PAPERS ARE INVITED FOR 1973 NATIONAL COMPUTER CONFERENCE & EXPOSITION

A Call for Papers has been issued for the 1973 National Computer Conference and Exposition to be held June 4-8 in the New York Coliseum.

According to conference General Chairman Dr. Harvey L. Garner, of the University of Pennsylvania, “The 1973 National Computer Conference & Exposition ushers in a new conference concept — the bringing together at one time and in one place all of the interests of the data processing community on a once a year basis. The conference will serve the end-user, the technologist, and various levels of business management by providing forums for the discussion of problems, requirements, theory and solutions in both the application and technology of information processing.”

“Consistent with the overall conference objectives, the program will be divided into three major areas: The Science and Technology Program, directed by Dr. Carl Hammer of Univac, and The Methods and Applications Program, directed by Robert Bemer of Honeywell Information Systems. A third segment consisting primarily of briefings and seminars will focus on overall industry trends and prospective, as well as general management issues. In addition to submitted papers, the program will include extensive panel discussions, special seminars and invited presentations.”

According to Carl Hammer, “The Science and Technology Program will critically examine a large spectrum of information processing systems technology from the viewpoints of the AFIPS Constituent Societies.” Emphasis will be given to the following areas:

- Hardware, including logic, components, design and development; technology of processors, peripherals, terminals and communications devices; microprogramming and systems architecture.
- Software, including operating systems, programming languages or techniques; data structures, data base design, documentation and program certification.
- Foundations of the computer sciences, including switching theory, information theory, meta-mathematics, automata theory and artificial intelligence.
- Solutions to problems arising in administration, business, education, engineering and medicine, etc.
- New issues, including data security, cryptography, program validation, performance evaluation, computer and data-sharing networks,

According to Robert Bemer, “In the Methods and Applications Program, a large spectrum of information processing will be critically examined from the viewpoints of the end-users and the groups or societies that represent their interests. Particular attention will be given to contemporary topics of interest to the user including user requirements and problems. A major purpose is to continue and strengthen the vital dialogue that has been initiated between end-users and suppliers of technology.” Emphasis will be given to the following areas:

- Applications specific to such fields as architecture, communications, earth resources management, education, design and production engineering, finance, government, health and medicine, manufacturing and distribution industries, automotive and petrochemical industries, energy industry, law, management, printing, transportation, etc.
- The social impact of increasing integration of information processing into human activities, i.e., data banks, wired cities, and the monetary system.
- Methods whereby access to information processing technology is improved for the user, e.g., documentation, customizing, self-teaching systems.
- Solutions to or definition of existing and anticipated managerial problems of the end-user.
- Definition and solution of problems peculiar to the end-user.

Instructions to Authors

Six copies of the manuscript, each complete with cover page, abstract, index terms, and illustrations (all of which will be retained) must be submitted to the chairman in whose program the author wishes to participate before February 1, 1973. In advance of this date, prospective authors are requested to submit an abstract and a statement of intent to contribute a paper, before December 31, 1972. Authors will be notified before February 15, 1973, about the disposition of their papers.

Submit papers to: Dr. Carl Hammer, Chairman, Science and Technology Program, c/o Univac, 2121 Wisconsin Avenue, N.W., Washington, D.C. 20007. Telephone: (202) 338-4958 or Mr. R.W. Bemer, Chairman, Methods and Applications Program, c/o Honeywell Information Systems, P.O. Box 6000, Phoenix, Ariz. 85005, Telephone: (602) 993-2569.