

From: Anxo Sánchez <anxo@math.uc3m.es>
Subject: **Postdoc position in Madrid**
Date: 21 January 2011 10:19:23 EST
To: Anxo Sánchez <anxo@math.uc3m.es>

Please circulate. Apologies for multiple postings.

**Applications are invited for a postdoc in the Madrid groups involved in the RESINEE project.
The post is available from 1 April 2011 to 31 March 2012 (dates are flexible though).**

Position description:

The position will be held at the Grupo Interdisciplinar de Sistemas Complejos (GISC, Interdisciplinary Group for Complex Systems), where a very active area of research is the application of the ideas and techniques of statistical physics to biological and social systems and to questions in economics.

The position will be funded through the RESINEE project, awarded within the Complexity-NET call, and involves using such a complex systems approach to study the resilience of networked systems in economics and ecology, and is part of an international collaboration with partners in Spain, The Netherlands and in the UK (see list [here](#)).

In addition to carrying out the research project described briefly above, you will be expected to write papers and give presentations at conferences and, as a member of GISC, to interact with postgraduate students and other researchers of the group. You will also participate in the activities of the research group via meetings and seminars. You will be expected to visit the RESINEE partners in order to contribute to the success of the interdisciplinary project as a whole.

Salary: 27 000 €/year

Person Specification:

You should have proven research ability in theoretical physics, applied mathematics, economics or ecology. In particular, you should possess, or will shortly obtain, a PhD in any of those areas. You should be able to work well both independently and in collaboration with others. You should also have good written and oral communication skills, and a publication record in an area relevant to the project, and appropriate to their experience.

Essential Knowledge, Skills and Experience:

- ☛ Have or be about to obtain a PhD or equivalent in the areas mentioned above.
- ☛ Experience in research as evidenced by an appropriate publication record.
- ☛ Experience in analytical calculations and numerical simulations.
- ☛ High-level programming skills, familiarity with computer modelling, up-to-date computer packages and general computer literacy.
- ☛ The ability to work in a team as well as independently, willingness to spend time at the international partner nodes.
- ☛ Good verbal and written communication skills.

Desirable Knowledge, Skills and Experience:

- ☛ Experience in modelling individual-based systems and/or evolutionary dynamics.
- ☛ Experience in interdisciplinary research.
- ☛ Experience in the theory of complex systems.

To apply:

Please submit a resume, publications list and a cover letter outlining current research interests by e-mail to Prof. Anxo Sanchez (anxo@math.uc3m.es). Further information can also be requested from this e-address, and informal requests will also be responded.

Closing date: Applications will be considered from now on until the position is filled.

Further information:

Further information on the GISC can be found at: <http://www.gisc.es>

Further information on the Universidad Carlos III de Madrid can be found at:
<http://www.uc3m.es>