

**International Conference on Engineering Education  
ICEE-2014**

June 2-6, 2014, Riga, Latvia

**CALL FOR PAPERS FOR SPECIAL SESSION IN**

**Innovation Pedagogy & CDIO**

*Innovation Pedagogy* (<http://julkaisut.turkuamk.fi/isbn9789522164087.pdf>) is a learning approach developed by Turku University of Applied Sciences (TUAS; Finland) that defines in a new way how knowledge is assimilated, produced and used in a manner that can create innovations. It combines learning with Research, Development and Innovation activities and the working life in a cross-disciplinary and social learning environment, emphasizing flexible curricula, internationalization and entrepreneurship. The overall aim is to contribute to the development of students' innovation competencies in order to enable them to participate in the innovation processes of the working life. Innovation competencies refer to knowledge, skills and attitudes needed for successful innovations, and they can be developed in higher education via enabling new teaching and learning methods.

The *CDIO Initiative* (<http://www.cdio.org>) is an innovative educational framework for producing the next generation of engineers. The framework provides students with an education stressing engineering fundamentals set in the context of Conceiving — Designing — Implementing — Operating (CDIO) real-world systems and products. Throughout the world, numerous collaborators have adopted CDIO as the framework of their curricular planning and outcome-based assessment. The CDIO network therefore welcomes members in a diverse range of institutions ranging from research-led internationally acclaimed universities to local colleges dedicated to providing students with their initial grounding in engineering.

The *Innovation Pedagogy* approach combined with the CDIO principles provides a versatile set of tools to develop higher education learning environments, processes and concepts to meet the requirements and challenges of future professionals. The aim of this special session is to share these ideas and experiences between colleagues from all over the world, and to identify areas of future collaboration.

Contributions reporting advances, for example, in designing and implementing learning environments and courses supporting the development of the innovation competences of future engineers are invited to join this session. The papers can contain (but are not limited to) case studies in project-based courses, multidisciplinary learning environments and successful student-centric university-industry activities.

The session will start with a workshop introducing the Innovation Pedagogy approach. In addition, the utilization of the CDIO as an educational development framework will be presented. Thereafter, the papers selected to the session will be presented and discussed.

The session will conclude to an open roundtable discussion summarizing the contributions and defining joint collaboration initiatives.

This conference emphasizes development of international partnerships in education and research. Through special sessions and international workshops, it provides ample opportunity for discussing future cooperative projects. For more information on iNEER, one of the principal sponsors of the conferences, visit: <http://www.ineer.org>

### IMPORTANT DATES

Submission of abstracts:	January 17, 2014
Notification of abstract acceptance:	February 7, 2014
Submission of papers:	February 21, 2014
Notification of acceptance:	March 14, 2014
Final Paper to be received by:	March 28, 2014

Submitting Abstracts and Papers: Please submit abstracts and papers through the link for Special Sessions at the ICEE-ICIT 2014 web site:

<http://www.ineer2014.rtu.lv>

### Session Co-Chairs:

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