

Job offer for a PhD student at CiTIUS

The Computer Graphics and Data Engineering research group (COGRADE), of the Research Centre on Intelligent Technologies (CITIUS)¹ of the University of Santiago de Compostela, is interested in incorporating a researcher to the work team of the MAGISTELA national project². The research work developed during the term of the contract will be aimed at developing a doctoral thesis in the field of SmartCities.

Description and Research Objectives

The research development will focus primarily on the efficient implementation of interactive data exploration, and intelligent analysis (ML) techniques over large volumes of data (Big Data) of geospatial nature, and their application to solve research challenges arising from the project MAGISTELA: *Large-scale geoprocessing for exploratory and learning-based data analysis*. If the candidate does not still have a master's degree, he/she will commit to enroll in a master's degree in computing (target subjects: High Performance Computing, Big Data, Statistics, or similar), with the aim of obtaining the degree in a maximum of two years, and being able to complete his/her doctoral thesis at the end of the third year.

¹ <http://citi.usc.es>

² <https://citi.usc.es/investigacion/proyectos/listado/xeoprocesamiento-gran-escala-analise-exploratorio-baseado-aprendizaxe>

Qualifications and Skills

From the social competences point of view, we are looking for a **proactive person**, with a high capacity for analysis and problem solving, with the **ability to work inside a competitive team** and with good communicative skills, both oral and written, as well as with a **medium-high level of English** (to be able to attend courses, present results and carry out international stays).

From the technical point of view, technical knowledge of algorithms and data structures, statistics and machine learning will be valued in a very positive way (but it will not be a requirement).

Having a good academic record that enables application for pre-doctoral research grants, both regional (Galicia) and national (FPU), will be very positively valued too.

Conditions

We offer a **full-time 1-year contract, extendable**, with a salary of **€ 1,575.02 gross per month (14 payments)**, with an **expected starting date** about **September 1-15, 2021**, after a public selection process.

The researcher will have an ordinary working day of 35 hours per week, and a summer working day (June, July and August) of 30 hours. The job will facilitate family conciliation and the researcher will have 10 days of his own affairs in addition to his ordinary vacations.

Additional Information

The application process will be open in early August. For more information, please contact to:

- José R. Ríos, Director of the USC research project, MAGISTELA.
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- José Manuel Cotos, Director of COGRADE research group.
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