Future Computing Systems: Research and survey papers are sought in all areas of computing (including device technology, machine architecture, software engineering, human-computer interface, artificial intelligence, and robotics) and in the socioeconomic impact of computer technology. Persons interested in submitting material are asked to contact M.L. Shaw, Dept. of Computer Science, York University, North York, Ontario M3J 1P3, Canada.

Third International Conference on Data Engineering: February 2-6, 1987, Los Angeles, California. Papers are solicited on topics including logical and physical database design, design of knowledge-based systems, and performance evaluation. Submit four copies of papers before June 15, 1986, to Third Data Engineering Conference, IEEE Computer Society, 1730 Massachusetts Ave. NW, Washington, DC 20003-1903; (202) 371-0101.


Real-time Software Design Using MIL-STD-1750A Defense Dept. Instruction Set, July 15-17, 1986, Dayton, OH; September 9-11, Boston, MA; November 11-13, Los Angeles, CA; $800. This seminar, intended for design and software engineers, covers the fundamentals of the 1750A instruction set and real-time software design through lectures and hands-on exercises. Students will develop and run their own applications and support software. Contact the Fairchild Microcontroller Division, 450 National Ave., Mountain View, CA 94043; (415) 962-3879.

Personal Computer Interfacing for Scientific Instrument Automation, July 24-26, 1986, Washington, DC; September 18-20, 1986, Charlotte, NC; $495. These are hands-on workshops with each participant writing and testing interfaces on IBM and other PCs. Contact: Dr. Linda Leffel, Virginia Tech, Blacksburg, VA 24061; (703) 961-4848.

Fourth International Workshop on Software Specification and Design: April 3-4, 1987, Monterey, California. Submissions are solicited on topics including logical (six-page maximum) by July 14, 1986, to M.T. Harandi, Dept. of Computer Science, University of Illinois at Champaign-Urbana, 1304 W. Springfield, Urbana, IL 61801.

International Computer Symposium: December 15, 1986, Tainan, Taiwan. Papers are sought on all aspects of computer science, engineering, and information-processing technology. Submit a 200-word abstract and complete manuscript (20-page maximum) by August 1, 1986, to Ming T. Liu, Dept. of Computer and Information Science, Ohio State University, 2036 Neil Ave., Columbus, OH 43210-1277; (614) 422-1837.

**D&T Education**

Relational Database Design Workshop. June 16-19, 1986 and November 3-6, 1986, Washington, DC; $860. This workshop emphasizes design concepts, techniques, and their effective implementation with several hands-on exercises for data modeling; conceptual, logical, and physical design concepts; normalization techniques; and data group decomposition. Contact Jim Scribner, Continuing Education Program, George Washington University, Washington, DC 20052; (800) 424-9773.


**NATO Advanced Study Institute on Logic Synthesis and Silicon Compilation for VLSI Design, July 7-18, 1986, L'Aquila, Italy: 3,300,000 Italian Lire (about $2125). The fee includes transportation from Rome to L'Aquila and return, lodging July 6-17, meals, lecture notes, and social activities. Course content includes module generation, procedural design and symbolic layout, placement and routing, logic decomposition, synthesis of sequential systems, expert systems and silicon compilers for signal processing. Contact: Ing. Stefano Brecchia, Scuola Superiore G. Reiss Romoli (SSGRR), Strada Provinciale di Coppito, Km. 6,300, 67100 OPPITO (L’Aquila), Italy; TWX 600870 SSGRR-I.

Gallium Arsenide Integrated Circuits. July 28-August 1, 1986, Microwave Circuit Design I: Linear Circuits, August 4-8, 1986, Microwave Circuit Design II: Nonlinear Circuits, August 11-16, 1986, College Park, MD. For details including fees, Contact: UCLA Extension Dept. of Engineering and Science, PO Box 24901, Los Angeles, CA 90024; (213) 825-3344.

Effective Management of CAD Systems and Products. August 18-22, 1986, Durango, CO; $595. Contact: Philip M. Bennett, Program Director, Dept. of Engineering Professional Development, University of Wisconsin, 432 North Lake St., Madison, WI 53706; (608) 263-4705.