Industrial Applications of Mini and Microcomputers

Hyatt Rickeys, Palo Alto, CA  
November 15-19, 1982

This IES 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.

Fall IECION '82 will strive to continue the record of contribution for the eighth consecutive year. The scope of this conference encompasses the technical aspects of designing, implementing and testing small computer systems for manufacturing, process control, energy systems, data acquisition, signal processing, and other applications in process control and instrumentation. The topics of interest include:

- Microcomputer software design techniques, testing and validation
- Automotive diagnosis and control
- Automated manufacturing, inspection and testing
- "Intelligent" instrumentation
- Transducers and sensors
- Data acquisition and signal processing
- Process control and motor control
- Reliability and fault tolerance
- Microcomputer software management
- Computer control and distributed systems
- Energy systems/power systems
- Numerical control and robotics
- New digital electronics products
- Mini/Microcomputer interfacing

Five copies of the paper in extended summary form, 800 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, 1982 to V. K. L. Huang, Bell Telephone Labs, 600 Mountain Ave., Room 20231, Murray Hill, N. J. 07974.

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

Notification of acceptance and format required for publication in the IES '82 proceedings will be sent to you by April 15, 1982. Final manuscripts of papers for publication in the Fall IECION '82 proceedings must be received by August 1, 1982.

Suggestions and proposals for workshops, tutorials, and special panel sessions on topics of current interest should be sent by April 1, 1982 to R. Begun, 1105 Coleman Ave., San Jose, CA 95108 MS 070, or to the appropriate steering committee member.

Sponsor: Industrial Electronics Society
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