

PHD STUDENT SCHOLARSHIPS

Two PhD student scholarships are open for applications in the framework of the Cost Center nº 3.62.113-RACE of the Research Unit 127/94-IEETA of the University of Aveiro.

The goals of these scholarships are the following:

- Scholarship 1 – This scholarship is focused on the design and development of mechanisms for conceptualization of plan-based robot activities in service robotics applications, such that robot performance on task planning and execution improves with accumulated experiences and conceptualizations. There is a focus on problem solving and failure recovery, as well as on human-robot interaction for guiding plan-based robot experiences.
- Scholarship 2 – This scholarship is focused on the design and development of mechanisms for conceptualization of objects and scenes in service robotics applications, such that robot performance on object and scene recognition improves with accumulated experiences and conceptualizations. There is a focus on 3D environment perception and open-ended learning, as well as on human-robot interaction for naming objects and scenes and for providing corrective feedback.

These scholarships are granted for one year and are renewable up to three years. The scholarship value is 980 euros per month paid by cheque or bank transfer.

Candidates must hold a Master degree in computer science or related field and have a strong background in computer science and, preferably, also in relevant topics in artificial intelligence and robotics. At the time of starting the scholarship, candidates must be registered in a relevant doctoral programme at the Universidade de Aveiro.

Applications should include the following items: a) Application form, available from the website of Human Resources Division of the Universidade de Aveiro (<https://www.ua.pt/sgrhf/PageText.aspx?id=15032>); b) Curriculum Vitae; c) Copy of an identification document; d) Copies of certificates of academic qualifications and transcripts with all marks obtained in individual courses.

Applications must be submitted by July 25, 2012, via e-mail to Luís Seabra Lopes (lsl at ua dot pt). Unless an application explicitly targets only one of the two scholarships described above, the candidate will be ranked for both.

The candidates will be evaluated and ranked based on the quality of their Curricula Vitae, background adequacy to the goals of the scholarships and relevance of previous research experience, if any. The board for evaluation and ranking of applications will be composed of Prof. Dr. Luís Seabra Lopes, Prof. Dr. Armando Pinho and Prof. Dr. Ana Maria Tomé.

These scholarships are granted according to the *Regulamento de Bolsas de Investigação Científica da Universidade de Aveiro – Regulamento n.º 341/2011*, published in *Diário da República*, 2ª série, n.º 98, May 20, 2011, and the *Estatuto de Bolseiro de Investigação Científica*, Law n.º 40/2004, August 18, 2004.

The evaluation and ranking of candidates will be communicated via e-mail.

Universidade de Aveiro, June 27, 2012

Prof. Dr. Luís Seabra Lopes