
News/ Products Related to SMET Education

Mr. George Hairston, CEO of Southern Nuclear, has announced his company's commitment to the furthering of SMET education by sponsoring this journal for the three year period, 2000-2002. We thank him for being a pioneer in supporting innovative educational initiatives.

Other companies that have shown interest in sponsorship and/or advertisement in the journal are: **Powertel, Microsoft, Motorola, Hewlett-Packard, Agilent, IBM, AIPT, Metrowerks, and Electronics Workbench**. If your company is interested in becoming a sponsor of the journal, please contact one of the editors-in-chief. We appreciate the willingness of these companies to be leaders in furthering SMET education.

SEATEC announces a national conference on **Developing and Using Case Studies in 2-year Technical Colleges** to be held July 18-21, 2001, in Nashville, TN. This will be an exciting conference where you can learn about innovative instructional methodologies and interact with leaders in SMET education. SEATEC has created more than 20 case studies which are already being used in 2-year technical colleges. If you want to use any of their case studies or need further information about the conference, please check their web site: www.nsti.tec.tn.us/seatec

Case study textbooks and CD-ROMs have been developed under NSF Division of Undergraduate Education Projects #9752353 and 9950514. The authors are **P.K. Raju** and **Chetan. S. Sankar**. These books are available from Tavenner Publishing Company (864) 287-2559, tavpubco@innova.net, or individual copies of the books can be ordered from www.e-technovations.com or by contacting the authors.

- (1) **Dr. Dana M. Elzey, University of Virginia** is using the case study book and CD-ROM, "Design of Field Joint for STS 51-L: Launch or No-Launch Decision" at the University of Virginia during Fall 2000. ISBN: 1-930208-03-0.

This case study book and the accompanying CD-ROM show the events leading to the decision faced by the manager of Morton Thiokol, Inc., to recommend to NASA whether to launch or not launch the STS 51-L, the Challenger. The book and CD-ROM include many original photographs, documents, and engineers' memos.

- (2) **Dr. Gerard Voland, Illinois Institute of Technology** is using two case study books and CD-ROMs during Fall 2000.

The first case study book and CD-ROM, "Della Steam Plant Case Study: Should the Turbine be Shut Off?" describes the conflicting recommendations that were offered to solve the excessive vibration encountered by engineers and managers in a power plant. ISBN: 1-930208-01-4.

The second case study book and CD-ROM, "Crist Power Plant Case Study: Planning for a Maintenance Out age," is a fun and challenging real-world case study, which is designed to apply expert systems to refine the decision-making involved in choosing among multiple alternatives in maintaining a turbine-generator at a power plant. ISBN: 1-930208-02-2.

- (3) **Dr. Ashutosh Mishra, Auburn University** is using the complete case study book, "Integrating Practice, Theory, and Design for Engineers: A Case Study Approach," during Spring 2001.

The complete book (with three CD-ROMs) provides four case studies through which students can participate in decision-making scenarios involving technical and non-technical issues in companies by working with case studies. ISBN: 1-886855-48-X.

If you are performing research or have created instructional materials related to SMET education, please send us an e-mail at litee@eng.auburn.edu for possible inclusion in the next issue of the journal.