FCT Fundação para a Ciência e a Tecnologia

MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR

ANNOUNCEMENT

POST-DOC POSITIONS IN NONLINEAR CONTROL AND ESTIMATION THEORY

AT THE INSTITUTE FOR SYSTEMS AND ROBOTICS (ISR)
OF THE
INSTITUTO SUPERIOR TÉCNICO (IST), LISBON, PORTUGAL
http://www.isr.ist.utl.pt

We are seeking expressions of interest for two postdoctoral positions, for a period of up to two years each, at the Institute for Systems and Robotics (ISR) of the Instituto Superior Técnico (IST), Lisbon, Portugal in the general area of **Nonlinear Control and Estimation Theory** with applications to (but not limited to) Motion Control of Single and Multiple Autonomous Robotic Vehicles under communication constraints.

Position 1 - research work in the scope of project NAV-Control: Development and Application of Advanced Nonlinear Control Techniques for the Coordination and Motion Control of a Network of Autonomous Vehicles. See details at http://users.isr.ist.utl.pt/~pedro/NAV
Position 2 - research work in the scope of project DENO: DEvelopment of Nonlinear Observers. See details at http://users.isr.ist.utl.pt/~pedro/DENO

Applicants must have completed the Ph.D. thesis by July 31, 2008, preferably in the field of Electrical Engineering and Systems, Mechanical Engineering, Applied Mathematics, Computer Science or in a related field. We are looking for individuals who show strong motivation to pursue advanced research and are capable of adapting to team work. Strong mathematical skills are required and expert knowledge of the English language is a must. Applicants need not be Portuguese citizens to apply.

The Institute for Systems and Robotics (ISR) of the Instituto Superior Técnico (Technical University of Lisbon) is a world class center of excellence in research that has received the highest mark (excellent) in the national evaluation programs carried out by a panel of international experts on behalf of the Portuguese Foundation for Science and Technology.

Successful applicants will receive a one-year research assistantship, renewable for a second year based upon their first-year performance. The value of the fellowship will be 1495 € monthly (tax exempt) plus social security. There is travel funding available in the event that papers are accepted at important conferences and for visits to other research institutes.

Interested candidates should submit a detailed biographical vitae, including a list of publications, sample publications, and a description of prior research. In addition, they should provide the names of *three academic references* (name, title, affiliation, e-mail and telephone number(s)) who are willing

to provide detailed recommendation letters about the candidate. Finally, they should include a one-page summary of their future research objectives.

The above material should be e-mailed no later than **March 31, 2008** or until a suitable candidate is found to the following e-mail address: pedro@isr.ist.utl.pt

For further information on the research work, please contact:

Prof. Antonio Pedro Aguiar
Email: pedro@isr.ist.utl.pt
URL: http://omni.isr.ist.utl.pt/~pedro

After a preliminary screening, the academic references will be contacted to provide confidential recommendation letters. *The ISR/IST reserves the right to select no one or only one Post-Doc candidate.*

The fellowship(s) are supported by the Projects NAV-Control (PTDC/EEA-ACR/65996/2006) and DENO (PTDC/EEA-ACR/67020/2006) of the Portuguese Foundation for Science and Technology (FCT-PT) and are governed by the provisions of Portuguese law pertaining to Research Grantees. Information about the Institute for Systems and Robotics (ISR) at IST can be found in the following web page: http://www.isr.ist.utl.pt