



**Signal Processing Group**  
**Department of Signal Theory & Communications**  
*Universidad Carlos III de Madrid (Spain)*

The Signal Processing Group (SPG) of Universidad Carlos III opens two pre-doctoral positions for research in one or more of the following areas

- sensor networks,
- compressed sensing,
- localization and tracking,
- Monte Carlo statistical methods,
- distributed inference and
- machine learning.

SPG is a dynamic team conducting both pre-competitive and applied research in the fields of signal and image detection and classification, machine learning, Monte Carlo methods and information theory, with financial support both from public administrations (Spanish and European) and the industry.

The Department of Signal Theory & Communications is integrated into the Polytechnic School of Universidad Carlos III ([www.uc3m.es/uc3m/eng/index-eng.html](http://www.uc3m.es/uc3m/eng/index-eng.html)), where several Engineering degrees are imparted, and located in Leganés, a lively town 15 kms away from the center of Madrid and well communicated by public transport (train, subway and bus).

**Pre-doctoral positions:** Potential candidates should hold an Engineering, Mathematics, Physics or related degree. Successful applicants are expected to enroll the Department's Master and Ph. D. Program on Multimedia & Communications:

[http://www.uc3m.es/portal/page/portal/postgrado\\_mast\\_doct/masters/interuniver\\_multmed\\_comunica](http://www.uc3m.es/portal/page/portal/postgrado_mast_doct/masters/interuniver_multmed_comunica)

Working languages are English and Spanish, *but most courses are taught in Spanish*. Initial salary around 1,300 euros/month, and increasing yearly through a 4-year period depending on the student's progress and involvement in research projects.

**Deadline:** This is an open call. Applications can be submitted at any time and starting dates for the fellowships/contracts can be negotiated.

**Potential candidates are encouraged to contact:**

Dr. Joaquín Míguez,  
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