

**Job/Fellowship Reference:** C2008-UL-CMAF-3

**Main research field:** Mathematics

**Sub research field:** Applied Mathematics/ Mathematical Analysis

**Job summary:**

The Centre for Mathematics and Fundamental Applications (CMAF) at the University of Lisbon invites applications for one 5-year research position in Hyperbolic Quasilinear Systems (Theory and Numeric).

The successful applicant is expected to collaborate with the local team. Although there are no teaching duties associated with this position, the candidate may be asked to collaborate in post-graduate training.

**Job description:**

**Universidade de Lisboa | University of Lisbon**

Applied Mathematics/ Mathematical Analysis

The Centre for Mathematics and Fundamental Applications (CMAF) at the University of Lisbon invites applications for a 5-year research position in Hyperbolic Quasilinear Systems (Theory and Numeric).

In particular it will be important to have experience in the numerical approximation of the solutions of wave problems (linear and nonlinear) namely in the case of the equations of the general relativity.

The centre is located at the Interdisciplinary Complex (<http://www.ciul.ul.pt>) that combines basic research in mathematics and physics with a strategy to apply quantitative approaches to other disciplines.

The post holder will join an existing team working in Hyperbolic Systems and Singularities in PDEs (<http://cmf.ptmat.fc.ul.pt/membros/group-2.html>) and will be encouraged to initiate his/her own projects.

The position holder will have the opportunity to develop his/her own projects and interact with a wider range of interdisciplinary subjects. He/she may be asked to collaborate in post-graduate training.

Applicants must hold a PhD in Mathematics together with a strong research program. At least three years of post-doctoral research experience would be desirable.

The selection of candidates will take place by early October. The report of the jury and the documents concerning the selected candidate will then be submitted to Fundação para a Ciência e a Tecnologia for final approval of the contract.

The position is sponsored by the Ministry of Science of Portugal under the doctoral job offers program "Ciência 2008".

To apply, please send a cover letter, CV, research plan and three letters of recommendation to: [cmf@ptmat.fc.ul.pt](mailto:cmf@ptmat.fc.ul.pt)

For more information about Centro de Matemática e Aplicações Fundamentais visit <http://cmf.ptmat.fc.ul.pt/>

Please refer to job reference in all application materials.

Application deadline: 10 September 2008

5-year position, base salary: 43k€ (annual)

Candidates should have a minimum of 3 years postdoctoral research experience. In exceptional cases, duly justified, FCT may consider accepting applicants with less than 3 years of post-doctoral experience. The jury reserves the right not to fulfil the posts in the absence of qualified applications.

Please note: The funding for this call and the final appointment of these positions are dependent on the approval from Fundação para a Ciência e a Tecnologia of the pre-selected candidates proposed by the University of Lisbon.

For more job opportunities in the University of Lisbon, please consult **CIÊNCIA 2008/PostDoctoral positions** [www.ul.pt](http://www.ul.pt)