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Unique identifier: 0399d14d-23bc-4847-a629-83f665a55545

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##### 1. Descrição do cargo/posição/bolsa 1. Job description

##### Cargo/posição/bolsa:

Bolsa Investigação - BPD

**Referência:** Project EmergIMG - Emerging Image Modalities Representation and Compression PTDC/EEI-PRO/2849/2014

**Área científica genérica:** Engineering

**Área científica específica:** Electronic engineering

##### Resumo do anúncio:

A research position for one Bolsa de Pós-Doutoramento (1 BPD) is opened at Instituto de Telecomunicações supported by the Fundação para a Ciência e a Tecnologia in the scope of EmergIMG - Emerging Image Modalities Representation and Compression PTDC/EEI-PRO/2849/2014 - POCI-01-0145-FEDER-16693, financed by the applicable financial framework (FCT/MCTES) (PIDDAC). The grant will be awarded under the following conditions:

**Scientific area:** Computer Science and Engineering

##### Texto do anúncio

**Admission requirements:** The candidates should hold a PhD degree on: Computer Science and Engineering, or Electrical and Computer Engineering, or similar qualifications, with research experience on image coding and lightfields or holographic image.

**Workplan: Lightfields and Holography Representation.** The EmergIMG project results from a Portuguese consortium that targets to design a common framework for the representation and quality assessment of emerging imaging modalities, including lightfields and holographic imaging. This consortium aims to boost an international impact in terms of research and standardization. This research grant is part of task one of this project. The main goal of this grant is to propose a representation framework for the two imaging modalities (lightfields and holographic). The representation framework designed in this task has to provide efficient compression, backward compatibility, scalability, random access, error resilience, and low complexity.

**Legislation and regulations applicable:** A fellowship will be celebrated according to the regulations defined by FCT "Regulation of Instituto de Telecomunicações' fellowships" and "Estatuto do Bolseiro de Investigação", in

accordance with Law no. 40/2004, dated August 18 (Status of Scientific Research Fellow), as amended and republished by Decree-Law No.202/2012 of August 27, and as amended by Decree-Law No.233/2012 of October 29 and by Law No.12/2013 of January 29, and Decree-Law No. 89/2013 of July 9, and also by Fundação para Ciência e Tecnologia, I.P. Fellowship Regulation of Fundação para Ciência e Tecnologia, I.P., approved by Regulation no. 234/2012, published in Series II of Diário da República of June 25 of 2012, amended and republished by Regulation no. 326/2013, published in Series II of Diário da República of July 27 of 2013 and amended by Regulation no. 339/2015, published in Series II of Diário da República of June 17 of 2015.

<http://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf>

**Place of work:** The work will be developed at the Instituto de Telecomunicações, on the Multimedia Signal Processing-Cv (MSP-Cv) laboratory, University of Beira Interior, Covilhã, and on the Multimedia Signal Processing-Lx (MSP-Lx) laboratory, Instituto Superior Técnico, Lisboa, Portugal under the supervision of Professora Manuela Pereira and Professor Fernando Pereira.

**Grant duration:** The contract will begin **1<sup>st</sup> April 2017**, or soon thereafter, with a duration of 12 months, eventually renewable in the scope of PTDC/EEI-PRO/2849/2014 - POCI-01-0145-FEDER-16693.

**Value for monthly allowance:** 1495 Eur, according to table values of the scholarships awarded directly by the FCT, in the country (<http://www.fct.pt/apoios/bolsas/valores>).

The payment will be made by bank transfer.

**Selection methods:**

- Academic performance (measured on a scale of 1 to 20), weighting 0.4
- Experience in the scientific area (measured on a scale of 1 to 20), weighting 0.6
- It will be made an individual interview, if necessary.

**Jury:** Prof. Doutor Manuela Pereira, Prof. Doutor Fernando Pereira and Prof. Doutor Paulo Fiadeiro

**Notification of results:** Results will be published at the Department of Computer Science, Faculty of Engineering, Universidade da Beira Interior. The selected candidate will be notified by email.

**Documents to submit:**

- Curriculum Vitae with a short description of prior research work
- Document certifying his (or her) qualifications (including a detailed description of the courses).

Applications should be sent by email to Manuela Pereira: [mpereira@ubi.pt](mailto:mpereira@ubi.pt) or to Fernando Pereira [fp@lx.it.pt](mailto:fp@lx.it.pt).

**Deadline for applications:** the application documents shall be sent by email from 16th February to 2th March 2017.

**Número de vagas:** 1

**Tipo de contrato:** Temporário

**País:** Portugal

**Localidade:** Covilhã

**Instituição de acolhimento:** Instituto de Telecomunicações

**Data limite de candidatura:** 02 March 2017

*(A data limite de candidatura deve ser confirmada no texto do anúncio)*

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## 2. Dados de contactos da organização

### 2. Organization contact data

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**Instituição de contacto:** Instituto de Telecomunicações

**Endereço:**

Av. Rovisco, 1 - Torre Norte  
Lisboa - 1049-001  
Portugal

**Email:** [mpereira@di.ubi.pt](mailto:mpereira@di.ubi.pt)

**Website:**

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## 3. Habilitações académicas

### 3. Required education Level

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## 4. Línguas exigidas

### 4. Required languages

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## 5. Experiência exigida em investigação

### 5. Required research experience

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