Call for Applicants

Marie Curie Fellow in Greece

The Laboratory of Knowledge & Intelligent Computing, TEI of Epirus, announces a Marie Curie Experienced Researcher Fellowship (ER2) on "**Development of Decision Support System DSS**". The fellowship is announced in the framework of the Marie Curie IAPP "**ICT system addressed to integrated logistic management and decision support for intermodal port and dry port facilities-SAIL**", which is coordinated by the University of Trieste.

Description

This Experienced Researcher will undertake research on the development of a Decision Support System aiming to improve the overall qualitative and quantitative performance of the intermodal port management. This DSS will focus on the means of transport and it will take into account, the assignment of available resources and the scheduling of the activities.

This Experienced Researcher will contribute to the recognition of the existing works and significant results from the international literature. Especially within this task, artificial intelligence methods will be investigated. He/She will analyse the logistic system in terms of definition of main involved actors, activities, resources and available information. He/She will examine approaches to model, design and develop cognitive interfaces based on multimodal interaction and direct perception for decision support. He/She will contribute to the development of novel methodologies for automated assessment of critical conditions, advanced mechanisms for information assurance and advanced algorithms for data fusion.

He/She will contribute to the architectural and technical analysis in order to:
• define the characteristics of the software system needed by the users to take the correct decisions fully informed about current status and supported foreseeing consequences of decisions they will take
• develop integration with systems that give the runtime status
• develop user interfaces
• develop algorithms to get solutions according to the proposed methodologies

Research Fields

Decision Support Systems, Modelling, Operational Research, Artificial Intelligence

Career Stage

Experienced researcher or 4-10 yrs (Post-Doc)

Profile of the Researcher

He/She is an expert on ontologies and at designing and developing software systems based on advanced modelling techniques and computational intelligence methods. He/She has knowledge and experience on the state-of–the art software design and development methods for real time management and simulation of complex systems, web based systems utilising Java and UML related methods for developing intelligent decision support systems. Great software design and development skills in machine learning open software tools, simulation software tools such as ARENA and MATLAD/SIMULINK, software

tools for on-line reasoning engines and knowledge representation, expert systems development tools such as Jess.

Benefits

Fellowship covers monthly salary for one year in line with FP7-PEOPLE-2010-IAPP. The annual salary is approximately 54.330 Euros before tax and national insurance deductions.

Comment/web site for additional job details
http://kic.teleinfom.teiep.gr/

Requirements

Required Languages
Language: ENGLISH
Language Level: Excellent

Additional Requirements

Eligible applicants for this Experienced Researcher Fellowship (equivalent to a post-doctoral position) must either be in possession of a doctoral degree, irrespective of the time taken to acquire it, or have at least four years of full-time equivalent research experience in simulation, Artificial Intelligence, Operational Research, Computer Science, Electrical Engineering, Decision Support Systems. Their total research experience must not exceed 5 years after obtaining qualifications which formally allowed them to embark on a PhD degree.

Condition of employment : Temporary for a period of 12 months (ending in August 2012)

This post is open primarily to nationals of EU Member or Associated States (other than GREEKS). At the time of selection by the host organisation, researchers must not have resided or carried out their main activity (work, studies, etc.) in the country of their host organisation for more than 12 months in the 3 years immediately prior to their recruitment. In the case of applicants with Greek nationality they have not to reside in Greece the previous 5 years.

Applicants have to send an application letter, including full CV (with an analysis of their publications), a covering letter including brief description of their research activities, presenting their suggestions on how they could contribute to this particular research and why they are suitable for this position based on their research experience and two reference letters to:

Dr. Chrysostomos Stylios
Assistant Professor
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Technological Educational Institute of Epirus
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Submission Deadline: 29 July 2011