



IFAC

INFORMATION BULLETIN

No. **51** March 31, 1969

**International Federation
of Automatic Control**

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

Fourth IFAC Congress Warsaw 1969

Registration Date: April 15!

Programme details are now being released by the Organizing Committee of the Fourth Congress of IFAC to be held in Warsaw from June 16 to 21, 1969. A booklet entitled "Information No. 2" together with registration forms is distributed on a large scale to the National Member Organizations of IFAC as well as to individuals who have returned the completed Preliminary Registration Form attached to the preceding booklet called "First Information".

The deadline for registrations announced in the IFAC Bulletin No. 49 has been extended to April 15, 1969. Congress Registration fees received prior to that date amount to US \$ 50, after that date the fee will amount to US \$ 60. The rates for authors of accepted papers are US \$ 40 before and \$ 50 after the deadline and accompanying persons will be charged US \$ 10 and US \$ 12 respectively.

Receipt of a set of summaries of papers in English, French, German or Russian according to choice as well as a set of the survey papers (general reports) presented at plenary sessions will be covered by the registration fee. The previous announcement in IFAC Bulletin No. 49 is amended in that an English version of the survey papers will be available.

The receipt of preprints of technical papers is not included in the registration fee. Participants desiring to purchase either a full set of preprints or individual volumes of technical sessions are asked to make the relevant specification in the registration forms.

About 300 technical papers have been accepted for presentation and will be dealt with in parallel sessions. For the purpose of taking part in the ensuing discussions, congress participants will be provided with forms to write their contributions.

Nine invited survey papers will be presented at plenary sessions. Furthermore, a number of Round Table Discussions are planned.

Simultaneous translation into English, French, German and Russian will be provided during the plenary sessions. At the technical sessions there will be simultaneous translation into English and Russian only.

Provision has been made for visits of plants and institutes to take place in the week of the Congress, one or the other post-congress tour lasting several days.

Any further details may be seen from the "Information No. 2" or obtained from:

N. O. T.
Organizing Committee of IFAC IV
P. O. B. 903
Warsaw 1/POLAND.

or from the IFAC Secretary at Düsseldorf

IFAC Symposium on Automatic Control in Space

Additional information on the third IFAC Symposium on Automatic Control in Space, Toulouse (France), March 2 to 6, 1970, relates to the subject areas in which papers are solicited, namely:

- (1) Guidance of launchers and boosters during the launching phase of space vehicles
- (2) Control and command of the attitude of space vehicles
- (3) Control and command of the space vehicle orbit.
- (4) Rendez-vous problems
- (5) The hardware of space vehicles
- (6) On-board computers for navigation and scientific instrumentation used inside the space vehicle and their programming
- (7) Information processing on board or at ground stations; with particular reference to communication satellites, meteorological satellites...
- (8) Environmental control and associated automatic systems
- (9) Guidance of space vehicles and information processing during flight towards a distant planet
- (10) Problems of man-machine interaction in space.
- (11) Problems of locomotion of man in space (namely outside the capsule)
- (12) Automatic control of transport vehicles on planet's surface; the programme for the automatic control of sample collection
- (13) Navigation, control, orientation and stabilization of submarine vehicles
- (14) How automatic control can solve certain problems of man in space or under the sea
- (15) How automatic control has been used for underwater research
- (16) How automatic control has been used for research under the surface of the earth.

Final deadline for abstracts:

March 31st, 1969. Final deadline for full papers: September 1st, 1969.

Participants will receive abstracts and preprints prior to the symposium.

A 1st Information Bulletin with more details is available from the

Symposium Secretary,
LAAS du CNRS,
B. P. 4036,
F-31 Toulouse 04/France.

IFAC Symposium on Digital Computers for Traffic Control

Under the auspices of the Association Française pour la Cybernétique Economique et Technique (AFCET) - French National Member Organization of IFAC - an international symposium on the Use of Digital Computers for Traffic Control and Regulation will be held at the Palais de Congrès, Versailles (France), from 1st to 5th June 1970. It will be sponsored by the IFAC Technical Committee on Applications with planned co-sponsorship of the IFAC Technical Committee on Systems Engineering. The subject area covers the entirety of computers used for traffic control and regulation in every field (railway, road, naval, air traffic etc.)

