



UNIVERSIDAD DE OVIEDO



Programa de aprendizaje permanente

**ERASMUS TRAINING SCHOLARSHIPS COURSE 2009-2010
UNIVERSITY OF OVIEDO:
COMPROMISO ASTURIAS XXI'S PROGRAM**

TRAINING PROGRAM OFFER'S FORM

Trade name	University of Cambridge
Taxpayer Identification Number (TIN)	N/A
Training program Location	Computer Laboratory, Cambridge
Registered Address of the training programme location	University of Cambridge Computer Laboratory William Gates Building 15 JJ Thomson Avenue Cambridge CB3 0FD UK
Name of training position	Mobile Developer for a Research Project
Bachelor's Degree(s) aimed at	Computer Science (Ingenieria Superior) Telecommunication Engineering (Ingenieria Superior)
Earliest date to begin the training program	1 st May 2010
Latest date to begin the training program	1 st July 2010
Length of the offered training program (in weeks)	Min. 12 weeks to Max. 16 weeks
Activities to be performed by the trainee and chronological order of such activities (this information is required in order to enable the home university to assess the relevant credits to be granted to the student for the experience)	Activity 1: Possibility to choose one out of 2 Options: a): Develop a context-aware resources manager for the Android OS. Most of the mobile phone resources are used in a few set of locations and time windows. A more efficient Resources Manager can be developed using contextual information. b) Developing tools to research on the importance of location on the usage of mobile phone resources. Activity 2: Evaluating the system and Activity 3: Writing a small report to be used as the base for a conference paper.



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<p>Skills to be acquired by the student</p>	<p>Experience working on an world leading research laboratory in a multicultural environment.</p> <p>Knowledge about hot research topics.</p> <p>Understanding mobile phone development limitations, specially in particular processing energy constraints.</p> <p>Middleware development.</p> <p>Green mobile computing</p> <p>Possibility of using this work for the last year dissertation. (Seek advice from the University of Oviedo International Relationships office)</p>
<p>Required Languages</p>	<p>English</p>
<p>Any other requirements</p>	<p>Good programming skills (Java, C#)</p>
<p>Other skills the host company considers desirable but not required</p>	<p>Experience in mobile development.</p> <p>Knowledge about distributed systems, Operating Systems and Middleware concepts.</p> <p>Experience in scripting languages (Matlab, Python)</p> <p>Good communication skills.</p> <p>Willing to learn new technologies.</p>
<p>Principal or supervisor in the host company</p>	<p>Prof. Jon Crowcroft Narseo Vallina</p>
<p>Economic aid or any other company benefit to be offered to the student by the host company (if any)</p>	<p>Flight and accommodation</p>