/IFIP Workshop: Real-Time Programming	April 14-16	Graz A
IFAC Workshop: Management Control Systems	April 15-17	Hatfield UK
IFAC/IWRA/WERC Symposium: Water and Related Land Resource Systems	May 28-31	Cleveland Ohio USA
4th IFAC Conference: PRP 4 Automation	June 3-6	Ghent B
3rd IFAC/IFORS Conference: Dynamic Modelling and Control of National Economics	June 16-19	Warsaw PL
2nd IFAC Symposium: Large Scale Systems: Theory and Applications	June 25-27	Toulouse F
3rd IFAC Symposium: Automation in Mining Mineral and Metal Processing	August 18-20	Montreal CDN
Academy of Sciences/DDR, IMACS/IFAC/WGMA Symposium: Systems Analysis and Simulation	September 1-5	Berlin DDR
IFAC Symposium: Automatic Control in Power Generation and Distribution and Protection	September 15-19	Pretoria ZA
3rd IFAC/IFIP Symposium: Control Problems and Devices in Manufacturing Technology	October	Budapest H
IFAC Workshop: Scientific Experiments and Laboratory Procedures Automation (SELPA)	November	Smolenice

1981

8th IFAC WORLD CONGRESS	August 24-28	Kyoto J
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1982

6th IFAC Symposium: Identification and System Parameter Estimation	June	Washington USA
IFIP/IFAC Symposium: Automation of Offshore Oilfield Operation		London UK

NON-IFAC ACTIVITIES

International Time Series Meeting

This conference will take place on Guernsey in the Channel Islands (British Isles), from October 22-26, 1979. The object is to discuss recent developments in time series theory and methodology, with an emphasis on effective application. There will be both invited and contributed papers and the proceedings are to be published.

Further information from the organizer:

O. D. Anderson
9 Ingham Grove
Lenton Gardens
Nottingham NG7 2LQ, U.K.

8th IFIP World Computer Congress, (Tokyo, Japan, October 6-9, 1980 and Melbourne, Australia, October 14-17, 1980)

IFIP Congress '80, the 8th World Computer Congress, is the next in a series of triennial meetings sponsored by the International Federation for Information Processing (IFIP).

The 8th World Computer Congress and Exhibition will be held at two locations: starting in Tokyo (Japan) from October 6-9, and continuing in Melbourne (Australia) from October 14-17, 1980. The program will contain three types of sessions: (1) invited papers, relating to broad areas of information processing; (2) submitted papers, reporting on significant current developments in information processing; and (3) panel discussion, exploring the present state of the art and current trends and involving audience participation.

Program areas:

Theoretical foundations of information processing; computer architecture and hardware; software; data base and information systems; computer networks and communications; computer in science and industry; business and government applications; social and economic implications; information processing and education; computers in everyday life.

For further information please write to either of the following addresses:

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