AFCET urgently requests that the Authors make their application before May 15, 1969 sending in abstract in three copies (not over one typed page). Papers presented by National Associations belonging to IFAC or IFIP will be examined by the International Selection Committee. The final texts must be received, with all illustrations, before December 15, 1969.

Further information is available from

AFCET, Section AP
Centre Dauphine,
Place du Maréchal de Lattre de Tassigny
Paris 16e, France

Symposium in Spain

Sponsored by the Spanish National Member Organization of IFAC, a national symposium on Automation in Industry will be held in Sitges from November 5 to 7, 1969. It will be devoted to the following areas:

- Theory - Automatic Control - Process regulation
- Computers - Special technologies.

Further details can be obtained from:

Comité Organizador del Symposium
"La Automática en la Industria",
Via Layetana 39,
Barcelona (3)/Spain.

Second Symposium on Identification and Process Parameter Estimation

The Czechoslovak Academy of Sciences, Institute for Information Theory and Automation, is organizing the 2nd Symposium on Identification and Process Parameter Estimation, sponsored by the IFAC Theory Committee.

Following the first Symposium which was held in Prague in June 1967, this second Symposium is also to be held in Prague from June 15 to 20, 1970.

Papers are invited in following areas:

- General problems of model building and identification in automatic control systems
- Deterministic methods for systems identification

- Statistical methods for process parameter estimation
- State estimation
- Accuracy of identification
- Adaptive control and identification in closed loops
- Applications and practical experience
- Special instruments for identification of systems and signals.

Offers of papers together with abstracts in English (200 - 300 words) should be received by the Organizing Committee not later than by September 15, 1969. The address is:

Organizing Committee - IFAC Symposium,
Institute of Information Theory
and Automation,
Vyšehradská 49,
Praha 2 - Czechoslovakia

France

The Association Française pour la Cybernétique Economique et Technique (AFCET) was established last fall through a fusion of three French scientific societies, namely:

Association Française de Régulation et d'Automatisme (AFRA),

Association Française d'Informatique et de Recherche Opérationnelle (AFIRO),

Association Française d'Instrumentation et de Contrôle (AFIC),

having been the Member Organizations of IFAC, IFIP and IMEKO respectively. Through its corresponding sections, AFCET is now the representative body in the three international federations concerned. Owing to this reorganization the name and the address of the French National Member Organization of IFAC is as follows:

Association Française pour la Cybernétique Economique et Technique (AFCET),

Centre Universitaire Dauphine, Place du Maréchal de Lattre de Tassigny, Paris 16e/France.

United Kingdom

The Secretariat of the United Kingdom Automation Council (UKAC) - British National Member Organization of IFAC - has been provided by The Institution of Electrical Engineers, Savoy Place, London, with Mr. F. Jervis Smith, CEng, FIEE, as Honorary Secretary of UKAC since its inception in 1958. In view of the retirement of Mr. Smith as Honorary Secretary of UKAC, Mr. W. F. S. Woodford, OBE, FCCS, Secretary of the Institution of Production Engineers was elected as the next Honorary Secretary and the Secretariat of UKAC has passed to the Institution of Production Engineers, 10 Chesterfield Street, London W1.

IFAC Journal Automatica

The subscription rates for the IFAC Journal Automatica announced in No. 50 of the IFAC Information Bulletin are repeated as follows: multiple reader institutions annual rate £16 or \$40.00. Two years (10% discount) £28 16s. or \$72.00. In addition there is a specially reduced rate for the individual members of the 33 National Member Organizations of IFAC, namely £3 10.0. or \$9. This same rate also applies to other individuals whose libraries are subscribers.

An extract from the contents list of the first four issues of "Automatica" is given on page 4 of this Bulletin.

