



UNIVERSIDADE DE COIMBRA

## Announcement of Research Fellowship

(call opened between March 14, 2012 and March 27, 2012)

The University of Coimbra (UC) opens a call for granting a research fellowship in the framework of the Project FAir-Control "Factory Air Pollution Control", in the following conditions:

**Scientific area:** Environmental pollution control.

**No. of fellowships:** 1.

**Co-financing:** the grants are financed by Project FAir-Control that is supported by the Eurostars Programme of the EUREKA network, financed by "Fundação para a Ciência e a Tecnologia" (FCT), "Agência de Inovação" (AdI), and the Seventh Framework Programme for Research and Technological Development (FP7) of the European Union.

**Object of Activity:** perform research and development (R&D) works in the framework of the above mentioned project that runs in partnership between the University of Coimbra (UC), and "Acontrol - Automação e Controle Industrial, Lda" and "Pricast Control Systems S.L." companies. Research activities for the creation of systems and methodologies for industrial systems will be developed, namely in the following areas: chemical control of environmental quality, estimation and optimisation.

**Scientific Supervision:** Prof. Doctor Rui Alexandre de Matos Araújo and Prof. Doctor Jorge Luís Gabriel Ferreira da Silva da Costa Pereira.

**Desired profile for the recipient(s) of the grant(s):** holding a degree at the master level in the area of Chemistry, Electrical and Computer Engineering, Informatics Engineering, or a related area. Preferential conditions: experience in the area of the fellowship, knowledge on chemical control of quality, chemical reactivity, statistics, multivariate data analysis, and optimisation; Intent to pursue a PhD in the area of the fellowship.

**Venue of the fellowship(s) activities:** Departamento de Engenharia Electrotécnica e de Computadores (DEEC) e Departamento de Química, both of Faculdade de Ciências e Tecnologia da Universidade de Coimbra (FCTUC), and Acontrol.

**Duration of the fellowship(s):** 12 months.

**Terms and Renewal:** the fellowship may, eventually, be extended for one more period of duration equal to or lower than 12 months, but with duration as wide as possible provided that the duration obeys to this restriction and permits to comply with the budget and the time schedule of the FAir-Control project.

**Financial Conditions of the Fellowship(s):** The value of the fellowship will be 980 euros per month and is paid at the end of the month by bank transfer. To this value it is added the voluntary social insurance corresponding to the first level, if the applicant has chosen for its grant, as well as the personal accident insurance. The value of the fellowship will not increase throughout the duration of the fellowship.

**Conditions of Activity:** the assignment of the fellowship(s) does not generate a relation in terms of the labor law, is carried out under an exclusive dedication basis, according to the status of fellow of the UC according to what is specified in the Rules of Research Grants of the University of Coimbra (Dispatch No. 5129/2005 (2nd), DR No. 48, of March 9, Resolution No. 23/2005 of 5 January of the Senate of the University of Coimbra), Regulation of Advanced Training and Qualification of Human Resources of the FCT (<http://www.fct.mctes.pt/apoios/formacao/ambitoprojectos>) and Law No. 40/2004, of August 18 (Status of the Scientific Research Fellow).

**Formalization of the applications:** All applications must be submitted in PDF format by email to Prof. Rui Araujo, to the following address: Email: [ruis@isr.uc.pt](mailto:ruis@isr.uc.pt).

Postal Address: DEEC, FCTUC, Universidade de Coimbra Polo II, 3030-290, Coimbra, Portugal.

**Documents to deliver/send:** to formalise the application, the following documents should be sent: (1) Cover/motivation letter; (2) Curriculum Vitae (CV) of the applicant; (3) Copy of the certificate(s) of academic qualifications. The CV should include: (i) contact information, (ii) Academic qualifications (including a complete list of the concluded courses/subjects and their classifications), (iii) List of scientific publications, (iv) Main projects where the applicant has participated, and working experience, (v) other information considered relevant.

**Selection Method(s):** Analysis of the Curriculum of the candidate, and of his/her ability and motivation: Candidates will be selected





UNIVERSIDADE DE COIMBRA

through Curriculum evaluation by a jury consisting of a minimum of three doctorate professors from the UC, and which will take into account the selection and awarding criteria. If necessary, individual interviews with the candidate may be requested. In case no candidate has an adequate profile, the fellowship(s) will not be granted.

**Selection and awarding criteria:** The appreciation of the curriculum vitae (CV) will focus on the following parameters: (1) curricular elements presented, including the adequacy of the profile and merit of the candidate to needs of the project; (2) Experience in the areas of the tasks to be developed: previous experience in works and/or research and development projects related with the research and development program to be developed; (3) verification of the above described preferential conditions. The valuation of these three parameters is expressed by the following weights: (1) 50% (2) 25% (3) 25%.

**Jury responsible for the selection:** will be constituted by the following UC professors: Prof. Doctor Urbano José Carreira Nunes; Prof. Doctor Rui Alexandre de Matos Araújo, Prof. Doctor Jorge Luís Gabriel Ferreira da Silva da Costa Pereira.

**Start date of the applications:** March 14, 2012; **Deadline for the applications:** March 27, 2012.

**Additional information:** The evaluation results will be released by May 11, 2012. The candidates will be informed to the email address released by each candidate. The selected candidate(s) must declare in writing his/her(their) acceptance and communicate the date of actual commencement of the scholarship. The lack of the declaration within 5 working days is equivalent to the renunciation/abandonment of the scholarship. In case of renunciation or abandonment/withdrawal of the selected candidate(s), the immediately higher placed candidate(s) will be notified.

**Notes:** Effort has been made to accurately write this English version of the document from a translation of the Portuguese version. In case of doubts, mismatches, or errors the Portuguese version of this document is the one that is valid and that holds.

