Recent trends in computer systems organization have been pulling architects in different directions—traditionalists are standing by von Neumann architecture; mavericks are proposing advanced architectural features. Believing that a good architecture can be designed only by bringing the opposing camps together, the organizers of this workshop presented sessions that dealt with the impact of programming languages, operating systems, software engineering, VLSI, and microprogramming on computer systems organization.
Nonmembers—$36.00 Members—$18.00

This year’s symposium had 21 sessions, 10 of which were invited. The proceedings includes 83 papers on system methodology and modeling and simulation; delay, control, distance, and architecture description/verification systems; speech and image processing, industrial, and military application; and networks, controllers, and manipulators.
Nonmembers—$45.00 Members—$22.50

The PC3-83 theme, “Control of Complexity,” implicitly recognized the relationship between computers and communication and their tendency to merge into a single, broader discipline. The conference proceedings contains over 100 papers in seven major areas: computer systems architecture; reliability, availability, and serviceability; computer-aided processes; software theory and applications; software development and delivery; integrated circuits; and the human element.
Nonmembers—$60.00 Members—$30.00

Now in its sixth consecutive year, Micro-Decon is a one-day forum that promotes interaction between academic and industrial professionals in the Delaware Bay area. The topics for this year’s six-session program were signal processing, performance evaluation, software, networks, mathematical methods with computer applications, and computer graphics. The proceedings contains two to five papers on each subject.
Nonmembers—$24.00 Members—$12.00

Since software engineering is an emerging field, new terms are constantly generated and new meanings adopted for existing terms. This glossary, compiled by the IEEE Computer Society’s Technical Committee on Software Engineering, identifies and defines current software engineering vocabulary to promote clarity and consistency in its use.
Nonmembers—$7.50 Members—$6.75

Standardized test documents can facilitate communication by providing a common frame of reference and can serve as a completeness checklist for the associated test process. The documents outlined in this standard, prepared by the IEEE Computer Society’s Technical Committee on Software Engineering, cover test planning, specification, and reporting.
Nonmembers—$8.00 Members—$7.20

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Recent publications...

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 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