CALL FOR PAPERS

Organized with the support of
Association Suisse des Electriciens (ASE/SEV)
Association Suisse de Microtechnique (ASMT)
Convention of National Societies of Electrical Engineers of Western Europe (EUREL)
Ecole Polytechnique de Lausanne (EPFL)
European Association for Microprogramming and Microprogramming (Euromicro)
Groupement de l'Electronic de Suisse Occidentale (GESO)
IEEE Computer Society Technical Committee on Microprocessors and Microcomputers
Institute of Electrical and Electronics Engineers (IEEE), Switzerland Section and Region 8
Society of Swiss Informaticians (SSI)

Microprocessors and peripheral devices are in a perfect symbiosis. Microprocessor systems (process control equipment, industrial robots, automated instruments, personal computers, etc.) need adequate peripherals for storing their information and for communicating with their human and mechanical partners. At the same time, printers, disk memory, and displays cannot survive without at least one processor. Their actuators and sensors require at least some intelligence to reach their intended performance levels.

The aim of the joint International Conference on Advances in Microprocessors and Peripheral Devices ("Journees d'electronique et de microtechnique 1984") is to review the state of the art in this field and discuss current trends. Scheduled for October 9-11, 1984, at the Swiss Federal Institute of Technology in Lausanne, the conference will serve as a forum for professional partners such as mechanical and electronic designers of peripheral devices and associated interfaces. The conference will be of particular interest to industrial users, systems engineers, technically oriented managers, and educators.

Topics of interest include the following:
- Technologies of peripherals: disks, printers, displays, etc.
- Smart sensors: special A/D techniques, processing, conditioning of parameters, autogenerating strategies, etc.
- Smart actuators: positioning mechanisms, robots, power conversion, interfacing, etc.
- Man/machine interaction: input devices, ergonomics, human acceptance, interactive dialogs, etc.
- System implementation and design: communication among subsystems, design tools, methodology, etc.

A special issue of IEEE Micro magazine is planned for October 1984, and will include a selection of the full papers submitted in English before May 15.

Prospective authors are invited to submit proposals based on a full text (for tutorials) or a detailed summary (for specialized papers) before March 15, 1984 to
Scientific Committee
Secretariat des Journees d'electronic et de microtechnique
Department d'Electricite — EPFL
16, Chenin de Bellerive
CH-1007 Lausanne
SWITZERLAND

The papers should be prepared for oral presentation, in French or in English (simultaneous translation) of 40 minutes duration for a tutorial paper and 25 minutes for a specialized paper.

The authors will be informed about the acceptance or refusal of their proposals by May 1984. The final texts (20 pages maximum for a tutorial paper, 12 pages maximum for a specialized paper) of the accepted papers will have to be prepared according to special instructions and sent to the organizers before August 1, 1984. The conference proceedings will be published by the Presses Polytechniques Pommandes and distributed to the participants at the opening of the conference.

Additional inquiries should be sent to the conference secretariat mentioned above. Telephone: (Swiss) 41 21 471111; Telex: (Swiss) 26420

GENERAL INFORMATION

Final program with registration card will be available in July 1984. Registration deadline: September 15, 1984.

Registration fee (not applicable to speakers), including one copy of the proceedings: 180 Swiss francs (before deadline), 240 Swiss francs (after deadline).