

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

CALL FOR PAPERS #19

EXAMINATION POLICIES FOR THE NEW MILLENNIUM

Engineering education institutions worldwide are faced with the problem of having to evaluate students. Many educators experience the classic paper-based exam as an inappropriate way of testing students, as this approach often promotes pure regurgitation of information and provides no evidence of understanding. There is also a general shift in emphasis from theory to practice. More recent pedagogical trends point towards testing students in tasks and environments that match as closely as possible the scenario the students face once they commence their engineering careers, allowing the students to demonstrate their understanding and skill. Yet realistic task oriented evaluation strategies pose many difficulties, such as scalability for large class sizes, cheating and free riders. Consequently, many educators are skeptical with regards to alternative evaluation practices and therefore still resort to classic paper-based exams.

Topics covered in this session include, but are not limited to, the following issues. Papers to be submitted should comment on the effectiveness of the new approaches and strategies being described.

- Experiences with or studies addressing alternative examination strategies including the use of computers, and especially computers connected to the Internet.
- Experiences with or studies addressing open book exams and the use of advanced symbolic calculators with wireless communication capabilities.
- Experiences with or studies addressing home exams and quality control of these.
- Experiences with or studies addressing portfolio evaluation in engineering subjects.
- Alternative models for student examination, certification and ranking.
- Innovative policies for handling cheating and free riders.
- Innovative examination policies promoting and simplifying student mobility and internationalization.
- Scalability of alternative examination strategies.
- Software technology supporting innovative student evaluation.

This conference emphasizes development of international partnerships in education and research. Through special sessions and international workshops, it provides ample opportunity for discussing future cooperative projects.

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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