

Call for Proposals

for Conducting Research on the Impact of Case Study Methodology on Student Learning –LITEE National Dissemination Grant Competition,

Sponsored by NSF DUE # 0442531

Deadline: November 15, 2008

The Laboratory for Innovative Technology and Engineering Education (LITEE), Auburn University, is seeking proposals from faculty members interested in integrating LITEE case studies into their classrooms. Each project selected (irrespective of number of faculty members involved) will receive a \$2,000 grant for effective implementation of a case study in a classroom.

LITEE case studies introduce engineering students to the complexity of real-world problems and demonstrate how engineering companies work in the information age. The multimedia tools, including audio, video, and photos, bring real-world issues alive in engineering classrooms, ensuring that students explicitly see the connections between the theory they learn in the classroom and its practical applications.

Grant Guidelines

Participating faculty will use a LITEE case in one of their courses in Spring, 2009, to supplement traditional lecture material. The case studies are available free of charge at **www.liteecases.com**. The instructor and students have to register in this website to have on-line access to the case studies. The instructors will be expected to use surveys to evaluate the impact of the case study methodology on the students' cognitive skills and attitudes. These surveys are available in the **www.litee.org** website under curriculum, curriculum assessment tools tab. An instructor's support system is also available for use of these case studies in the classroom. This is available in the curriculum, instructor support system tab.

Proposal and Project Dates:

- One-page proposal due: November 15, 2008
- Approval of proposal: November 30, 2008
- Conducting the project: Spring 2009
- Report results of project in a specified format: May, 2009
- Grant payment: June, 2009

Proposal Requirements

Interested faculty members should submit a one-page proposal that lists the LITEE case study they have selected to use in their classrooms. Please include your name, institution, and e-mail address in the proposal. The proposal should also include course details and class size. Please indicate your plans to integrate a LITEE case study in your class.

Deliverable

You will be expected to produce a report discussing the implementation of the case study, course details, and summary of student surveys, which will be due in May, 2009.

Submission

Send proposals for the selection process to Dr. P. K. Raju and Dr. Chetan S. Sankar at litee@eng.auburn.edu by November 15, 2008. Proposals will not be accepted after that time. Direct questions also to litee@eng.auburn.edu. Proposals will be reviewed upon receipt and authors will receive a response two weeks after submission. The number of grants is limited. Preference will be given to implementations in engineering courses, although implementations in other courses will be considered.