Bringing Theory and Practice Together in Engineering Classrooms

March 2-3, 2007
Auburn University

Sponsors: Laboratory for Innovative Technology and Engineering Education (litee.auburn.edu), Auburn, Alabama; Auburn University and the National Science Foundation

The 10th in a series, this is a workshop for engineering faculty interested in developing effective strategies to prepare students for real-world problem-solving situations and train them in team building, interaction, and interdisciplinary skills.

Previous Workshop Speakers Have Included
- Dr. William Wulf, President, National Academy of Engineering
- Dr. Dayne Aldridge, Dean, College of Engineering, Mercer University and expert on ABET accreditation
- Dr. Russell Pimmel, Program Director, National Science Foundation
- Dr. Richard M. Felder, Hoechst Celanese Professor Emeritus, Dept. of Chemical Engineering, NC State University

Course Materials
The course is conducted using specially developed engineering case studies. All case studies discussed in the workshop were developed in partnership with an industry/agency and are real-world problems that occurred in that industry. They provide scenarios where the students can participate in the decision-making process by playing the roles of the engineers and managers involved in that situation.

What Others Have Said about These Case Studies
- Teaching methodology received 1999 Curriculum Innovation Award from American Society for Mechanical Engineers (ASME)
- Della Steam Plant CD-ROM received Premier Courseware Award of 1998 for Excellence in Engineering Education Courseware
- In-Hot Water CD-ROM a finalist in the Premier Courseware Award of 2001 for Excellence in Engineering Education
- LITEE is a CASEE (Center for the Advancement of Scholarship on Engineering Education) Implementation Network Affiliate by National Academy of Engineering since 2003
- P.K. Raju & Chetan Sankar, Thomas Walter Professors, Auburn University, received 2006 leadership recognition award from International Network for Engineering Education & Research (INEER) for integrating business & engineering issues in engineering education

Comments of Previous Attendees
- The speakers were incredible and gave me a renewed enthusiasm for updating and bettering my university’s curriculum.
- Collaboration among faculty from different universities.
- Great insight into real-world problems and how to transfer that information to engineering students.
- Very informative, unique, applicable.
- Well planned, well organized, well structured workshop.
- Good format, keeping participants active and involved, excellent array of presenters, allowed time for networking among participants.

Conference Highlights
Featured speakers may include distinguished engineering educators, ABET officers, NSF Program Directors, and engineering education journal editors. The workshop will be led by Dr. P.K. Raju, Thomas Walter Professor of Mechanical Engineering (Phone: 334-844-3301), & Dr. Chetan S. Sankar, Thomas Walter Professor of Management, Auburn University (Phone: 334-844-6504). Drs. Raju & Sankar have co-authored a series of books on engineering case studies (material used in this workshop). Dr. Raju is editor of the Journal of STEM Education: Innovations and Research.

Cancellation Policy
Auburn University reserves the right to cancel the workshop due to insufficient registrations. This decision is usually made no later than 10 business days prior to the event. If the workshop is cancelled for any reason, all fees will be refunded. Auburn University will not be responsible for travel expenses incurred by a registrant as the result of a cancelled workshop.

Information about Litee Workshops
Please check our website litee.auburn.edu & follow the workshop link. Contact workshop leaders at litee@eng.auburn.edu. For registration information, contact drummje@auburn.edu.

Registration Information
Registration fee is $100. It includes all instructional materials including CD-ROMs for all case studies discussed, textbook, & meals/refreshments on March 2-3, 2007. Payment may be made by check payable to Auburn University. Enrollment is limited to 40 registrants. To guarantee your seat, please register early using the registration form provided & include full registration fees. A block of rooms has been reserved at the Auburn University Hotel & Dixon Conference Center (1-800-228-2876). To obtain your special conference rate ($89.00 & taxes), room reservations must be made by February 1, 2007.