Application for a Research Fellowship

Project *PTDC/EEI-TEL/2990/2012*

Applications for a Research Fellowship are invited for the Project PTDC/EEI-TEL/2990/2012, entitled "ADIN – Advanced PHY/MAC Design for Infrastructure-less Networks", funded by the Fundação para a Ciência e a Tecnologia, Portugal, under the following conditions:

1. **Duration:** 12 months on an exclusive regime, according to FCT regulations for advanced training of human resources (http://www.fct.pt/apoios/bolsas/regulamento.phtml). Successful applicant will receive a one-year research assistantship, possible followed by a 3 or 4-year fellowship (based upon his/her first-year performance) to pursue the PhD degree.

2. **Job Description:** The problem of PHY/MAC design in decentralized networks is well known in wireless communications. In this project, we will revisit the possibility of solving it by properly designing PHY/MAC schemes adapted to the interference conditions. More information can be obtained from Prof. Rodolfo Oliveira (rado@fct.unl.pt).

3. **Applicable Legislation**: Statute of Scientific Research Fellow, approved by Law No. 40/2004, of August 18, amended and republished by Decree-Law No. 202/2012 of 27 August and amended by Decree-Law No. 233/2012 of 29 October and by Law No. 12/2013, of January 29 and Regulation Research Grant from the Foundation for Science and Technology, IP – 2012.

4. **Scientific Orientation:** The work will be supervised by Prof. Marko Beko, Universidade Nova de Lisboa/UNINOVA – Instituto de Desenvolvimento de Novas Tecnologias, and Prof. Rodolfo Oliveira, Universidade Nova de Lisboa/UNINOVA.

5. **Academic training:** The applicants should have a Master, or equivalent degree in electrical engineering, (applied) mathematics, or operations research. He/She should have experience in wireless communications (preferable) and computer programming (e.g. Matlab).

6. **Monthly stipend:** According to the values for Research Fellowships awarded by FCT in Portugal will be 980 € per month. The starting date is negotiable. The payment could be done by check or by bank transfer and will be done in the last work day of each month.

7. **Application Documents:** Interested students should submit a detailed biographical vitae, including relevant courses completed (specifying texts used, if applicable) and a description of prior research (if applicable). In addition, they should provide at least two recommendation letters.

8. **Candidate Selection:** The evaluation of applicants who meet the requirements will be based on analysis of curriculum vitae, taking into account their suitability for the project.

9. **Composition of the Jury:** Prof. Rodolfo Oliveira (FCT/UNL); Prof. Marko Beko (FCT/UNL); Prof. Luis Bernardo (FCT/UNL).

Applications should be sent no later than January 31, 2014, to the following e-mail address: rado@fct.unl.pt.