

Call for Papers

TeachING-LearnING.EU Publication:

„TeachING-LearnING.EU discussions - Lehre in den Ingenieurwissenschaften weiter denken...“

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Subject focus

The main goals of engineering study courses are to educate students, to achieve employability and to develop autonomy and a sense of responsibility for society. In a fast changing world – particularly in technical fields – quick understanding, the abilities to solve both abstract and interdisciplinary tasks, as well as the ability to transfer knowledge of new developments are essential. These growing demands for engineers are taken up in the creation of modern degree courses. Conventional course formats are additionally enhanced by so called “Fachlabore” or practical projects.

In this publication your research- and working results, concepts, experience and opinions should inspire to and be part of a public and critical discussion on new teaching and learning formats in engineering education.

Your contributions to the following propositions are of particular interest:

- Which are current goals of engineering education?
- How can the change in engineering education succeed?
- Which determining factors promote and which suppress change processes?
- What’s the meaning of ‘competence orientation’ in engineering?
- Which student oriented teaching-learning and exam formats do you apply successfully?
- Which cooperative structures exist between universities and companies to improve engineering education?
- Which basic approaches exist to handle the special challenges of teaching and learning in lectures with high attendance?
- Which possibilities do digital media provide in teaching?
- How can teaching be put into operation in real, remote and virtual laboratories?
- What must be done by higher education policy to facilitate the ‘shift from teaching to learning’, which is postulated by educational research?

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Submission information

We ask you to follow the template guideline which can be found on www.teaching-learning.eu/fileadmin/documents/News/Template_TL_Publication.docx for formatting and references. Contributions can be submitted in German or English.

Scientific contribution

Scientific contributions should

- focus on the subject matter from a scientific view (engineering and/or higher education),
- contain innovative perspectives, arguments, problem analyses,
- bring about a gain of scientific knowledge,
- illustrate the used methods transparently and
- have a length of 8-10 pages (approx. 2400 characters per page without spaces).

Best Practice

Best Practice contributions should

- point out the implementation of teaching concepts and exams (if possible with appraisal criteria),
- describe experiences with evaluation of exams and appraisal connected with concrete courses,
- state the framework conditions under which the examples were created,
- offer possibilities for transfer and generalisation respectively and
- have a length of 6-8 pages (approx. 2400 characters per page without spaces).

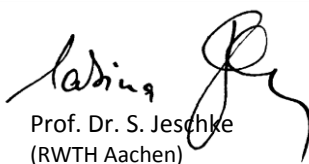
Essay

Essay contributions should be short and creative works in which a scientific, cultural or social issue in connection with the subject matter is pointed out. It could contain individual theses, interpretations, perspectives as well as approaches from the author's point of view. Despite this subjectivity the arguments have to be valid. They need to focus on a current issue and should have the aspiration to stimulate a professional discussion.

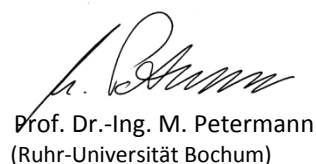
Essays can

- contain critical statements with regards to the subject,
- point out innovative perspectives, arguments, problem analyses,
- open up new possibilities for discussion further projects,
- describe new and creative reflection and
- have a length of 2-4 pages (approx. 2400 characters per page without spaces).

Submission deadline for full paper is **January 11th, 2013**. Please send it to: friese@teaching-learning.eu. We would be pleased to receive your submission.



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