

**CALL FOR PAPERS FOR TRANSACTIONS
IN ENGINEERING EDUCATION**

Sir:

The American Society for Engineering Education expects to begin publishing an annual *Transactions in Engineering Education*, beginning in December, 1975. Its purpose is to provide a medium for the publication of high quality articles that are of significance and long-lasting interest to the engineering education community. The articles may pertain to any aspect of engineering education: educational research, learning theory, teaching methods, review of on-going projects, administration, organization, guidance, finance, technical research as it pertains to education, and other areas.

The articles may be of any length appropriate to the subject, but on the average are expected to be about 2,400 words. All articles will be carefully reviewed by referees expert in engineering, engineering education, and appropriate allied disciplines. Criteria for selection will be based on the significance of the subject to engineering education, quality of the treatment, and long-lasting value of the article.

Papers to be submitted for the first annual issue should be sent, in five copies, by May 15, 1975 to me at the following address: Bureau of Engineering Teaching, ECJ 10.322, University of Texas, Austin, Texas 70712

Dr. Billy V. Koen

MODELING, SIMULATION AND OPTIMIZATION

Sir:

This is an announcement of our summer program on "New Developments in Modeling, Simulation and Optimization of Chemical Processes" to be held at Massachusetts Institute of Technology on July 28 through August 6, 1975. This special summer program will present basic principles and techniques for computer-aided design and control of industrial-scale chemical processes. Topics to be covered include steady-state process simulation, process optimization, dynamic modeling and simulation of chemical process synthesis, and comprehensive problem-oriented computing systems for chemical process design. For further information, please contact: Director of the Summer Session, M.I.T., Room E19-356, Cambridge, Mass. 02139.

Lawrence B. Evans

**FUNDAMENTALS AND APPLICATIONS
OF MINICOMPUTERS**

Sir:

For the third consecutive summer, a short course entitled, "Fundamentals and Applications of Minicomputers" will be offered by the Center for Industrial and Institutional Development at the University of New Hampshire. This course is designed for the engineering/manager who must have sufficient awareness of the applications of minicomputers to enable him to specify and utilize them in his operation. Participants with and without computer experience will benefit from this integrated

treatment of minicomputer concepts. For further information write: CIID, Kingsbury Hall, U. of New Hampshire, Durham, New Hampshire.

Audrey Savage

APPLIED NUMERICAL METHODS

Sir:

The University of Michigan announces an engineering short course this summer in "Applied Numerical Methods to the solution of practical engineering problems and their implementation on digital computers. The course will be held June 23-27, 1975. For additional information write U. of Michigan, Ann Arbor, Michigan.

Viola E. Miller

PRINCETON'S 1975 SUMMER COURSES

Sir:

Here is a roster of our 1975 Summer Courses in Continuing Engineering Education. **June 9-13:** Perturbation Techniques and Differential Equations, W. Sirignano; Three-dimensional Descriptive Geometry and Computer Graphics, Y. Hazony, S. Slaby; Digital Signal Processing, K. Steiglitz. **June 16-20:** The Statistical Design of Engineering Experimenta, J. Hunter; The Design and Analysis of Railroad Tracks, A. Kerr; Modern Process Control, R. Andres, E. Johnson; Advanced Modeling of Combustion in Internal Combustion Engines, F. Bracco; Groundwater Hydrology and Pollution, R. Cleary. **June 23-27:** Water Pollution Science and Technology, R. Cleary; Prediction for Production and the Arts of Charts, J. Hunter. **July 7-11:** The Numerical Solution of Ordinary Differential Equations of Engineering Importance, L. Lapidus. **July 14-18:** Mathematical Methods of Engineering Analysis I, A. Cakmak. **July 21-25:** Mathematical Methods of Engineering Analysis II, A. Cakmak. **August 4-8:** Compiler Design, J. Ullman, T. Szymanski; The Finite Element Method in the Simulation of Contaminant Transport Processes in Hydrologic Systems, G. Pinder, W. Gray. **August 18-22:** The Finite Element Method in Surface and Subsurface Hydrology, G. Pinder, W. Gray.

If there are any questions write: Summer Course 1975, Princeton University 08540.

Joyce W. Dean

**CACHE
COMPUTER
PROBLEMS****\$50 PRIZE FOR
CACHE COMPUTER PROBLEM**

CHEMICAL ENGINEERING EDUCATION, in cooperation with the CACHE (Computer Aides to Chemical Engineering Education) committee, is initiating the publication of proven computer-based homework problems as a regular feature of this journal. Instructions for submission of problems appears on page 38 of the Winter 1975 CEE or can be obtained by writing Dr. Gary Powers, Carnegie-Mellon University, Pittsburgh, Penn. 15213.