

# THE BOOKSHELF

## Just out...

**672 (ISBN 0-8186-0672-X): Magazine Reprints—1984 Issues of Database Engineering, edited by D. S. Batory, R. H. Katz, D. R. Ries, and D. Reiner, 1985—263 pp.** This book contains the four 1984 issues of *Database Engineering*. The first issue summarized working group discussions at the Second International Workshop on Statistical Databases, which was held in September 1983. The second was on engineering data management; it covered recent CAD/CAM work. The third issue dealt with multimedia data management, and the last examined database design aids, methods, and environments.  
Nonmembers—\$20.00    Members—\$15.00

2bshl7, 39:1-4, 13:5-8, 6-7-85, ljf  
disk COM 3, job: com434

**632 (ISBN 0-8186-0632-0): Proceedings—Seventh Symposium on Computer Arithmetic, June 4-6, 1985—343 pp.** Forty-seven papers were accepted for presentation at this conference, which was held at the University of Illinois. They covered theoretical foundations, arithmetic algorithms, processor architectures, hardware and software implementations, error controls, and advanced applications of high-speed and high-accuracy arithmetic systems in modern digital computers.  
Nonmembers—\$36.00    Members—\$18.00

**631 (ISBN 0-8186-0631-2): Proceedings—15th International Symposium on Multiple-Valued Logic, May 28-30, 1985—407 pp.** The theme of this conference was "The Relationship of Multiple-Valued Logic to Future Generations of Computer Systems and Technology." Nearly 60 papers were presented by authors from 12 different countries. They covered multiple-valued logic, circuits, logic design, fault tolerance, applications, artificial intelligence, algebra, fuzzy logic, and formal logic/philosophy.  
Nonmembers—\$48.00    Members—\$24.00

**617 (ISBN 0-8186-0617-7): Proceedings—Fifth International Conference on Distributed Computing Systems, May 13-17, 1985—561 pp.** This conference encompassed the technical aspects of specifying, designing, implementing, and evaluating distributed systems. In such systems, there are multiple processing resources

interconnected to cooperate under system-wide control with minimal reliance on centralized procedures, or hardware. The conference's technical program was divided into seven areas: architectures, networks, operating systems and languages, distributed databases, fault tolerance, performance evaluation, and applications.  
Nonmembers—\$56.00    Members—\$28.00

## Recent Publications . . .

**669 (ISBN 0-8186-0669-X): Record of Proceedings—The 18th Annual Simulation Symposium, March 13-15, 1985, edited by Anita Miller—268 pp.** The Annual Simulation Symposium is sponsored by the Computer Society, the Association for Computing Machinery, and the Society for Mathematics and Computers in Simulation. The variety of the papers included in this compilation reflects the symposium's objectives: to permit an opportunity to survey the state of the art across a broad range of applications; to demonstrate the widest possible range of simulation languages, with their strengths for individual problems; to provide potential users of simulation with first-hand exposure to methods; and to maintain objectivity to the art of simulation, through a non-commercial meeting without obligation to any specific language or hardware.  
Nonmembers—\$37.50    Members—\$18.75

**629 (ISBN 0-8186-0629-0): Proceedings—The 1985 Symposium on Security and Privacy, April 22-24, 1985—241 pp.** This symposium is the sixth in a series of annual conferences that helped to establish computer security as a distinct discipline of computer science and engineering. The computer security topics addressed cover a wide range, including verification methods and tools, network security, cryptographic algorithms and techniques, security policy, and OS and DBMS security mechanisms.  
Nonmembers—\$36.00    Members—\$18.00

**616 (ISBN 0-8186-0616-9): Proceedings—1985 IEEE Microprocessor Forum, April 2-4, 1985—181 pp.** This conference, which was divided into 10 sessions, was subtitled "Design

Productivity Through Engineering Workstations." The papers included in this compilation were presented at sessions on "Microprocessors, Simulation, and Modeling," "Public Policy on Computer Technologies," "Languages—Databases," "CAE Systems in the

**605 (ISBN 0-8186-0605-3): Tutorial—Local Network Equipment, 1985, edited by Harvey A. Freeman and Kenneth J. Thurber—369 pp.** The editors write in the Preface that "this tutorial is offered as a means of learning more about the products and systems that are being used today or will be used in the near future. The articles describe...various companies' experience in building their products, in supporting the many applications for local networks, and in dealing with the theoretical issues of local networks in practical terms....[They] are interspersed with [product descriptions] that we prepared ourselves. Our choice for inclusion was based on the number of systems sold, the features, the ability to survive the onslaught of AT&T and IBM, and the like."  
Nonmembers—\$36.00    Members—\$24.00

**604 (ISBN 0-8186-0604-5): Tutorial—Computer Communications: Architectures, Protocols, and Standards, 1985, edited by William Stallings—485 pp.** The focus of this tutorial, which includes both reprinted and original material, is twofold. First, it presents the motivations for, and design principles of, a communications architecture. Second, it presents a broad overview of communication protocols. Most of the material can be comfortably read by persons with no background in data communications. It is organized into sections on communications architecture, physical and data link protocols, network access protocols, internetworking, transport and session protocols, and presentation and application protocols. A glossary and a bibliography are included.  
Nonmembers—\$39.00    Members—\$24.00

**569 (ISBN 0-8186-0569-3): Tutorial—Software Quality Assurance, 1985, edited by Tsun S. Chow—497 pp.** The editor says that this tutorial "is intended for managers and engineers who are interested in understanding software quality and in familiarizing themselves with the latest advances in software quality assurance techniques...The material selected for this tutorial is biased toward practical approaches that have demonstrated their effectiveness in practice. Whenever possible, articles that report applications experience and that compare or contrast various techniques were selected to give the reader an objective view of the entire subject area."  
Nonmembers—\$36.00    Members—\$27.00

## ORDERING INFORMATION

- All Computer Society publications are also available on microfiche.
- You may now order on your Visa, Master Card, or American Express (\$15.00 minimum).
- Member rates apply on the first copy for personal use only. Additional copies of the same title are sold at list price. No returns or refunds after 60 days from date of shipment (overseas, 90 days).
- All prices subject to change without notice.