

Innovation for Smart City Projects

1st Edition

Codi: 173007

Tipologia: Specialist Diploma (postgraduate)

Crèdits: 15.00

Idioma: English

Data d'inici: 31/01/2018

Data darrera sessió presencial: 03/02/2018

Data de finalització: 07/09/2018

Horari: Wednesday and Thursday from 18.00 to 21.00 h, Friday from 17.00 to 21.00 h and Saturday from 9.00 to 14.00 h

Lloc de realització: Polytechnic School of the University of Girona and Science and Technology Park of the University of Girona

Places: 60

Preus i descomptes

Preu: 2.990 €

Sessions Informatives

	Data	Hora	Lloc
Sessió informativa 1	21/09/2017	18:00	Science and Technology Park University of Girona (Building Giroempren, Classroom 4-5)

See the Master's website (click [here](#))

Presentació

This diploma only includes the city project and the prior preparation workshop week. It's designed for professionals with the aim of broadening their experience in different cities around the world.

Objectius

To train professionals to lead cross-disciplinary teams for Smart City projects anywhere in the world.

To offer university graduates specific training in information technologies, city planning and socioeconomics in order to deal with present-day challenges in modern cities.

Diploma in Innovation for Smart City Projects it's part of the Master's degree in Smart Cities. During the master's degree the students complete an on-site practicum in different cities around the world where they develop real smart city projects working alongside city public authorities. Students who complete the programme will be qualified to work in the new and promising profession of smart urban technologist, an advantageous position from which to enter the incipient market for smart city solutions and consulting, as well as to deepen their knowledge in research careers.

Sortides professionals

Due to the length and credit value of the two diplomas, they are geared more towards working professionals who wish to complete the master's degree in the near future but on a progressive basis (diploma modules count towards the full master's degree; courses completed as part of either of the two diplomas will automatically be validated on enrolling on the full master's degree in the future):

Good professional opportunities for:

- Professional consultancy and entrepreneurship.
- Public administration.
- Technology and research centres.
- R&D departments in small and medium-sized enterprises, as well as in large companies.
- Technology-based departments in engineering firms and companies dedicated to innovation and the implementation of technological solutions.

A qui s' adreça

Anyone interested in Smart Cities. We understand that the Smart City concept is broad, ranging from more tech-oriented profiles to more social or economic ones.

Requisits d'admissió

There is no specific requirement for candidates.

Pla d'estudis

City project

The city project is a supervised practicum integrated in the structure of the master's degree. It's completed in the second half of the programme. The city project consists of a training activity in which students apply the knowledge acquired in the first five unit blocks in order to find solutions to the real needs of real cities. The practical part of the city project lasts three months. Supervised by their degree tutors and tutors of their chosen cities, students work both on-site and online with their projects (two visits to the city during the three-month period: one at the kick-off and one halfway through the period). To complete the project, students must submit a project report and make an oral presentation of the results obtained.

Results workshop

In this week-long workshop the students present their city projects and master's degree final projects. The presentation of the city projects is carried out in open format and representatives of the cities, other public authorities, companies, students and lecturers are invited to attend. It is a promotional event both for our students and for our studio. The master's degree final projects are presented in the second half of the week in a private and more academic format.

Titulació

Diploma in Innovation for Smart City Projects of the University of Girona*

* Does not include shipping rates of qualification document.

Metodologia

The activity is structured into two main blocks of units in which the students' working procedures involve case studies and practical examples through theoretical and practical sessions, lectures, seminars and debates.

Sistema avaluació

The city project both require a written report and an oral presentation. The final grade is calculated on the basis of the assessment of the written report, the presentation and the assessment reports submitted by the city project tutors.

Finançament

Bank financing

Enrolled students can pay in installments.*

The Fundació has agreements in place offering preferential terms for their students with the following entities:

- [Sabadell Consumer](#)
- [CaixaBank](#)
- [Banco Santander](#)

* Only applicable to persons resident in Spain and upon acceptance by the bank.

Quadre docent

Direcció

Dr. Josep Lluís de la Rosa

Has been a full professor at the University of Girona (UdG) Spain since 2010 and previously at the Rensselaer Polytechnic Institute (RPI), New York, USA (2008-2010). Director of the EASY Research Centre and of the Master's Degree in Smart Cities of the UdG. He holds an MBA from the UdG and a PhD in Computer Science from the Autonomous University of Barcelona (UAB). De la Rosa is an expert in intelligent agents, social networks, virtual currencies and digital preservation and their application to the market. He has contributed more than 200 international publications and has supervised more than 20 PhD theses. He's a researcher with entrepreneurial vision who has created several spin-off companies, starting with the world's first robotic soccer team as far back as 1996. His research into complementary and virtual currencies started in 2006 and he soon became fascinated by the disruption of the Blockchain and SmartContracts technologies and their advantages. Since then, he has been working on this theme in order to design new types of money suitable for the Internet in particular, as well as in many other applications.

Coordinació

Dr. Andrés El- Fakdi

Is an assistant lecturer and researcher in the Department of Electrical Engineering, Electronics and Automation of the University of Girona. He's the Laboratory director and promoter of the EASY Centre research group. He's also a member of the coordination team of the Master's Degree in Smart Cities of the University of Girona. He holds a Degree in Electrical Engineering from the University of Girona and a PhD in computer science from the same university. His research interests are focused on contributing to the development of machine learning techniques for Decision Support Systems (DSS) in order to increase productivity and effectiveness in complex scenarios. His PhD research focused on the study and development of machine learning techniques and its application to robotics. This research successfully concluded with the use of learning algorithms to overcome non-programmed changes in the environmental conditions that lead an autonomous robot to fulfil a particular task. Meanwhile, his post-doctoral research focuses on the study of Big/Open Data applications and on the design and development of similar machine learning solutions for knowledge discovery.

Professorat

*La direcció es reservarà el dret a fer canvis en l'equip docent en cas que algun dels professors no pugui impartir la seva matèria, garantint el mateix nivell de qualitat i categoria professional.

Entitats promotores

Fundació UdG: Innovació i Formació



Tecnio Centre EASY



