



## Centro de Ciências do Mar

### Advertisement

### Ref.<sup>a</sup>: CCMAR/BPD/0022/2005

The Centre for Marine Sciences of Algarve (CCMAR), group of Biophysics, opens a position for a postdoc to work on “Breathers and High Tc Superconductivity” within the Project “Nonlinear waves in discrete, periodic and quasiperiodic systems” (ref: POCI/FIS/56237/2004).

Description: Investigate, by computer simulations, the stability of electron pairs in linear lattices with an extrinsic nonlinearity, i.e. the Holstein-Hubbard model, as well as intrinsically nonlinear lattices, where breathers can arise.

Evaluation criteria: Experience in programming and in the numerical simulation of nonlinear classical and quantum systems.

Conditions: The postdoc is for one year and is subject to the regulations of CCMAR (see [http://www.ualg.pt/ccmar/regulamento\\_de\\_bolsas\\_do\\_ccmar.htm](http://www.ualg.pt/ccmar/regulamento_de_bolsas_do_ccmar.htm)). The salary is €1495 per month.

Deadline for application: The position is available immediately and remains open until the 30th of November or until it is filled, whichever is the longest.

Applications should include full CV, including education, grades, experience and list of publications.

Applications should be sent to: Ref: CCMAR/BPD/0022/2005, a/c Leonor Cruzeiro, FCT, Universidade do Algarve, Campus de Gambelas, 8005-139 Faro or by e-mail to [lhansson@ualg.pt](mailto:lhansson@ualg.pt).

Communication of results: Results of the selection of applications sent by the 30<sup>th</sup> of November will be communicated up to the 21<sup>st</sup> of December, 2005, by email.

Selection Committee: Leonor Cruzeiro, Vladimir Konotop and Chris Eilbeck.