

International Conference on Engineering Education and Research iCEER-2004, Bouzov Castle, Czech Republic, June 27-30, 2004

CALL FOR PAPERS #15

TEACHING OF ETHICS IN ENGINEERING

Moral or ethical issues frequently arise in all professions. Unlike the well established Medical Ethics and Legal Ethics, Engineering Ethics is a relatively new area of academic endeavour, although it may have often been a part of Business Ethics. Over the past 20 years there have been several major engineering accidents or failures (Challenger, Columbia, Three Mile Island, Chernobyl, Bhopal, power blackouts) and engineering-related failures (California energy crisis, Enron, etc). These have brought into sharper focus, among other things, the pivotal role of engineers in our society and particularly their social responsibilities. Today's engineer must be socially accountable, including the responsibility for the environment and sensitivity to sustainability issues, in addition to his or her technical competence. The examination of these issues needs to be made against the background of social values and societal aspirations, particularly material expectations global communities have, mandating not only broader education of aspiring engineers but a well informed society as well.

It is the aim of this session to focus on the classroom delivery of this message – its format, technique and pedagogical issues, among other things.

Papers are solicited broadly in the following or related areas:

- Design and delivery of an Engineering Ethics course
- Methodologies of incorporating Engineering Ethics into the mainstream engineering and engineering technology courses
- Pedagogical issues in teaching Engineering Ethics
- Engineering Ethics as a bridge between engineering and social responsibility – including environmental and sustainability concerns
- Role of Engineering Ethics in Risk, Safety and Reliability issues – classroom presentation
- Student feedback

IMPORTANT DATES:

January 15, 2004: Abstract due (submit through website indicated below, with e-mail to Session Chair. Be sure to begin the text of your abstract with the title of this session)

February 10, 2004: Notice of preliminary acceptance

March 15, 2004: Paper submission deadline

March 15, 2004: Early registration deadline (required for final acceptance of papers)

March 15, 2004: Deadline for authors' registration to ensure publishing of submitted papers

April 15, 2004: Notice of final acceptance based on peer review (Registration fees will be refunded if papers are not accepted)

Further information is available at the iCEER-2004 web site:

<http://www.fs.vsb.cz/akce/2004/iceer/index.htm>

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