Computing careers and education

The Technical Area of Computing Careers and Education offers those attending NCC-78 a state-of-the-art view of topics including Professional Requirements and Educational Alternatives, Accreditation of Information Processing Programs, Professionalism and Professional Development, Career Paths for Women, and Computers in Early Education. Viewpoints will be presented as to what educational skills and backgrounds recent graduates should have as they enter positions in industry and government. Needs will be identified for a formal evaluation program that will accredit the offerings of particular institutions and programs, similar to accreditation guidelines for computer engineering programs. Treatments of obsolescence problems through professional development for the computing professional, including guidelines for defining and conducting an individual professional development program, will be covered. It will, also, be postulated that women must more carefully design their careers in information processing. Finally, calculators and microcomputers are now cheap enough so that preschools, elementary schools and high schools can afford to give students quite good access to them, and better training and education with them.