

Expression of Interest



Contact Person/Scientist in Charge

- **Name and surname:** Joaquin Huerta
- **Email:** sven.casteleyn@uji.es

Universitat Jaume I de Castellón (UJI)

Department / Institute / Centre

- **Name:** Institute of New Imaging Technologies – INIT // Geospatial Technologies research group - GEOTEC / Universitat Jaume I de Castellón (UJI)
- **Address:** Av. de Vicent Sos Baynat, s/n 12006
- **Province:** Castellón

Research Area

- Information Science and Engineering (ENG)

Brief description of the institution:

Universitat Jaume I de Castellón (UJI), is the public university in the north of the Valencian Community, created on 1991. It has obtained the 500+ Golden Seal of European Excellence by the Excellence in Management Club.

The UJI offers 31 undergraduate degrees, 19 postgraduate studies, 43 official postgraduate master's degrees, 15 UJI-specific master's degrees and has 14,000 students. It counts on about 1000 researchers distributed in 27 university departments and 12 research institutes.

The UJI is the third University and fifth entity of the Valencian Community, including companies and other research institutes, which have obtained more money from the European Research and Innovation Framework Programmes. Currently it is involved in 26 ongoing European research actions, including several European programmes (such as H2020, FP7, Interreg, SUDOE, LIFE, etc.).

The UJI offers modern research facilities among which stand out the different scientific structures that support research, such as the Central Scientific Instrumentation Service, the Animal Experimentation Service (SEA) or its prestigious Library.

A specific program for newcomers helps researchers with the administrative procedures in order to become familiar with the facilities and standard practices, as well as an accurate integration. Moreover researchers can access additional services such as Sports Service, The University Residence, the Language Learning Centre (CAL) that offers an annual program of languages for foreigner researchers and the health centre available to the University community.

Brief description of the Centre/Research Group (including URL if applicable):

The Geospatial Technologies Research Group (GEOTEC) is part of the Institute of New Imaging Technologies (INIT) of UJI.

The GEOTEC research group focuses on novel uses of geospatial technologies to varied application domains. Its main research interests are integrated intelligent systems and spatial data infrastructures, where the main research lines are: sensor networks, sensor and geo-spatial data integration and visualisation, distributed processing, smart mobile and web-based applications, participatory sensing and crowd-sourcing approaches, and smart cities. GEOTEC is an active participant in international organisations and standardisation processes in the Open Geospatial Consortium and in consultation groups for European initiatives such as INSPIRE and GMES/COPERNICUS. The group has experience in related EU projects such as ACE-GIS (FP6 ICT), AWARE (FP6 GMES), eSDI-Net+ (FP6 eContent Plus), EuroGEOSS (FP7 ENV), CityBench (EU ESPON) or ERMES (FP7 SPACE), as well as other European funded research related to education GI-N2K (Lifelong Learning) or ENable (Erasmus+).

GEOTEC also has previous experience with Marie Curie IEF fellows (FP7), and is one of the initiators and driving forces of the Master Erasmus Mundus in Geospatial Technologies (2007-2011 and 2012-2018; <http://mastergeotech.info>), and of the recent European Joint Doctorate GEO-C “Enabling open cities” (<http://geo-c.eu>), funded by EU Marie Curie International Training Networks (ITN).

For more information please visit our website www.geotec.uji.es

Project description:

GEOTEC is interested in Marie Skodowska-Curie fellows pursuing research in sensor networks, sensor and geo-spatial data integration and visualisation, smart mobile and web-based applications, participatory sensing and crowd-sourcing approaches, and smart cities. We are particularly interested in research in smart and open cities, but we also welcome research in the aforementioned topics applied to other areas.

In recent years, the term "smart cities" has been coined for initiatives that monitor and analyse different aspects of urban life, and manage service provision intelligently. GEOTEC performs research in methods and tools to enable smart and open cities, in which all groups of society can participate on all levels and benefit in many ways. In particular, GEOTEC embraces the following research lines in the context of Smart and Open Cities: participatory sensing and citizen participation; green living; multi-scale, multidimensional urban information integration; information integration and visualisation; social network analysis for smart cities; context- and situational-awareness.

"Smart cities" can have a significant impact on making cities in Europe and elsewhere more liveable places. As a founding partner of the Geo-C European Joint Doctorate funded under the EU Marie Curie International Training Networks (ITN) programme, joining 3 universities working to advance the state of the art on smart cities, and with over 15 senior researchers and 15 Phd students, GEOTEC provides an excellent international working environment for Smart City research.

Interested candidates are expected to present an excellent research proposal, which will receive GEOTEC's support if it fits in our research lines.

Applications

Researchers shall be in possession of:

- Doctoral degree or have at least four years of full-time equivalent research experience.
- Must not have resided or carried out their main activities in the country of Spain for more than 12 months in the 3 years immediately prior to the abovementioned deadline.
- Excellent command of English.
- Knowledge of the Spanish language is an advantage but not compulsory.
- CVs
- Recommendation letters will be highly appreciated.

Deadline: 30/06/2016