Now available . . .


Twenty papers were presented at the annual forum for the interchange of information related to digital computer simulation. Among the topics covered in these proceedings are SIMIUS, an environment for material flow systems simulation; GMSS, a graphic modeling and simulation system; and various medical, industrial, and military applications.

Nonmembers—$36.00 Members—$18.00


Digests of well over 100 papers from the Computer Society's Compcon Spring 83, which brought together the largest and most diverse program in the conference's history, are included in this volume. The 44-session technical program groups into four broad tracks: networks, distributed systems, and database systems; VLSI and architecture; applications, especially ones representing interaction between computer technology and previously unrelated areas; and software topics ranging from expert systems for non-computerists to software development technology.

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This tutorial brings together many early papers on Ada and its environment. It also contains tutorial papers describing the language's most important aspects—especially those that apply to real-time embedded systems, an area that has suffered from a lack of high-level languages and an area the DoD designed Ada to address. The editors have grouped 42 reprints into nine parts, provided an overview for each part, and included a glossary and bibliography.

Nonmembers—$30.00 Members—$22.50


Unapproved draft—published for comment only—is part of the IEEE 802 family of proposed standards for local area networks. The standard will define a single logical link control protocol and four media and media access technologies, including this one—a bus using carrier sense multiple access with collision detection as the access method.

Nonmembers—$30.00 Members—$15.00


Unapproved draft—published for comment only—defines one of four local-area network medium access standards, each appropriate for particular applications or system objectives. All, including this token-passing bus and physical layer specification, are intended for use with the logical link protocol defined in IEEE draft standard 802.2.

Nonmembers—$30.00 Members—$15.00


Unapproved draft standard—published for comment only—defines a logical link control protocol for local area networks. It is intended for use with four types of media access: a CSMA/CD bus, a token-passing bus, a token-passing ring, and a metropolitan area network. Comment draft standards of the first two access methods (Computer Society Order Numbers 923 and 924, respectively) are also available.

Nonmembers—$30.00 Members—$15.00

926: Recommendations and Guidelines for Associate Degree Programs in Computer Systems Technology, July 1982—17 pp.

The result of a three-year effort by the IEEE Computer Society, this report presents program goals, curriculum content, and implementation guidelines for associate degree programs in computer systems technology. The guidelines will serve as a model for new programs and a comparison standard for existing programs.

Members and nonmembers—$5.00

Recent publications . . .


Not intended to be a complete survey of complexity measures or of testing techniques, this tutorial describes a very specific methodology that has become known as structured testing. The papers discussing this two-phase methodology cover both theoretical notions and pragmatic step-by-step methods for acquiring test data and carrying out the testing process.

Nonmembers—$30.00 Members—$15.00


The symposium is sponsored annually by the IEEE Computer Society and the National Bureau of Standards to provide a forum for discussion of issues related to networking, applications, and new techniques in the field. Some of the topics at this year's symposium included computer teleconferencing and virtual networking, integrated satellite communication protocols, local area networks, network protocols and security, and standards.

Nonmembers—$30.00 Members—$15.00


This symposium is the third in a series for specialists in data acquisition, distributed computing, and decentralized control to exchange ideas and experience in real-time systems analysis, development, and application. The 22 session papers included here deal with multicomputer architecture, fault detection, performance analysis, interconnection networks, resource allocation and scheduling, distributed operating systems, design methods, and design tools.

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