

THE BOOKSHELF

Just out . . .

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

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

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

659 (ISBN 0-8186-0659-2): Proceedings—The 17th Southeastern Symposium on System Theory, March 24-26, 1985—285 pp. The primary goal of this symposium is to promote better communications and stronger contacts between the electrical engineering and systems faculties of the universities in the Southeast. The symposium was divided into sessions on power system operation and protection, control, communications, power, new directions in control engineering, digital, personal computers in electrical engineering education, and fields.
Nonmembers—\$37.50 Members—\$18.75

626 (ISBN 0-8186-0626-6): Proceedings—Aerospace Computer Security Conference: Protecting Intellectual Property in Space, March 20, 1985—83 pp. The conference chairman writes that "The primary purpose of this conference is to bring together people and organizations which have a common interest in protecting intellectual property generated [for use] in space and to provide a forum where these users can begin to identify and discuss the unique problems and issues associated with this goal....The conference also presents speakers describing approaches which may be applicable to analyzing and implementing protection in the aerospace environment."
Nonmembers—\$32.00 Members—\$16.00

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

Building Industry," "Image Processing and Computer Vision," "CAE-Microprogramming and Modeling," and "Design with Workstations."
Nonmembers—\$37.50 Members—\$18.75

615 (ISBN 0-8186-615-0): Proceedings—1985 IEEE International Conference on Robotics and Automation, March 25-28, 1985—1068 pp. In the Foreword to this volume, the Conference Committee writes: "The *Proceedings of the 1985 IEEE International Conference on Robotics and Automation* presents a truly comprehensive picture of research in robotics and its application to automation. The enthusiastic response to our call for papers shows that this second in a series of conferences fills a longstanding need for a broad-based, research-oriented conference in robotics and advanced automation."
Nonmembers—\$80.00 Members—\$40.00

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

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547 (ISBN 0-8186-0547-2): Proceedings—Computers in Cardiology, September 18-21, 1984, 562 pp. The Computers in Cardiology conferences have a well-established tradition of interdisciplinary participation. The 1984 conference covered the general area of the application of computers to cardiovascular research, diagnosis, and treatment.
Nonmembers—\$54.00 Members—\$27.00