Just Out


The 17th International Computer Society Conference focused on various aspects of computer networking. Over 25 sessions covered such topics as networked information services, packet bus structures, standard interfaces and protocols for distributed systems, network performance analysis, network architectures, standard interfaces and protocols for data communications, privacy and networks, network operating systems, cryptography, and satellite communications.

Non-members—$16.00 Members—$12.00


This tutorial examines the fundamental design choices in computer communications systems, investigates fundamental protocol choices within computer communications systems, and discusses existing offerings. Specific topics include switching methods, topological layout, equipment, subnet protocol design, and the X.25 interface.

Non-members—$16.00 Members—$12.00


This tutorial explains some of the new developments which have taken place in system and program testing techniques. Breakthroughs include new methods for analyzing program structure to identify critical paths, new techniques for quantifying test coverage to reveal what has and has not been tested, new techniques for analyzing test results, new systematic methodologies for planning and controlling the testing process, and new automated tools and software aids for testing. This publication replaces the Tutorial on Program Testing Techniques by Edward F. Miller, Jr., and includes 13 papers from that previous publication.

Non-members—$16.00 Members—$12.00


These proceedings present approximately 30 abstracts and papers discussing current research involving microprocessors and microprocessor-based systems. Topics include microprocessor architecture, multimicroprocessors, numerical computation, and microcomputer software and languages. Also included are five papers dealing with the social impact of microcomputers.

Non-members—$16.00 Members—$12.00

Recent Publications


Topics include network configuration and vocabulary, hardware and software components, utilization measurement and evaluation, and costs and issues in management.

Non-members—$13.50 Members—$10.00


This IEEE Computer Society-sponsored conference examined the problems being created for the 1980’s by the events of the late 1970’s. Six sessions covered computer systems organization, software engineering, personal computing, data base systems, education and training, and basic technology. The proceedings present 39 papers on these topics, as well as concluding analyses of the papers.

Non-members—$20.00 Members—$15.00


These proceedings offer 27 long papers on such topics as system design and evaluation, self-test evaluation, test generation, compact testing, distributed systems, LSI-based design and evaluation, design verification, and design for testability. Also included are 26 short papers on similar topics.

Non-members—$25.00 Members—$18.75


This annual conference, cosponsored by ACM SIGDA and the IEEE Computer Society’s Technical Committee on Design Automation, deals with the adaptation of the basic processes of design automation to many technologies. This year’s proceedings present approximately 70 papers covering such topics as computer-aided mapping, printed circuit board layout, testing methodologies, integrated circuit layout, computer-aided documentation, and software engineering tools.

Non-members—$25.00 Members—$18.75

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