



IFAC

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International Federation
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P R E S S R E L E A S E

IFAC SYMPOSIUM ON FLUIDICS

An International Symposium on Fluidics, sponsored by the IFAC Committee on Components, will be held in London at the headquarters of the Royal Aeronautical Society from Monday 4th to Thursday 7th November, 1968.

Under the auspices of the United Kingdom Automation Council the Royal Aeronautical Society has established an organizing committee of which Professor J.K. Royle is the chairman.

S c o p e

About 30 papers will be presented in six half-day sessions, reporting original work under the following general headings.

1) Fluid Mechanics of Fluidic Devices

Papers in this section are expected to extend beyond descriptions of the attachment of a jet to a single plane wall or the deflection of one jet by another. They should be directed to extending the understanding of device behaviour, particularly on the lesser known areas like impact modelations and vortex elements. Acoustic properties of jets and noise suppression research will also be covered under the heading.

2) Fluidic System Design

Papers should not merely describe circuits. Systems discussed should be objectively analysed and performance quoted in such a way that the reasons behind the choice of circuitry become evident.

3) Mechanical Design Aspects and Production of Fluidic Components and Systems

Design of components tolerant of manufacturing errors, and quantitative information about production methods (giving breakdowns of cost of Manufacture, assembly and distribution of individual elements and circuits) have not yet received much attention. Design for reliability and any history of failure rate would also be useful.

4) Application of Fluidics in Automatic Control

Applications should either be original or should treat the organization of circuits from a design viewpoint. A generalised approach to the organization of systems by classification of circuit types, with appropriate fluidic solutions, would be welcome.

L a n g u a g e a n d P r e s e n t a t i o n

Simultaneous translation will not be provided. The technical sessions will be conducted in English, with presentation of some groups of papers by rapporteurs. If an author or a contributor to the discussion is unable to present his paper in English, other participants will be asked to assist by translating.

P a p e r s

Offers of papers should be submitted not later than 31st January, 1968, sending two copies of an abstract to the Organizing Committee. Abstracts should be 500/600 words, typewritten, single spaced. If an abstract is in a language other than English, an English translation should also be sent, if possible. Authors will be informed not later than 15th March, 1968 whether their full paper should be submitted for consideration. Papers must be sent in by 31st May 1968 and a final decision will be given by the end of July. Preprints will be prepared by offset litho reproduction and authors whose papers are accepted will be sent full instructions concerning the preparation of the text. The proceedings of the symposium will be published.

Secretariat:

IFAC LONDON FLUIDICS SYMPOSIUM
the Royal Aeronautical Society
4 Hamilton Place
London W 1 / England

INDUSTRIAL MEASUREMENT TECHNIQUES FOR ON-LINE COMPUTERS

A Symposium on Industrial Measurement Techniques for On-Line Computers will be organized by the Control and Automation Division of the Institution of Electrical Engineers, with the collaboration of the Institution of Mechanical Engineers and the Society of Instrument Technology under the aegis of the United Kingdom Automation Council. The Symposium will take place at the Institution of Electrical Engineers, London, from 10th -14th June 1968.

Scope

The subjects to be covered include the influence of computers on instrument design and measuring techniques, transmission signals and noise reduction, non linear measurements and correction techniques, new developments in sensors, the use of analytical instruments with computers, the adaption of conventional process instruments for use with computers and the general subject of interfaces.

Contributions

The Organizing Committee invite intending contributors to submit, in the first place, synopses of approximately 300 words of their proposed contributions. Synopses should be submitted to:

The Conference Section,
Institution of Electrical Engineers,
Savoy Place,
London W.C.2 /England

by 30th September, 1967. It will be extremely helpful to the Organising Committee if contributors will give notice of their intention to submit a synopsis as soon as possible. It will be necessary for those authors who are invited to prepare contributions based on their synopses to submit the full texts of not more than 1,500 words, for consideration for inclusion in the Conference Programme by 1st February, 1968. Further details of the Conference and registration forms may be obtained from the Conference Section of I.E.E.