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Kyoto Symposium on Systems Engineering Approach to Computer Control

Here is information in addition to the announcements in IFAC Bulletin Nos. 53 and 55 about the Symposium to be held in Kyoto/Japan, August 11 - 14, 1970 under the sponsorship of the IFAC Technical Committees on Systems Engineering and on Applications and under the aegis of the Science Council of Japan.

Out of a large number of papers submitted, just over a hundred were selected for presentation during the four days of the conference which will be introduced by an opening session and a special lecture on the first morning to be followed by the technical sessions. Authors from 16 countries are expected to be present.

The conference language is English. Simultaneous translation will not be available.

Preprints (included in the registration fee) will be handed to the participants at the registration desk or will, upon request, be mailed to them prior to the symposium against payment for airmail postage (US $ 14). Proceedings will be published by the Instrument Society of America (ISA) sometime after the symposium.

Attention is again drawn to the registration deadlines, namely: US $ 40 (Yen 14,200) before May 31, 1970 and US $ 50 (Yen 17,700) after that date. (Banking account No. 63051, Fuji Bank, Kyoto Branch in favour of IFAC Kyoto Symposium Committee or payment by cheque.)

A "Third Information" booklet including comprehensive details together with registration forms and a provisional list of papers may be obtained from

IFAC Kyoto Symposium Committee,
c/o The Japan Association of Automatic
Control Engineers,
14, Kawahara-cho,
Yoshida, Sakyo-ku,
Kyoto/Japan

The complete programme is being published.

Control of Distributed Parameter Systems — Canada 1971

Under the sponsorship of the IFAC Technical Committee on Theory, a Symposium on the Control of Distributed Parameter Systems will be held in Banff, Alberta, Canada, at the University of Calgary's Banff School of Fine Arts, from June 21 to 23, 1971. The intent of the symposium is to determine the state of the theory and application of distributed para-

meter systems. The following topics will be dealt with:

Modelling, Identification, Optimal Control, Adaptive Control, Stability, Sensitivity, Computer Control, Applications, Future Developments, Distributed Parameter Networks, Mixed Distributed and Lumped Parameter Control Systems, Control of Complex DPS.

Offers of papers with an abstract in English (200 to 300 words) should be addressed to the General Chairman of the Organizing Committee not later than September 30, 1970:

Dr. M.H. Hamza,
The University of Calgary,
Calgary 44, Alberta, Canada.

It is hoped that, for the presentation of papers, authors will preferably use the English language.

Technical visits to industrial plants and universities are being scheduled.

The Operator, Engineer, and Management Interface with the Process Control Computer — USA 1971

The Symposium, sponsored by the IFAC Systems Engineering Committee with the co-sponsorship of the IFAC Applications Committee, will be held under the aegis of the American Automatic Control Council (the US National Member Organization of IFAC), the Instrument Society of America and Purdue University from August 3 to August 6, 1971 at Purdue University, Lafayette, Indiana, USA.

Papers are invited on the following topics:

— The Programming Interface as Seen by the Project Engineer in Carrying Out Applications of Computer Control

— The Human Engineering of the Operator's Console Compatibility with the Requirements of the Engineer

— The Subdivision of Work in Various Processes Between a Computer Control System and the Human Operator

— Effect of Computer Control Capabilities on the Ultimate Management Structure

— Case Studies of Present Successful Installations of Control Centers and Operators Consoles

— Requirements of Data Presentation to Upper Management. Types of Data, Response Times, Bandwidth Required, etc.

Potential authors should submit an abstract in the English language for preselection review by October 1, 1970 to

The Organizing Committee,
Symposium on the Operator, Engineer, and Management Interface with the Process Control Computer,
Purdue Laboratory for Applied Industrial Control, Purdue University,
Lafayette, Indiana 47907/USA.

Full manuscripts for final review will be due on February 1, 1971.

The submission and presentation of the papers should be in the English language. No simultaneous translation is planned for the Symposium.

It is intended to include in the technical programme also a panel discussion as well as round table discussions.

Multivariable Control Systems — 2nd IFAC Symposium in Düsseldorf

This symposium, again under the sponsorship of the IFAC Technical Committees on Applications and on Theory, will be held from October 11 to 13, 1971, immediately to be followed by the INTERKAMA Congress and Exhibition, October 14 to 20, 1971, also in Düsseldorf (Fed. Rep. of Germany). The symposium will, just as the first one on that subject held in 1968, again be organized by the VDI/VDE-Fachgruppe Regelungstechnik of the Verein Deutscher Ingenieure VDI and of the Verband Deutscher Elektrotechniker VDE.

Areas being covered are:

- Linear Multivariable Systems Theory
- Optimal Multivariable Control Systems Theory
- Multilevel Technical Systems Theory
- Applications in Process Industries
- Applications in Power Plants and in Power Distribution Systems

Potential authors are invited to offer papers with an abstract in English (20 - 30 lines) by October 31, 1970. They should classify their paper into one of these five topics. A preselection on the basis of abstracts will precede a final selection on the basis of the full papers. The result of the preselection will be communicated to the authors together with instructions for the preparation of their papers. The deadline for the submission of the full papers (in English or German only) is February 28, 1971.

There will be preprints available for attendees before the symposium and proceedings will be published afterwards.

It is planned that, at the symposium, each of the five topics will be introduced by a survey paper to be followed by the technical papers and the subsequent discussions.

Simultaneous translation (English-German and vice versa) will be provided.

Offers of papers and any enquiries should be directed to:

VDI/VDE-Fachgruppe Regelungstechnik
P.O. Box 1139
D-4000 Düsseldorf 1/Germany (Fed. Rep.)

Seminar on Artificial Intelligence

Again this year, there will be another International Summer Seminar in Dubrovnik, Yugoslavia, to deal with Artificial Intelligence and to last from June 29 to July 11, 1970. It is the object of the Seminar to present advances in artificial or machine intelligence and review the efforts directed to the mechanization of creative problem-solving processes.

It is anticipated that 14 tutorial sessions will cover in detail the following basic topics:

- Heuristic programs and approximate policies for combinatorial problems (Richard Bellman, A.A. Dorodnicyn)

- Adaptive, self-organizing and learning automata and the treatment of ill-structured problems (Richard Bellman, Bertram Raphael)

- On-line information processing and industrial robots (Stephen Coles)

- Computer aids in medical diagnosis (Hamer Warner)

Round table discussions and informal discussions on a variety of relevant subjects will complete the programme.

Enquiries:

L. Radanović,
Center of Advanced Studies,
P.O.B. 356,
Belgrade/Yugoslavia.

Data Processing Systems Applied to Economy

The Association of Scientists in Romania is organizing in Bucharest from December 8th to 12th 1970, the 2nd Symposium on the topic:

Data Processing Systems Applied to Economical Processes

The Proceedings of the Symposium are to take place in plenary sessions and the following specialized sections:

(1) Econometry and economical cybernetics (economical and data processing models, macroeconomical systems, etc.)

(2) Structure of economical data processing systems

(3) Data processing in industrial organizations

(4) Information processing in economical and financial organizations

(5) Data processing and management.

Two Round Tables are to be organized on the following topics:

(1) Specialist training for data processing

(2) Data processing concept

(3) Man-equipment relationships in economical data processing.

For registration and information:

Association of Scientists in Romania
Str. Progresului nr. 10
P.O.B. 90.
Bucuresti, Romania