

# Stress Alert

The **University of Rochester's Institute of Optics** has been designated the New York State **Center for Advanced Optical Technology** by New York State governor, Mario Cuomo. Rochester is one of four universities designated by New York State as centers that will foster collaborative university-industry programs to develop technologies with high economic potential. The other institutions chosen were Cornell University, Polytechnic Institute of New York and the State University of New York at Stony Brook. The Institute of Optics, an academic department of the University's College of Engineering and Applied Science, has long been a world center for optical research and education.

**The University of Michigan, College of Engineering** has announced several 1983 summer engineering conferences. **'Finite Elements in Mechanical Design, A: Static, Linear Analysis'** (8315), to be held July 18-22 and chaired by William J. Anderson, will present energy formulation and modeling concepts. **'Finite Elements in Mechanical Design, B: Dynamic and Nonlinear Analysis'** (8316) will be held July 25-29 and will also be chaired by Dr. Anderson. It will cover vibration, material nonlinearities and geometric nonlinearities. **'Design and Analysis of Engineering Experiments'** (8321), to be held August 1-12 and chaired by Charles Lipson, will present recent developments in the field of testing, methods for designing experiments, interpretation of test data and procedures for better utilization of existing data. Further conference information can be obtained by contacting The University of Michigan, College of Engineering, Chrysler Center, North Campus, Ann Arbor, MI 48109; (313) 764-8490.

**Scientific-Atlanta, Inc.**, Atlanta, GA, has received orders totaling \$570,000 from **AT&T Long Lines** for **DS-3 bit-error-rate test sets**. AT&T will use Model 4651A/4652A test sets for digital-error-rate testing of microwave-radio systems in its nation-wide long-distance network. The Model 4651A/4652A measures bit-error rate, total errors and error seconds of DS-3 digital communications systems. It is

designed for use in field commissioning, maintenance and production testing of digital-microwave, satellite, fiber-optic communications systems and digital modems.

**Altos Computer Systems** has announced the establishment of new dealer/ISO **software subscription and training programs** aimed at encouraging the application of the XENIX™ operating system in the dealer marketplace. Altos has also implemented a technical support program for software developers to aid in the porting of applications to the XENIX environment. Further information on the program can be provided by Mary Anderson or Linda Pettengill, Altos Computer Systems, 2360 Bering Drive, San Jose, CA 95131; (408) 946-6700.

**Precision Visuals, Inc.** has established an application library for DI-3000 and 'Grafmaker' users who wish to exchange programs and programming expertise. The company will act as a 'clearing house' for **user-developed**

**graphics applications**, maintaining abstracts on all programs and distributing the library for a modest fee, according to Jim Warner, PVI president. Since the library will enable users to share programming ideas as well as graphics programs, it should increase productivity among its users.

**Union College** will hold several **short engineering courses** this summer. 'Fundamental Theory and Modern Design Approaches for Gas-turbine Engines,' is scheduled for July 6-8; 'Fracture Mechanics and Crack Growth for Fracture Control of Structures,' July 18-22; 'The Modern View of Fatigue and its Relation to Engineering Problems,' July 25-29; 'Computer Workshop in Finite-element Methods for Electric and Magnetic-field Problems,' August 1-5; and 'Finite-element Methods for Engineering Analysis,' August 1-5. Information about these courses can be obtained from Union College, Graduate and Continuing Studies, Wells House, 1 Union Avenue, Schenectady, NY 12308-2363; (518) 370-6288.

## Conferences/Exhibits

**November 6-9, 1983.** 1983 SESA Fall Meeting, Hotel Utah, Salt Lake City, UT. Contact SESA, 14 Fairfield Drive, Brookfield Center, CT 06805.

**June 10-14, 1984.** Fifth International Congress on Experimental Mechanics. Le Center Sheraton, Montreal, Quebec, Canada. Contact SESA, 14 Fairfield Drive, Brookfield Center, CT 06805.

**September 3-7, 1984.** International Association for Bridge and Structural Engineering, 12th Congress, Hotel Vancouver, British Columbia, Canada. Sponsored by the Canadian Society of Civil Engineering and the Canadian Group of the IABSE. Organized by the National Committee for the 1984 Vancouver Congress of the International Association for Bridge and Structural Engineering. Contact 1984 Vancouver Congress of IABSE, Canadian Congress Committee, c/o P.F. Adams (Dr.), Faculty of Engineering, University of Alberta, 5-1 Mechanical Engineering Building, Edmonton, Alberta, Canada T6G 2G8; (403) 432-3596.

**November 4-6, 1984.** 1984 SESA Fall Meeting and Manufacturers' Exhibit. Hyatt Regency-Milwaukee, Milwaukee, WI. Contact SESA, 14 Fairfield Drive, Brookfield Center, CT 06805; (203) 775-6373.

## Workshops/Courses

**June 27-29, 1983.** SESA workshop on 'Experimental Mechanics of Composites.' University of Delaware, Newark, DE. Instructors: James M. Whitney, Wright Patterson AFB, Isaac M. Daniel, Illinois Institute of Technology, Michael Duhl, Composites Branch of the Materials Lab of Air Force Wright Aeronautical Labs., and R. Byron Pipes, University of Delaware. Contact: SESA, 14 Fairfield Drive, Brookfield Center, CT 06805; (203) 775-6373.