



Engineering Education: *Approaches to Reform*

7th CeTUSS Workshop

in collaboration with

IEEE Nordic Education Society Chapter

September 30 – October 1 2008, Sigtuna, Sweden

Swedish engineering education is in a state of flux as we harmonise our education with other Universities in Europe as a part of the Bologna process. In this context the nature of "reform" is especially pertinent. A number of new approaches to conducting and designing educational programmes in our Disciplines have been proposed. In Sweden the CDIO approach has been widely used as a basis for reforming technical education programmes. CeTUSS is delighted to announce a workshop with representatives of two other Internationally high profile approaches to conducting and designing engineering degree programmes in use at Aalborg University and Olin College.

We are pleased to be able to arrange a two day workshop with Anette Kolmos (UNESCO Chair in Problem Based Learning, Aalborg University) and Sherra Kerns (F. W. Olin Distinguished Professor of Electrical and Computer Engineering, founding Vice President for Innovation and Research, Olin College), two of the architects behind these innovative approaches to reforming engineering education.

Workshop sessions will present the Olin College and Aalborg University models. Participants will have the rare opportunity to engage in small group discussion with Professors Kolmos and Kerns in sessions dealing with the Olin and Aalborg educational vision, identity and pros and cons of teacher and student centered learning. Critical experiences will be highlighted, especially with reference to learning theories, gender issues and widening participation.

Participants will leave the workshop with a rich set of examples of how, and why, to reform engineering education drawn from the Olin and Aalborg experience. The main objective of the workshop is to provide a forum to discuss engineering education design at the program level, and discussions will be anchored in the settings of the participants.

CeTUSS (Center för Teknikutbildning i Studenternas Sammanhang, <http://www.CeTUSS.se/>) and the IEEE Nordic Education Society Chapter (<http://elite.aau.dk/ieee>) are jointly organizing this workshop sponsored by NSHU (the Swedish Agency for Networks and Cooperation in Higher Education). The language of the workshop will be English.

The workshop is free of charge and includes accommodation in Sigtuna on Tuesday night. Enrolment applications should be sent to Mats Daniels [mats.daniels@it.uu.se] by September 12. Please note that the number of attendees is limited to 35.

