

Conference strand

Facilitating change in engineering education

Title (10 words or less)

Faculty training programs as drivers of educational change – 10 principles

Authors and Affiliations

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Type of Presentation

Active paper (30 min)

Short Description (50 words or less to be published in the programme, please include the learning objectives for participants in your session)

May I please get back with this?

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

Facilitating change in engineering education

Abstract (maximum one A4 sheet)

In Sweden, the Higher Education Ordinance states that to be eligible to get a position as a lecturer, a training program on teaching and learning in higher education is required, normally 10 weeks full time. This paper describes principles for making such a training program an enabling and driving force for the development of engineering education. The principles are:

1. the good-enough-teacher,
2. practice what you preach,
3. interplay of theory and application,
4. contextualisation,
5. built-in implementation,
6. openness,
7. finding 38,000 USD of development funding for each week,
8. stakeholder relations,
9. cost-effective teaching methods,
10. system alignment.

Active presentation techniques

The 10 principles are listed and participants vote for 3 principles they most want to discuss (5 minutes); the presenter introduces the first principle (2 minutes) + discussion (6 minutes); repeat for the two next most wanted principles.

Facilities/equipment required (tick all those appropriate)

Computer projector

One flip chart with pen, or whiteboard, or blackboard