Signal Processing & Learning Lab
Department of Signal Theory & Communications
Universidad Carlos III de Madrid

The SPLL is a dynamic team conducting both fundamental and applied research in the fields of statistical signal processing, computational statistics, machine learning and information theory, with financial support both from public administrations (Spanish and international) and the industry.

The Department of Signal Theory & Communications is integrated into the Polytechnic School of Universidad Carlos III, 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, underground and bus).

Position: We invite applications for two post-doctoral positions to carry out research in sequential Monte Carlo methodologies for tracking of high dimensional dynamical systems. This includes both theoretical research and applied work related the tracking of space debris and the forecasting of extreme meteorological phenomena.

We offer a 1-year contract, which can be extended for an additional year. The salary can be negotiated and will depend on the candidate qualifications and experience.

The grant supporting this position is funded by the Office of Naval Research (ONR) Global.

Requirements: A Ph.D. in Mathematics, Statistics, Electrical/Telecommunications Engineering or a closely related field.

Job activity: The tasks of the successful candidate will involve the analysis, design and evaluation of sequential Monte Carlo algorithms, as well as collaboration in the development of demonstrators. Working language is English.

Deadline: This call will remain open until the positions are filled. Therefore, there is no strict deadline and the appointments can be made at any time. However, we aim at incorporating successful candidates by January 15, 2017, or as soon as possible thereafter.

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Please, send a recent CV with details about education background, research interests and publications.