

Special Session “Challenges in Engineering Education within Control Automation” within

8th International Symposium on Soft Computing for Industry (ISSCI)

This special session aims to open the discussion on challenges in Engineering Education with special scope in Control Automation by providing a forum for sharing approaches, developments and experiences at under and postgraduate levels.

The effectiveness of fundamental knowledge needs to guaranty simultaneously the spirit of engineering leadership in society and the lifelong learning capability.

The topics include (but are not limited to):

- Innovation and creativity in MSc and PhD degrees.
- Student projects *vs.* industrial solutions and collaborations.
- Integrating engineering with basic sciences.
- Multidisciplinary experiences in Control & Automation engineering
- Project based learning: Integrating undergraduate students working in research projects.
- Student development of Intelligent Actuation and Sensing.
- Mechatronics System for student training.
- Human-machine interaction in the training process.
- Haptic devices applications for training purposes.
- Mixed reality for training purposes in academia or in an industrial environment.
- Applications of distance/remote/virtual learning *vs.* industrial demands.
- New eLearning applications in academia and in industry.
- Teaching /learning *vs.* research.
- Emerging technologies in engineering education.

Extended submission deadline: Special Sessions & regular papers February 28th., 2010

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