New Control Journal in Spain

Started in May 1968 was a new control engineering journal published in Spain. Entitled "Regulación y Mando Automático", the journal appears bimonthly and it is circulated to some 3000 engineers and technical managers in Spain. Heading its Editorial Board is Professor Jaime Herranz of the Escuela Técnica Superior de Ingenieros Industriales of Barcelona. For further details contact:

Jorge Puig
Compañía Española de Editoriales Tecnológicas
Internacionales, S.A.,
Rosellón 300 2º 1ª izquierda
Barcelona (9) - Spain

ACTA IMEKO 1967

The complete collection of survey lectures and technical papers presented at the 1967 IMEKO Congress in Warsaw, have just left the press in the four volumes of ACTA IMEKO 1967 presenting the complete text of all 156 scientific contributions to the Congress on measurement and instrumentation.

The papers published in the original languages of the authors (English, German, Russian and some French) are followed by summaries in two other languages. The material is edited in four volumes:

- Vol. I. Plenary and survey lectures -
Theory of measurement (497 p.)
- Vol. II. Theory and Practice of Instrument
Design
(Position - Force - Density - Flow -
Pressure - Temperature,
Electric and Magnetic Quantities)
(718 p.)
- Vol. III. Manufacturing Methods in Instrument
Production
Application of Instruments in Science
and Industry (497 p.)
- Vol. IV. Round-Table Discussions on
different topics (284 p.)

The cloth bound volumes of ACTA IMEKO 1967 totalling 2000 pages and over 1000 illustrations were published 1968 by the Hungarian Scientific Society for Measurement and Automation and may be ordered through technical booksellers, or directly from KULTURA Hungarian Trading Co. for Books and Newspapers, P.O.B. 149, Budapest, 62. Hungary.

The price is \$ 62,- or £ 25/8/16.

New Symposium Publications

IFAC Symposium on System Dynamics and Automatic Control in Basic Industries

Sydney, Australia, August 1968.

Preprints are still available and may be purchased from

The Institution of Engineers Australia,
157 Gloucester Street,
Sydney, N. S. W. Australia 2000,
at \$A. 4.00 (US \$ 4.40) per set.

The next issue of the Electrical Engineering Transactions, published by The Institution of Engineers, Australia, will include all Symposium papers with discussions and authors' replies. This issue will be in 2 parts available about June 1969, and will be priced at \$A 4.00 (US \$ 4.40).

IFAC Symposium on Fluidics

London, U.K., November 1968.

Full proceedings available in Spring at £8 (US \$ 19.10) either through the

British Hydromechanics Research Association,
Cranfield, Bedford, England,

or directly from the publisher
Peter Peregrinus Ltd.,
P. O. B. 8, Southgate House, Southgate,
Stevenage, Hertfordshire, England.

IFAC Symposium on Multivariable Control Systems

Düsseldorf, Germany, October 1968.

A special volume containing the introductions and the summarising report as well as the survey reports on the topics of the various sessions and the contributions to the discussions (as far as submitted in writing) has now been published. This "Discussion Volume" of 232 pages which also includes the name and the address of all session chairman, vice chairman and authors, will be sent free of charge to all participants of the Symposium as well as to those having received preprint volumes after the Symposium.

The full set of Proceedings including three volumes of preprints and the Discussion Volume is now available for sale at DM 120,- = \$ 30,- (mailing cost included). Orders should be sent to

VDI-VERLAG GmbH
Postfach 1139,
D 4000 Düsseldorf 1
Germany

Corrigendum

IFAC SYMPOSIUM ON AUTOMATIC CONTROL IN LIME, CEMENT AND CONNECTED INDUSTRIES, Brussels, Belgium, September 1968.

In Bulletin 50, page 2, under the item "New Symposium Publications" we had announced the Proceeding of the abovementioned Symposium, Unfortunately the conversion of the price of F. B. 1.200,- into foreign currency was not correct. It should be \$ 24,- and £ 10/-/-.

The Proceedings will be mailed on receipt of payment.

**Extract from the Contents
of the First Four Issues of the
IFAC Journal Automatica**

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