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CALL FOR PAPERS

SPECIAL ISSUE ON

Impact of collaboration between academia and industry on Engineering Education

Guest Editor

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Industrial innovation clearly benefits from research and development tasks accomplished in the departments and laboratories of all kinds of universities. In a similar way, state-of-the-art industrial limitations and problems are a continuous source of motivation and ideas for research activities, as well as for collaborative projects, carried out at universities. Hence, University-Industry collaborations have proved to be helpful for continuously enhancing the quality of commercial products, the efficiency of industrial processes and for improving the functionalities of novel devices.

At the same time such contact between University and Industry is greatly beneficial for the teaching-learning process in Higher Education. It helps to renew the syllabi and the topics covered so as to keep up with the pace of a changing industry and thus making students more prepared for their future tasks. In many cases these relations promote the direct employment of students, probably by means of an assessment of their capabilities during their Masters' degree projects or theses. Such collaborations seem to be especially adequate for technical universities, as their graduates typically end up working in all kinds of industries and industrial experience is an asset for securing the most demanding (and interesting) engineering jobs.

Therefore, it is important to methodically analyze the various aspects of the impact of University-Industry collaboration on the teaching-learning process, so as to promote its advantages, improve some the lacking aspects and mitigate the possible negative effects. This Special Issue aims to address teaching-learning experiences and to focus in depth on aspects such as:

- Methodologies for promoting collaboration between academia and the industrial world.
- Case studies linked to blended learning connecting University and Industry.
- Systematic student grants and collaborative activities for pre-graduate industrial training.
- Impact of spin-offs/start-ups on students' learning and incorporation to the working market.
- Participation of students in product/process innovation and technological transfer activities.
- Project based learning linked to research, development or innovation for Industry.

- Integral actuations linked to complete program implementation.
- Comparative performance of graduates from programs with/without industrial connection.
- Strategies for University–Industry collaboration and their economical viability.
- Aspects linked to teachers' professional development.
- Future directions and proposals for improvement.

Submissions are to be sent by e-mail in MSWord (.doc) to **Prof. Andrés Díaz Lantada: adiaz@etsii.upm.es**

Important Deadlines

Submission of extended abstract (around two pages):	June 30, 2012
Notification of reviewers' feedback:	July 15, 2012
Submission of manuscript:	October 30, 2012
Notification of reviewers' feedback:	November 30, 2012
Submission of final manuscript:	January 30, 2013

Manuscripts must be written in English and limited to 12 one-sided, one-column, single-spaced pages. Manuscripts should include keywords, complete affiliation of the authors and a short biography, and the citing and listing of references should be in the IJEE style. Figures and illustrations should be suitable for non-color printing.
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