

## ERASMUS STUDENT PLACEMENT OFFER

EMPLOYER INFORMATION	
	INSTITUTO DE TELECOMUNICAÇÕES IT Branch - Leiria
ADDRESS	Morro do Lena – Alto do Vieiro
POSTAL CODE	2411-901
CITY	Leiria
COUNTRY	Portugal
TELEPHONE	+351 244820340
E-MAIL	sergio.faria@co.it.pt
WEBSITE	<a href="http://www.it.pt">http://www.it.pt</a>
SHORT DESCRIPTION OF ORGANISATION/ ENTERPRISE	<b>Instituto de Telecomunicações (it)</b> is a private, not-for-profit organization, of public interest, a partnership of nine institutions with research and development in the field of Telecommunications. <b>it</b> was founded in 1991 and <b>it</b> members (about 200 PhD holders) are organized into research groups with specific scientific backgrounds, covering the whole range of <b>it</b> areas of R&D. Every year <b>it</b> hosts more than 200 PhD students and about 200 MSc students.

CONTACT DETAILS	
CONTACT PERSON	Sérgio Faria
DEPARTMENT/FUNCTION	Director of IT Branch - Leiria
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PLACEMENT INFORMATION	
<b>DEPARTMENT/FUNCTION</b>	Research in a project at in Multimedia Signal Processing Group at IT-Branch Leiria
<b>DESCRIPTION OF ACTIVITIES</b>	The work to be carried out in this project consists in an experimental study of the computational complexity required by High Efficiency Video Codecs (HEVC) to encode and decode screen-content of smartphones and high-resolution screens. In the first phase, the project aims to determine the most relevant HEVC parameters that influence the coding/decoding complexity and as consequence the battery life of portable equipment. The result of this phase will be a set of parameters and relative weights that measure the individual contribution to the overall complexity. The second phase of the work will consist in devising an empirical model to estimate the energy consumption from the computational complexity parameters in order to determine an estimate of the remaining battery life of portable equipment (e.g. smartphones).
<b>DURATION</b>	September 2014 - March 2015
<b>WORKING HOURS PER WEEK – FULL TIME</b>	40hrs
<b>CITY</b>	Leiria
<b>ACCOMODATION</b>	Student Hostel, price per month 107.00 – 141.00 EURO (www.ipleiria.pt)

REQUIREMENTS	
<b>ORAL AND WRITTEN LANGUAGE SKILLS</b>	Proficient English or Portuguese (oral and written)
<b>COMPUTER SKILLS</b>	C Programming, Matlab
<b>OTHER</b>	MSc student

OTHER	
<b>DOCUMENTS TO BE SUBMITTED</b>	Motivation letter and CV. Interview by Skype. The candidate shall send his/her application documents to: <a href="mailto:sergio.faria@co.it.pt">sergio.faria@co.it.pt</a>
<b>APPLICATION DEADLINE</b>	30/06/2014
<b>OTHER</b>	