Programs: TRENDS & APPLICATIONS—ADVANCES IN SOFTWARE TECHNOLOGY—Washington, D.C.

Proceedings: 2nd INTERNATIONAL SYMPOSIUM ON COMPUTER-AIDED SEISMIC ANALYSIS AND DISCRIMINATION—North Dartmouth, Massachusetts

The interest in computer-aided seismic analysis and discrimination has been steadily increasing in light of international developments. This volume covers such topics as: migration and geophysical inverse techniques, pattern recognition, multiple-tensor data analysis, digital filtering, power spectrum analysis, etc. Also included is a tutorial on current inverse techniques in geophysics.

370 (81CH1687-3); August 1981, 158 pp. NM; $16.00; M: $12.00

Proceedings: 1981 INTERNATIONAL CONFERENCE ON PARALLEL PROCESSING—Delaware, Michigan

The tenth anniversary meeting of this conference reflected the increasing interest in and growth of parallel and distributed processing in a wide variety of applications. Sixty-six papers are included under session topics which cover: languages, compilers, distributed systems and networks, algorithms, multiprocessor architectures, VLSI architectures, interconnection networks, array processors, performance evaluation, etc.

354 (81CH1634-5); August 1981, 360 pp. NM; $25.00; M: $18.75

Proceedings: 11th INTERNATIONAL SYMPOSIUM ON FAULT-TOLERANT COMPUTING—Portland, Maine

The emphasis of this annual conference is on diagnostics, testing, and reliability of a wide variety of systems. Sessions cover: communications, software, distributed system research, designing for testability, new testing techniques, performance evaluation, network models, multiprocessor and VLSI testing, etc.

350 (81CH1600-6); June 1981, 250 pp. NM; $25.00; M: $18.75

Proceedings: COMPCON Fall ’81—Washington, D.C.

The theme of this year’s conference was “Productivity—An Urgent Priority.” With very few real productivity measures available in the field of data processing (except, of course, hardware), this conference brought together a large cross-section of computer professionals. Topics covered included: improving software productivity, human factors in software development, quality assurance, software models, hardware design, test evaluation, software management productivity, etc.

372 (81CH1702-0); September 1981, 362 pp. NM; $25.00; M: $18.75

Proceedings: 7th INTERNATIONAL CONFERENCE ON VERY LARGE DATA BASES—Canne, France

Fifty-one papers were presented at the Seventh Very Large Data Bases Conference (VLDB), cosponsored by the IEEE Computer Society, ACM, and INRIA. In the 20 sessions, papers discuss such topics as: data modeling, data base transactions, concurrency control, performance evaluation, data base design, data compression, etc.

371 (81CH1701-2); September 1981, 594 pp. NM; $36.00; M: $27.00

Proceedings: 1981 SYMPOSIUM ON SECURITY AND PRIVACY—Oakland, California

Concerned with all aspects of data flow and data base protection and security, this symposium consisted of 20 presentations. Subjects of the symposium cover such areas as: cryptography, security verification, protocols, data base management, and security, system architecture to support security, hierarchical protection systems, security models, etc.

345 (81CH1629-5); April 1981, 182 pp. NM; $16.00; M: $12.00

* The 1981 IEEE Computer Society Press publications catalog, listing over 300 titles, is available by writing to: IEEE Computer Society, P.O. Box 639, Silver Spring, MD 20907-0639 or simply check where indicated on the Order Form.