



4th International CDIO Conference
ACTIVE ENGINEERING EDUCATION

June 16-19, 2008
Hogeschool Gent
Gent, Belgium.

Proposal Template

Title Entrepreneurship as a part of CDIO-Standard 3

Authors and Affiliations

Author With Whom to Communicate:

Norbert Gruenwald, Hochschule Wismar, norbert.gruenwald@hs-wismar.de

Other Authors

Cindy Remer, Hochschule Wismar

Type of Presentation: (check one)

active paper (15-30 min)

poster session (60 min)

advanced workshop (45 min)

round-table session (60 min)

advanced workshop (90 min)

Short Description

Entrepreneurship needs inventive talent for a good business idea, needs special skills like high risk propensity, long breath and it needs consultancy and financial support. Last year this round table discussed the competences needed for Entrepreneurship. Now we will discuss the relevance of this skills for the CDIO Syllabus and we will introduce one or more experiences of integrating entrepreneurship processes in University education, especially the Wismar University INFEX-Method

Relevance to Conference Theme, Strands, and/or CDIO Initiative

Indicate by a tick which strand the presentation most closely relates to.

Application of CDIO to a wide range of disciplines

The involvement of industry

Development of professional competencies

Design-implement experiences

Supporting sciences and CDIO

Student involvement

Curriculum and programme design

Technology-enhanced learning

Assessment of professional competencies

Facilitating change in engineering education

Evaluating the impact of CDIO Programs

Active and experiential learning

Abstract (maximum one page)

“Teaching” Entrepreneurship is an extremely special task. Wismar University has experiences in doing that since some years. A special project, called INFEX, is the entrepreneurship center and offers the following entrepreneurship support method:

- The process begins with Lectures and Seminars from experts and little and big bosses
- Self assessments fishes out those students or graduate students which have good chances with a spin off, either because their business idea is sustainable or because they have one or more of the “genes” of self employment.
- Then we have boost instruments: Mentors from the university (mostly professors or regional company owners) assist the product development. Assessments with risk capital bankers are showing the gaps in the ideas or the marketing of the ideas. Beginning from the seed phase about the formation phase of the company until the settlement phase there are different levels of supporting, including money benefits.
- And also after founding the Spin off the new self employers are not alone: a regional network offers different contacts and support if needed.

We want to diskuss in the round table:

- the needs of supporting spin offs
- the skills needed for Spin offs
- the influence of entrepreneurship in CDIO Standards

We want to introduce the Wismar System of Entrepreneurship Integration in Curriculum

We hope to hear from other experiences

And

We hope to have finally some suggestions for the development of CDIO Standards and Syllabus

The round table begins with an introductory talk (Norbert Gruenwald). Followed by a talk about the special Entrepreneurship Method in Wismar (Cindy Remer). The discussion shows some more examples. The final conclusion should be a recommendation for the CDIO Syllabus.

Active presentation techniques

Describe one or two ways in which you intend to engage the audience (for example, paired discussion, personal response using clickers or flash cards ...). This section will play an important part in the acceptance of your proposal and in the time it is allocated.

Active presentation technique(s) to be used:

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Facilities/equipment required (tick all those needed)

- Computer projector (provided in all locations)
- Overhead projector
- Flip charts and pens
- Clickers (personal response system)
- Coloured flash cards
- Post-it notes
- Other (please detail)

Send all proposals electronically as MS Word or pdf files to jgaywood@liv.ac.uk on or before
December 7th 2007