

English version

THE RESEARCHER'S MOBILITY PORTAL • PORTUGAL




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Post Research Opportunities

Chave do anúncio (para as Bolsas de Integração na Investigação)

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English

1. Descrição do cargo/posição/bolsa

1. Job description

Job:

Post-Doc Fellowship

Job/Fellowship Reference: ISFL-1-143/BPD/2009**Main research field:** Mathematics**Sub research field:****Job summary:**

A call for applications is open by the Centro de Álgebra da Universidade de Lisboa (<http://caul.cii.fc.ul.pt/>) to award a Post-Doctoral Grant in the scope of the Research Unit (IFSL-1-143), funded by the Portuguese Foundation for Science and Technology (FCT). The position is for 6 months, starting in July 1, 2009. The grant aims at extending the GAP database of Lie algebras, by designing and implementing methods for constructing new isomorphism classes. The implementations will be written in a computational algebra system, such as GAP or Magma. Candidates are invited to submit applications from 18.05.2009 until 29.05.2009.

Job description:

A call for applications is open by the Centro de Álgebra da Universidade de Lisboa (<http://caul.cii.fc.ul.pt/>) to award a Post-Doctoral Grant in the scope of the Research Unit (IFSL-1-143), funded by the Portuguese Foundation for Science and Technology (FCT), in the following conditions:

1. Duration

The position is for 6 months, starting in July 1, 2009.

2. Research Topics

- Computational Theory of Lie and associative algebras
- The classification of small-dimensional Lie algebras
- Developing implementations in computational algebra systems such as GAP or Magma

3. Objectives

The grant aims at extending the GAP database of Lie algebras, by designing and implementing methods for constructing new isomorphism classes. The implementations will be written in a computational algebra system, such as GAP or Magma.

4. Selection Criteria

Essential

- A PhD in Mathematics;
- Proven research experience in the theory of Lie and associative algebras, and computational algebra;
- Experience in writing implementations in a computational algebra system, preferably in GAP or Magma;
- Planning and organizational skills;
- Proven ability to write reports and high quality publications;
- Fluency in written and spoken English;
- Experience in working within a team setting, preferably involving an interdisciplinary team;
- Enthusiasm for seeing theoretical results realized in software.

5. Grant

According to the Regulations for Advanced Training and Qualification of Human Resources of the University of Lisbon and of FCT it will be paid a tax-free amount of 1.495 euros per month (<http://www.fct.mctes.pt/pt/apoios/bolsas/valores/>). The Post-doc will have the Fellow Statute (Law 40/2004) and will benefit from its rights (social security and personal accident insurance).

6. Application procedure

The applications must include a covering letter, an outline of future research plans, a detailed CV including a list of publications and indicate the names and the contacts of two referees. All correspondence should be sent to:

Patrícia Paraiba
CAUL, Av. Prof. Gama Pinto, 2, 1649-003 Lisboa, Portugal
E-mail: patricia@cii.fc.ul.pt

7. Call for Applications

Candidates are invited to submit applications from 18.05.2009 until 29.05.2009.

Vacant posts: 1

Type of contract: Temporary

Job country: Portugal

Job city: Lisboa

Job company/institute: Centro de Álgebra da Universidade de Lisboa

Application deadline: 29 Maio 2009

(The Application's deadline must be confirmed on the Job Description)

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2. Dados de contactos da organização

2. Organization contact data

Organization/institute: Universidade de Lisboa - Centro de Álgebra

Address:

Av. Prof. Gama Pinto, 2
Lisboa - 1649-003 Lisboa
Portugal

Email: caul@cii.fc.ul.pt

Website: <http://caul.cii.fc.ul.pt/>

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3. Habilitações académicas

3. Required education Level

Degree: PhD

Degree field: Mathematics

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4. Línguas exigidas

4. Required languages

Language: English

Priority: High

Reading: Excelent

Writing: Excelent

Comprehension: Excelent

Conversation: Excelent

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5. Experiência exigida em investigação

5. Required research experience

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