Announcement:

One-year postdoc position in the group "Mathematics and Quantum Information", led by David Pérez-García, in Madrid, Spain.

Candidates must already have a PhD in mathematics or physics.

It is recommendable (but not necessary) to have some expertise in one of the following fields: non-commutative analysis (harmonic, operator spaces, C*-algebras,…), quantum information, stochastic processes or complexity theory.

About the position:

- One year (with the possibility of a second year if the evaluation for the first year is good enough).
- Financed (and evaluated) by I-MATH project
- Starting as soon as possible.
- Salary: depending on CV, up to 33000 euro.
- Own money for travelling.

About the group:

The group, being formed by mathematicians, concentrates in problems of QI of fundamental nature in which mathematics play a prominent role.

Two of the main lines in the group are:

- Tensor network states: as a model to simulate and understand the behavior of quantum many body systems in one and two spatial dimensions.
- Bell inequalities and related problems: communication complexity, estimations for the Hilbert space dimension, …

About the city

Madrid is one of the most exciting cities in the world and it is really impossible not to enjoy the stay. As a place for research in QI it has many interesting people in different research groups to interact with (M.A. Martin-Delgado, J.J. Garcia-Ripoll, J. Leon or D. Porras, …).

Contact person:

David Pérez-García
Email: dperez@mat.ucm.es
Web:
http://www.mat.ucm.es/deptos/am/DavidPerez/homepage%20ucm_archivos/homepage%20ucm.htm
Departamento de Análisis Matemático
Universidad Complutense de Madrid
28040 Madrid
Spain