

TWO PREDOCTORAL CONTRACTS OF THE SPANISH MINISTRY OF ECONOMY AND COMPETITIVENESS FOR DOCTORAL TRAINING

Lines of Research Group:

The project is developed in the context of a research group with a long history and experience. It currently resides in the Spanish universities:

Valladolid (GIR SINGACOM, www.singacom.uva.es/) and

Jaume I at Castellón (TASC Group, <http://www.imac.uji.es/groups/topological.php>).

The main research lines are Singularity Theory, Information Theory and algebraic and combinatorial methods in Algebraic Geometry. In Spain, the group collaborates with research groups from the Universities of Extremadura, Cádiz, Sevilla, Complutense at Madrid, Zaragoza, Valencia and Barcelona, and maintains fluid contacts with leading international groups. This guarantees the internationalization and the highest level in the research topics.

Research description.

The aim is to initiate and develop a research project to be completed with the presentation by the candidate of his/her PhD thesis within any of the lines described. Preferably, but not limited to, one of the contracts will focus on issues related to singularities and the other one to combinatorics and coding techniques. This could be adaptable, as far as possible, to the candidate profile.

Profile of candidates:

In addition to the requirements of the call, training in algebraic, geometric and combinatorial methods will be assessed. The expected profile of the candidates corresponds a student who is taking (or has recently completed) a master with a clear interest in research in mathematics.

Where the beneficiaries will work:

Castellón (Spain). Research Project MTM2015-65764-C3-2-P. Research Group "TASC". IMAC (Institute of Mathematics and Applications of Castellón), University Jaume I. (**1 scholarship**).

Valladolid (Spain). Research Project MTM2015-65764-C3-1-P. Research Group "SINGACOM". IMUVA (Mathematics Research Institute at the University of Valladolid). (**1 scholarship**).

Contact:

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We encourage all interested candidates to send any of the contacts related an email expressing his/her interest and attaching a CV (required) as well as any other reference deemed appropriate.

The purpose of this announcement is merely to establish a first contact with the interested candidates and disseminate the scholarship information.

In any case, **candidates must submit their formal application at the time of the announcement of the Ministry of Economy and Competitiveness, <http://www.idi.mineco.gob.es/>**, by the

means specified in the previous link and providing the required documentation. Notice that an informal acquaintance by addressing a contact person does not exempt from filling in the formal application nor prejudice the final selection outcome which will follow the rigorous official standards.

Deadline: June 3rd, 2016.