



IFAC

INFORMATION BULLETIN

No. **56** February 10, 1970

**International Federation
of Automatic Control**

Published by the IFAC Secretary
G. Ruppel · Postfach 1139
D 4000 Düsseldorf · Germany

Traffic Control

The First IFAC/IFIP International Symposium on Traffic Control which is being organized by AFCET (Association Française pour la Cybernétique Economique et Technique) will be held at Versailles/France from June 1 to 5, 1970 under the joint auspices of IFAC and IFIP (International Federation for Information Processing). The main theme, the use of computers for traffic control (on-line as well as off-line), will cover all possible traffic areas, i. e. road, railway, urban, air, sea and river. The use of computers for simulation in all these fields will also be dealt with.

The programme includes 54 papers to be presented during nine half-days, with time allowed for open discussions.

In parallel with three morning sessions, round table discussions on the following subjects are planned:

- Present and future strategies for vehicular traffic control
- Safety in air traffic control
- Problematics of development of centralized goods traffic management

In parallel with four afternoon sessions, technical visits are provided.

These parallel events in the morning and in the afternoon are arranged in such a way that none of the various traffic areas is dealt with simultaneously at two different places which means that a participant chiefly interested, for instance, in railway traffic control may attend the technical sessions, the round table discussion and the technical visit pertaining to that speciality.

The majority of papers (18) are devoted to road and urban traffic control followed by the field of railway traffic control with 12 and simulation equally with 12 papers. High interest is sure to be aroused by a number of papers in the field of air traffic, among them five alone from the United States with intriguing titles. Authors from 14 other countries including some from Japan, the USSR and Australia will present their papers at the symposium.

The conference languages are English and French, with simultaneous translation facilities.

This information is available for reproduction

Preprints will be available in separate volumes, each volume comprising the papers presented during one half-day. One volume according to choice is included in the registration fee.

The deadline for early registrations (at a reduced price of 311,- French Francs) is April 1st, 1970. After that date, the registration fee amounts to 361,- French Francs.

A programme with registration and hotel accommodation forms may be obtained from

A. F. C. E. T.

Secretariat du Symposium Trafic
Immeuble Centre Dauphine
Place du Maréchal de Lattre de Tassigny
Paris 16e/France.

Digital Computer Applications to Process Control

The 3rd international conference on that subject which is again sponsored jointly by IFAC and IFIP (International Federation for Information Processing) will be held in Helsinki/Finland, June 2-5, 1971. It is being organized by the Finnish Society of Automatic Control which is the National Member Organization of IFAC.

The emphasis of the symposium programme will be on the use of digital computer control in industrial production processes. Control experts in the following fields are invited to offer papers:

Chemical industries
Oil Refineries
Minerals and Metallurgy - Iron and Steel
Ore refining
Metallurgical Processes
Rolling and connected processes
Pulp and Paper
Boiler and Power Systems
Other Processes and Systems

The papers shall be based on existing applications of computer control brought into operation before the time of the Conference.

The organizers will lay special value by papers describing methodological aspects, application of control theory to practical problems, on-line optimization or the like. →

Offers of papers together with a preliminary abstract in English (20 to 30 lines) should reach the Finnish Organizing Committee not later than May 15th, 1970. (Not March 15 as in organizer's print).

It is planned to arrange Workshops on topics like Programming Languages for Industrial Process Control, Economics of Computer Control Applications, On-line Process Identification, and industrial visits will not be neglected.

Potential authors and interested parties should address all correspondence to:

3rd IFAC/IFIP Conference,
Box 10 192,
Helsinki 10/Finland.

Symposium Publications

The following supplementary information should be noted with regard to the list of proceedings published in the previous issue of the IFAC Bulletin (No. 55):

IFAC SYMPOSIUM
BUDAPEST,
April 1968,
on "Pulse Rate and
Pulse Number Sig-
nals in Automatic
Control"

The publishing company
is now selling the pro-
ceedings at a reduced
price of US \$ 28.

Automation and Instrumentation Conference and Exhibition

This event, the eleventh of that kind, will be held under the aegis of the Italian National Research Council in Milan from November 19-25, 1970, and

ANIPLA, the Italian National Association for Automation, is involved in the organization. The purpose of the event is to give a complete and up-to-date picture of the state of the art in the different fields of applications, from a scientific, technical and productive point of view.

Conference themes are:

THEORY -Systems theory (dynamic and discrete). Control Systems (conventional, multivariable, non-linear, non-stationary, sampled, direct digital control, adaptive). Advanced problems of analysis and synthesis also involving the use of computers. Identification. Optimization. Pattern recognition.

INSTRUMENTATION AND COMPONENTS -Advanced problems related to components (both in their technology and in their application). Digital instrumentation. Instrumentation for testing and for data processing (correlators, digital filters etc.).

APPLICATION of control systems, instrumentation and computers in electric power generation, transmission and distribution, in chemical and petrochemical processes, in metallurgical and metalworking processes, in medical engineering and bio-cybernetics and in realtime information systems.

Offers of original papers with title and summary (not more than 300 words) in the author's language and in English should reach the

Secretariat of the
XI International Automation and
Instrumentation Conference,
c/o FAST,
Piazzale Rodolfo Morandi 2
I - 20121 Milano/Italy

not later than February 28, 1970.