Call for papers for Computer

The following special issues of Computer are being organized:

1976
October: Operating Systems
November: Program Behavior
December: Perspectives on the Future

1977
January: Manufacturing Automation
February: Microcomputer Architecture
March: Hobby/Home Computers
April: Simulation
May: Stack Machines
June: Computer Hardware Description Languages
July: Distributed Processing
August: Microprocessor Applications
September: Image Processing
October: Military Computers
November: Computer Networking
December: System Programming Languages

To be considered for a special issue, papers should be submitted at least 6 months prior to the date of the issue. Besides theme-related papers, we're also looking for papers that survey recent important developments across the breadth of the field, describe particular developments from a tutorial point of view, or explore application areas.

Submit all manuscripts (four complete copies) including illustrations and references or bibliography to our technical editor: Dr. Jack D. Grimes, Tektronix, Inc., MS 60-456, Beaverton, OR 97077.

A format guide is available from the Computer Society Publications Office. Circle 919 on the reader service card, p. 75, to obtain a copy.

Editorial Schedule for...

IEEE TRANSACTIONS ON COMPUTERS
Editor: Dr. Richard Merwin, U.S. Army Safeguard System Office, 1300 Wilson Blvd., Arlington, VA 22209

October 1976

Special section on microprogramming

Foreword and Introduction, Y. Chu
"Microprogram Optimization: A Survey," T. Agerwala
"Strum: Structured Microprogram Development System for Correct Firmware," D. A. Patterson
"Toward Optimization of Horizontal Microprograms," M. Tsuchiya and M. J. Gonzalez
"The Effects of Emerging Technology and Emulation Requirements on Microprogramming," S. H. Fuller, V. R. Lesser, C. G. Bell, and C. Kaman

Regular papers

"Curvature and Creases: A Primer on Paper," D. A. Huffman
"On the Computational Cost of Approximating and Recognizing Noise Perturbed Straight Lines and Quadratic Arcs in the Plane," D. B. Cooper and N. Yalabik
"Simplified Decomposition of Boolean Functions," H. A. Curtis

Future issues

December 1976: 25th Anniversary of Computer Society
February 1977: Parallel Processing
April 1977: Arithmetic Systems
Fall 1977: Special sections on Distributed Processing Systems and Programmed Logic Arrays

For subscription information on TRANSACTIONS, use Reader Service Number 918 on p. 75.

September 1976

Classified Ads

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Faculty positions in computer science: Applications are invited for faculty positions in the Department of Computer Science starting January or September 1977. Rank and salary open. Candidates should have a Ph.D in computer science or a closely related area, and strong research interest in operating systems, simulation, software engineering, computer architecture, programming languages, or other areas of current interest. Send resume to Dr. Olin G. Johnson, Chairman, Department of Computer Science, University of Houston, Houston, Texas 77004. An Equal Opportunity/Affirmative Action Employer.

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