

The International Journal of
**ENGINEERING
EDUCATION**

CALL FOR PAPERS

SPECIAL ISSUE ON

CURRENT TRENDS OF E-LEARNING IN ENGINEERING EDUCATION

Guest Editor

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Contributions are invited for a special issue of the International Journal of Engineering Education (IJEE) on Current Trends of E-learning in Engineering Education.

The impact of E-learning on engineering education has grown rapidly in recent decades. E-learning research in engineering education is interdisciplinary, in that it covers a wide range of topics. While some studies focus on the effects of information and communication technologies (ICT) on teaching and learning, others examine the socio-cultural implications. Building upon the two previous IJEE special issues on E-learning (emerging technologies and social networks), this special issue is intended to answer the following research questions, with a specific focus on the pedagogical and learning issues in engineering education:

- What are the effective pedagogical methods when using E-learning technologies?
- In what ways can E-learning technologies be used to facilitate student's learning process?
- How will student's learning outcomes be assessed in an E-learning context? Can those outcomes be validated? Are they reliable?
- What pedagogical theories and models are being used by curriculum development and instructional design teams?
- How do curriculum development and instructional design teams address the diversity of learning styles among students?
- How are different tools available within E-learning platforms being used to support learning?
- What are students' views and experiences of different E-learning platforms?
- What types of collaborative activities may occur and how may these be supported?
- What communication mechanisms are used to support E-learning courses?
- What types and levels of interaction do students have with their peers and tutors?

Example topics in the issue may include, but are not limited to:

- Integration of E-learning technologies into engineering curriculum
- Courseware development
- Computer-mediated Communication (CMC)
- Computer Supported Cooperative Work (CSCW)
- Learning Management Systems (LMS) implementation examples and issues
- Massive Open Online Course (MOOC) development and issues
- Blended (Hybrid) E-learning models
- Ubiquitous computing applications and issues
- E-learning evaluation and assessment
- E-learning 2.0 (Web 2.0 tools and services: blogs, Facebook, serious games, virtual worlds, wikis, etc.)
- Social and affective issues in E-learning contexts
- Virtual E-learning universities, classrooms, and laboratories

Important Deadlines

Extended abstract (around 2 pages)	September 30, 2013
Notification of reviewers' feedback	October 20, 2013
Submission of manuscripts	December 15, 2013
Notification of reviewers' feedback	January 30, 2014
Submission of final manuscripts	March 1, 2014

Submissions are to be sent by e-mail in MSWord to Prof. Wei-Fan Chen at weifan@psu.edu

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<http://www.ijee.ie/GuideForAuthorsNov09.html>

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