Call For Papers

This IECI Conference is International in scope and underscores the exponentially increasing number of applications of microprocessors in Industrial Control and Instrumentation. The importance of conventional analog methods is being undermined, with analog devices relegated to serving only input/output roles in many new systems. The microprocessor revolution is here, and the purpose of this conference is to provide a medium for exchanging information in this new and developing field.

Areas of Interest

IECI '81 will strive to continue the record of contribution for a seventh consecutive year. The scope of this conference encompasses the technical aspects of designing, implementing and testing small computer systems for manufacturing, process control, consumer products, biomedical instruments, energy systems, data acquisition, signal processing, vehicles, and other applications in process control and instrumentation. The topics of interest include:

- Microcomputer software design techniques
- Microcomputer requirements documents
- Microcomputer software testing & validation
- Automotive diagnosis and operation
- Vehicle control/diagnosis
- Automated inspection & testing
- "Intelligent" instrumentation
- Transducers & sensors
- Data acquisition & signal processing
- Process control & motor control
- Consumer systems
- Reliability and fault tolerance
- Microcomputer software management
- Microcomputer software cost estimating
- Microcomputer programming software support
- Computer control & distributed systems
- Automated manufacturing
- Energy systems/power systems
- Numerical control & robotics
- Biomedical control & monitoring
- New digital electronics products
- Mini/Microcomputer interfacing
- New control techniques
- New software techniques/products

Paper Requirements

Ten copies of the paper in extended summary form, 500-600 words long; and an abstract of no more than 40 words, describing work not generally published or previously presented, should be mailed by March 1, 1981 to V.K.L. Huang (East), or R.A. Begun (West).

The extended summary will be used for paper selection and session assignment and thus should clearly define the salient concepts and NOVEL features of the work described.

Notification of acceptance and format required for publication in the IECI '81 proceedings will be sent to you by April 15, 1981. Final manuscripts of papers for publication in the IECI '81 proceedings must be received by August 1, 1981.

Special Sessions

Suggestions and proposals for tutorial and special panel sessions on topics of current interest should be sent by April 1, 1981 to the General Chairmen.

To order the IECI '80 Proceedings, send $25 to the IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854 (201-981-0060 Ext. 135). Catalog #80CH1551-1.