

Research Fellowship (BI) in Informatics

A Research Fellowship (BI) is now available at Instituto Politécnico de Bragança (IPB), Portugal in the area of Informatics under the following conditions:

Scientific Area: Informatics

Admission requirements: Candidates will be admitted to the competition when demonstrating a bachelor or master's degree in Informatics Engineering, Electrical and Computer Engineering or related fields. Preference will be given to candidates who demonstrate specific experience / training in areas related to the subject matter of the project activity, namely experience in designing graphical interfaces and development of software applications using C++/C# and Java.

Work plan: The successful candidate will perform activities to design, implement and test computer applications for data collection and support for intelligent and predictive maintenance in a factory environment. The tasks to be developed include 1) application development, and corresponding graphical interface, for data collection, 2) development of an application to support predictive maintenance in an industrial environment, 3) development of a computer application and corresponding graphical interface, for visualization of maintenance procedures during the execution of maintenance operations, and 4) tests and verification of the operability of the developed solutions. Selected candidate should collaborate in the writing of technical reports and scientific publications

Legislation and regulations: Current Grants Regulation of IPB and Research Regulation of Fundação para a Ciência e a Tecnologia (FCT), I.P. (<http://www.fct.pt/apoios/bolsas/regulamento.phtml>), and the Research Fellowship statute (<https://www.fct.pt/apoios/bolsas/estatutobolseiro>).

Workplace: The work will be carried out at Laboratório de Controlo, Automação e Robótica, Polytechnic Institute of Bragança, in Bragança, under the scientific supervision of Prof. Paulo Leitão.

Grant duration: The grant will be awarded for a period of 12 months (renewable), due to start in April 2nd, 2018.

Value of monthly maintenance allowance: Monthly allowance will be dependent of the candidates' graduation and will be in accordance with the FCT grant regulations (<http://alfa.fct.mctes.pt/apoios/bolsas/valores>).

Selection methods: Candidates will be assessed by the quality of their CV, mainly the academic evaluation, the professional evaluation, the relevant expertise and knowledge in the areas of designing graphical interfaces and development of software applications using C++/C# and Java, and the spoken and written English capabilities.

The jury may not award the fellowship if the quality of candidates is lower than desired.

Composition of the Selection Panel: Paulo Leitão (Chair), Leonel Deusdado (Vogal), José Barbosa (Vogal), and José Lima (substitute member).

Form of advertising/notification of results: The final evaluation results will be published and the candidates will be notified by e-mail or telephone.

Deadline for application and presentation of applications: The application period will be from 19th February to 2nd March 2018. Applications must be formalized by sending a letter of application/motivation together with the following documents: Curriculum vitae, copies of degree certificates, and other documents considered relevant by the candidate.

Applications should be mailed to:

Instituto Politécnico de Bragança
A/c Prof. Doutor Paulo Leitão
Departamento de Eletrotecnia
Campus Sta Apolónia, Apartado 1134
5301-857 Bragança
Portugal

Telephone: + 351 273303065; Fax: +351 273313051; e-mail: pleitao@ipb.pt