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Call for participation Cross-disciplinarity in Engineering Education

3rd CeTUSS Workshop

in collaboration with

Centrum för miljö- och utvecklingsfrågor (CEMUS)

and

IEEE Nordic Education Society Chapter

December 5-6, 2005, Uppsala, Sweden

The third CeTUSS workshop focuses on the following aspects from a student perspective:

- *Cross-disciplinary courses/education programs*
- *Using cross-disciplinary principles*
- *Engineers: cross-disciplinary aspects*
- *Cross-disciplinarity and sustainable development*

This workshop addresses one essential aspect of what it means to be an engineer; being able to deal with cross-disciplinary issues. That is, to be able to look across disciplines for ideas and resources as well be well prepared to interact with people whose training and education is in another discipline. Introducing cross-disciplinary thinking into education can be done at different levels, e.g. in individual courses or entire programs. Sustainable development is a suitable theme for incorporating different disciplines into a holistic unit, and especially relevant since it might be legislated as a quality aspect to be addressed in higher education. By cross-disciplinarity we also mean incorporating methods used in another discipline, e.g. art and education.

The Swedish National Center for Technology Education in the Students' Context (CeTUSS), the Center for Environmental and Developing Issues (CEMUS), and the IEEE Nordic Education Society Chapter therefore arrange a workshop and solicit short abstracts for presentations, panel proposals, and discussion themes related to this area. An accepted abstract is intended to be presented by the author (and an extended version can be included in the proceedings if submitted before December 1). A panel proposal should describe an area to discuss and introduce three to five persons representing different views on the issue at hand. A proposal does not need to include a complete panel (even though that is preferred), leaving the filling of the panel to be discussed with the workshop organizers. Proposals for discussion themes should include a title, a motivation and an initial suggestion for format. Interaction with the workshop organizers is expected for this type of proposal.

Submissions should be sent to Mats Daniels [mats.daniels@it.uu.se] no later than November 4, 2005. The language of the workshop, both for presentations and the proceedings, will be English.

Enrolment should be sent to Ulrika Jaresund [ulrika.jaresund@it.uu.se] by November 25, 2005. CeTUSS provides one nights accommodation and meals during the workshop for Swedish participants. A fee of €50 for meals will be charged for non-Swedish participants.



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CeTUSS [Center för Teknikutbildning i Studenternas Sammanhang, <http://www.CeTUSS.se>] is a Swedish national resource center for pedagogical development in engineering education with focus on efforts to integrate societal aspects and a broader range of subject. Education forms where students interact with themselves, other students, teachers, and the community are of special interest. CeTUSS is sponsored by the Swedish Council for the Renewal of Higher Education.

More information on the CEMUS can be found at <http://www.cemus.uu.se/> and about the IEEE Nordic Education Society Chapter at <http://esn.auc.dk/ieee/>