

MASTER'S in "DIGITAL LIFE & SMART LIVING (SMART)"

3rd edition

For the academic year 2015/16, Scuola Superiore Sant'Anna is offering the 3rd edition of the International **Master program in "Digital Life & Smart Living (SMART)"**. Compared to previous editions, the Master has a different name but same target: to train young graduate talented students who will acquire a high level of expertise in designing, developing and managing the radical but sustainable transformations of processes and services through the use of ICT and, more generally, of innovative technologies, as a lever for change towards the provision of smart services.

The curriculum of the Master's covers:

Advanced technical knowledge: robotic technologies and bio-robotics, ICT and photonic technologies, perception technologies.

Analysis and design of value chains for new products and services that are fundamental for society: health, energy, monitoring, etc. (i.e. smart solutions).

The skills needed to lead a radical but sustainable transition to smart services by guiding society towards an intelligent ecosystem (i.e. smart communities).

The key strength of the course is the combination of technical disciplines with economics and management. This will enable students to acquire essential tools for managing and marketing innovative products and services with a high technological content.

MASTER'S PROGRAM

The course will be held at Scuola Superiore Sant'Anna in Pisa **from 7th September 2015 to 5th September 2016**. It will be full time, from Monday to Friday. All classes will be held in English. A total of 90 CFUs will be awarded for a total of **600 hours of lectures** during the first 6 months, plus **750 hours of internship**.

The first six months of training will be organized into five modules:

Vision: state-of-the-art and long-term perspectives for technologies, and socio-economic environment.

Context: a frame of reference for the subjects studied.

Technology: basic knowledge of enabling technologies.

Management: financial, management and marketing aspects of the provision of products or services.

Case studies: business testimonials or university experiences relating to the management of complex research projects.

In the second phase of the Master's, students will be offered the chance to take part in a 6-month internship at one of Telecom Italia's offices/research labs in Italy.

The internship will offer students the opportunity to integrate classroom training with significant hands-on experience.

This will enhance their training with the tools and skills that can then be immediately exploited in the labour market.

FELLOWSHIPS

There is no tuition fee. Telecom Italia is offering up to a maximum of **20 fellowships for the amount of 12,000 euro** to cover the costs of relocation and subsistence.

OBJECTIVES AND CAREER OPPORTUNITIES

At the end of the course students will have acquired team leadership skills, in particular the ability to manage complex projects, such as the implementation of new telecommunications services or network products as well

as new robotic solutions for use in the field of social and health protection, at home, or in working environments. There are excellent perspectives for employment and careers with landline or mobile telecom operators, multinationals manufacturing ICT solutions, or SMEs connected to the world of telecommunications that sell value-added ICT services.

THE ACADEMIC PARTNER

Scuola Superiore Sant'Anna of Pisa (Italy) is a public university with a special statute. The School conducts research and high-level training, with particular reference to undergraduate, post-graduate and continuing education. Through an interdisciplinary and applied approach, Scuola Superiore Sant'Anna offers various Master's degrees. The target is to increase participants' knowledge and skills in innovative sectors of particular strategic importance in the worlds of production and industry.



PARTNERSHIP WITH TELECOM ITALIA

The Master's in "Digital Life & Smart Living (SMART)" is jointly organized by the Institute of Communication, Information and Perception Technologies (TeCIP), by The BioRobotics Institute, and by the Institute of Management of Scuola Superiore Sant'Anna. The Master is one of the results of a consolidated partnership between Telecom Italia and Scuola Superiore Sant'Anna. This partnership is transforming relations between industry and the worlds of research and university teaching, by promoting the transfer of academic

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knowledge for practical use in industry.

The SMART Master's thus joins other research projects related to developing the local area, setting up paths of high-level training, and creating the "Joint Open Lab".

The aim of this lab is to create a new model of the relationship between university and industry, where research and academic knowledge are combined with industrial know-how and experience for maximum synergy.

HOW TO PARTICIPATE

The Master's is open to a **minimum of 15 and a maximum of 20 participants**. Applicants to the Master must be European citizens (EU 28) and two positions are reserved for non-European citizens.

In addition applicants shall have a Master of Science University degree (Italian "Laurea Magistrale" or "Laurea vecchio ordinamento") or an equivalent qualification in Industrial or Information Engineering. Other University degree qualifications could be accepted under the Scientific Committee assessment in charge of evaluating the relevance of the degree and profile of the candidate with the Master scope.

Candidates should have an advanced knowledge English proven by a relevant certificate (TOEFL, IELTS, Cambridge, Medium of Instruction, or equivalent).

Those who expect to have completed a Master's of Science degree by 25 July 2015 may also apply for admission to the Master's. Applications must be received by **July 2nd 2015 at 11pm** (GMT).

The application form is available at www.sssup.it/smart

INFORMATION

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IT IS MORE THAN A MASTER'S DEGREE.

IT IS YOUR FUTURE.

It is a fact: 80% of participants to the first edition have been employed by TIM, a unique brand in the digital field, at home, in your office and on your mobile.

The Master's in Digital Life & Smart Living (SMART)" grants students a monthly scholarship for a year.

It trains students for a potential hiring in one of the most innovative new-technology multinationals in the world.

A second-level master degree of absolute

excellence, answering the strong demand for high-level training in the field of industrial and information engineering. It focuses on the design of innovative technology and on the creation of smart services. A unique partnership between TIM-Telecom Italia and Scuola Superiore Sant'Anna in Pisa.

A highly selected group of 20 talents, chosen for their merits.

If you think you can be one of them, this is your chance now.

Apply online before July 2nd 2015 on www.sssup.it/smart