

ICE **Interactive and Cognitive Environments**

Duration: 3 years

Programme description:

The Joint Doctoral Programme in Interactive and Cognitive Environments offers PhD candidates an education programme in the field of research related to computer science, electronic and telecommunication engineering and industrial design. Candidates must hold a Master of Science (M.Sc.) degree or equivalent title and in-depth knowledge and understanding of the principles of ICT engineering.

ICE aims at developing and enhancing master students' knowledge and skills in order to shape a new generation of professionals able to exploit (and further enhance) cutting-edge ICT technologies to design and implement - in multi-disciplinary work teams - innovative solutions in the ever more pervasive fields of application.

The programme has three major focuses that will be iteratively pursued during the whole progress of the candidate's track. The first concerns the acquisition and the formalization of knowledge in specific advanced domains, achieved through lectures and seminars. The second aims at keeping PhD students in strict touch with leading research groups that have proven experiences in research activities in basic disciplines necessary for the PhD course in the five partner universities. The third involves actual industry/academy joint research activities on projects in cooperation with leading ICT companies, typically under international institutional umbrellas, such as the European Research Frameworks.

The programme lasts three years. During this period a mobility scheme ensures that students will spend training / research periods in at least two different higher education institutions.

The language of instruction is English. Local language learning and integration in the society will be promoted through ad-hoc courses and university staff support.

The ICE PhD Course will represent added value for PhD students from inside and outside Europe in several respects:

- ICE involves five top level universities and field-related research groups from 5 European countries;
- ICE awards joint/double degrees by university pairs, internally following the same educational organization framework and common macro-objectives, that will allow PhDs the highest possibility of adequate and recognized job placement, fully exploiting acquired and certified research attitudes and achievements in a strengthened European High Tech market;
- ICE provides an organized higher-education European network, associated with the ICE brand, for additional cultural offer, logistic facilities, direct interaction with European industries (SMEs and large European industries) under a joint transnational quality control committed to continuous improvement.

Website: <http://www.icephd.org>

Partners:

UNIVERSITY OF GENOA, Italy (Co-ordinating institution)
UNIVERSITY OF KLAGENFURT, Austria
QUEEN MARY UNIVERSITY OF LONDON, United Kingdom
TECHNICAL UNIVERISTY OF CATALONIA, Spain
EINDHOVEN UNIVERSITY OF TECHNOLOGY, Netherlands

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