



ERRIC



Post doctoral position in Agent coordination and dynamic agreements

Context

The Faculty of Automatic Control and Computers (A & C), part of the most important technical university in Romania - the University Politehnica of Bucharest - is the coordinator of the FP7-REGPOT-2010-1 ERRIC Project, the main objective of which is to empower existing excellence in research by unlocking its significant research potential and enhancing its national and regional leadership position in selected areas of Intelligent Information Technologies (IIT). In this scope the project offers consistent and attractive job opportunities for young researchers able to develop their research potential, be integrated in and participate to a visible and active research community, during a post doctoral research fellowship.

The person to be appointed will join the Artificial Intelligence and Multi-Agent Systems Laboratory (<http://aimas.cs.pub.ro/>) and will interact with other research groups of the Department.

Research activities will be carried out at the premises of the Department of Computer Science of A&C but in close collaboration with other researchers from the EU strategic partners of the ERRIC project, including short research visits to these universities.

Mission

In the frame of the ERRIC project, the researcher will perform research in the field of development of models and architectures for multi-agent systems endowed with artificial intelligent behavior, focusing on the technologies that enable agent models to be used in ambient intelligence area.

The main investigated issues will be:

- Developing models and mechanisms for agreement planning that create joint plans to carry out a set of tasks by means of a collaborative process among agents, including the dynamic modification of agreements
- Design and develop a novel model and associated framework for the use of argumentation in distributed decision making and coordination
- Developing applications for virtual organisations and ambient intelligence scenarios.

Post-doctoral research fellows must carry out a research project embedded in one of the research themes of the Aml Programme. They carry out their research in cooperation with a scientific counterpart in the research group theme.

Qualification and experience

Applicants should:

- already be in possession of a doctoral degree in Computer Science or a closely related area and in a subject relevant to the post, ideally continued by at least one successful experience in research.
- have an significant research record in their field
- show excellent capacity for independent research



- be highly motivated and proactive
- have excellent team working skills
- have excellent communication skills (written and verbal) and scientific report writing skills (fluency in English is a prerequisite).
- be eager to disseminate research results by preparing journal articles and conference papers

Principal activities

- Provide knowledge and know-how transfer of specific IIT solutions
- Present results to members of the Laboratory, the Department, to ERRIC strategic partners, and external audiences, to disseminate research results.
- Prepare high-quality papers for journals, workshops and international conferences.
- Contribute to the development of an international research environment.
- Share and valorise the approaches, methods and tools developed
- Enhance the efficiency, proficiency, and visibility of R&D results and capacity of innovation at EU level

Conditions

Employee, location: University Politehnica of Bucharest
 AI-MAS., Faculty of Automatic Control and Computers
 313, Spl. Independentei, sector 6, RO-060042, Bucharest,
 Romania
<http://aimas.cs.pub.ro/>

Duration: 12 to 18 months starting not later than 01.09.2012 (position is available right now but can be delayed until September); early start (beginning from 1.03.2012) is encouraged. During the period of the internship the researcher will be employed by University Politehnica of Bucharest under a full-time fixed-term contract with full social security coverage.

Salary: 16,800 Euro net per year

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Application submission

Your application must include a full academic CV (including publication record), a statement outlining the research you envisage during your appointment and two letters of recommendation. Applications should be submitted online at www.erric.eu/researchjobs. After the submission, applicants are requested to also send a notification to info@erric.eu. The letters of recommendation should be sent directly by the persons recommending the applicant to the address info@erric.eu. Following the closing date, you will be informed by email whether or not you have been selected to be invited to participate in the next stage of the selection process. It may take up to two weeks following the closing date before we will be able to contact you.

