Future of Information Society Technologies Education at EIT ICT Labs

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Abstract

EIT ICT Labs has strategic ambition to reform the European education content in IST. For these purposes we aim to equip students, researchers, and teachers with skills for creativity, risk taking and entrepreneurial capacity by catalyzing and renewing the key educational programs at master and PhD level. The guiding principles are (i) robust entrepreneurship education, (ii) broad stake-holder integration to educational programs, and (iii) hands-on experience on innovation and entrepreneurship. The aim is to breed entrepreneurial talent through broad educational activities.

A number of coherent and joint European wide catalysts will be deployed to existing and new local educational programs. Critical element of the execution of the program is the strong integration with co-location centre activities in innovation and research and using co-location centre for co-operation and crossover between various stakeholders in KIC. Our co-location centers are located in Berlin, Eindhoven, Helsinki, Paris, and Stockholm, with associate nodes in Budapest, London, and Trento. Hands-on experience is provided by extensive embedded project work, with external projects owners, and integrating innovation and entrepreneurship content to these projects in form of Business Development Lab execution.

EIT ICT Labs Master School has a comprehensive collection of M.Sc. programs covering the thematic and competence needs of EIT ICT Labs. It also includes development and maintenance of EIT ICT Labs defined Innovation and Entrepreneurship educational modules towards robust entrepreneurship education. The I&E module can be seen as a deeply embedded minor in engineering curricula, where the major comes from the technical focus of the master program. At this early stage, 6 such core master program has been identified and under joint development in partnership of 3-6 partner universities within EIT ICT Labs. These core M.Sc. programs provide the EIT specific diploma supplement to accompany the M.Sc. degree certificate granted by the host university, and forming the EIT labeled degree. Similarly, but formally simpler arrangements are provided for the Doctoral School as well as Doctoral Programs within EIT ICT Labs.