An invitation from the Swedish Engineering Education Network
- the 23 institutions that educate engineers in Sweden

Engineering Education Development
The Royal Institute of Technology, Stockholm
November 26-27, 2008

www.kth.se/ingenjorsutbildningarna

Engineering Education Development 2008 offers opportunities for exchanging experiences of development of Swedish engineering education. The aim is to promote the quality of education through facilitating communication and collaboration. This is not a traditionally scientific conference limited to reporting research *on* engineering education. Rather, we will together identify and discuss issues that are current and common to us all. The development conference is intended to be biannual, and fills a need as the only *national* conference specifically for *engineering education*.

Who is the conference for?

- Instructors in engineering education
- People active in leadership positions for engineering education, such as program chairs, administrators, student counsellors, student representatives
- Educational developers within engineering education

Themes 2008

The themes of the conference include but are not limited to:

- **Development – outcomes and content:**
    - o The learning outcomes in the degree ordinance, on an institutional, program or course level
    - o Integration of engineering competencies (such as communication and language skills, teamwork, sustainable development)
    - o Professional degrees (civilingenjör, högskoleingenjör) vs bachelor and master degrees

- **Development - implementation:**
    - o Effective, interesting, active, meaningful learning activities
    - o Strategies for handling uneven or poor prerequisite knowledge, and the new rules for qualifying to engineering education
    - o Linking students with industry in learning activities
    - o Language of instruction – demands, attitudes, and competence of students and instructors

- **Development - leadership:**
    - o Program development and program leadership
    - o Educational development of engineering education
    - o Quality enhancement, evaluation, ranking

Program (preliminary)

Wednesday 26 November

	Registration
13.30 – 14.45	Opening session

- Rektor Peter Gudmundson: *Welcome*
- Dave Wisler: *Educating the Next Generation of Engineers - A Call to Action*

15.00 – 16.00	Round table discussions (parallel)
16.15 – 17.30	Presentations (parallel)
	Conference dinner

Thursday 27 November

09.15 – 10.15	Plenary session

- Eva Malmström Jonsson: *Recruitment to engineering education – joint strategies* (given in Swedish)
- Jude Carroll: *Handling diversity – better education for all*

10.45 – 12.00	Presentations (parallel)
	Lunch
13.15 – 14.30	Presentations (parallel)
14.45 – 16.00	Meetings in the Swedish Engineering Education Subject Networks

Keynote speakers

- **Dr Dave Wisler**, GE Aviation, USA, founded and leads the *GE's University Strategic Alliance (USA) Program*, whose purpose is to create longterm relationships with key universities to collaborate on engineering education development.

- **Eva Malmström Jonsson** is Professor at KTH Fiber and Polymer Technology, and Vice Rektor at KTH with responsibility for recruitment to engineering education.

- **Jude Carroll** is an experienced educational developer from Oxford Brookes University, UK, with expertise on international students, plagiarism and assessment.

Contact the Swedish Engineering Education Network

Project leader: Kristina Edström, KTH, kristina@kth.se.

Program committee
Kristina Edström, KTH.
Mikael Enelund, Chalmers
Svante Gunnarsson, Linköpings Tekniska Högskola
Peter Lundin, Chalmers
Reidar Lyng, Karlstads Universitet
Johan Malmqvist, Chalmers
Karl Pettersson, Mittuniversitetet
Nina Reistad, Lunds Tekniska Högskola
Karin Spets, Mälardalens Högskola

Contributions are invited

Formats

▪ **Presentations**
20 minutes including time for questions and discussion.
A written contribution of 5-10 pages is required in advance.

▪ **Round table discussions**
45 minutes. Short opening by the discussion leader.
A written summary of 1-3 pages is required afterwards

Time table

▪ June 16: Deadline for sending proposals for contributions
▪ July 8: Acceptance will be notified
▪ October 1: Deadline for delivering written contributions
▪ 24 oktober: Detailed conference program is published

Template for proposals

Title
Maximum 15 words.

Author and institution
State contact information for all contributing authors.

Theme
Identify the most appropriate conference theme.

Format
☐ Presentation (20 minutes)
☐ Round table discussion (45 minutes)

Language
State the language of the contribution (Swedish or English).

Abstract
Maximum 400 words.

Send the proposal to Kristina Edström, kristina@kth.se on or before June 16, 2008.

Criteria for selection

▪ Relevance for the purpose and themes of the conference
▪ Potential to stimulate discussion
▪ Usefulness and applicability to the participants
▪ Contributions that report collaboration or comparisons between institutions