

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	http://www.it.pt
SHORT DESCRIPTION OF ORGANISATION/ ENTERPRISE	Instituto de Telecomunicações (it) is a private, not-for-profit organization, of public interest, a partnership of nine institutions with research and development in the field of Telecommunications. it was founded in 1991 and it members (about 200 PhD holders) are organized into research groups with specific scientific backgrounds, covering the whole range of it areas of R&D. Every year it hosts more than 200 PhD students and about 200 MSc students.

CONTACT DETAILS	
CONTACT PERSON	Sérgio Faria
DEPARTMENT/FUNCTION	Director of IT Branch - Leiria
TELEPHONE	+ 351 244820340
E-MAIL	sergio.faria@co.it.pt



PLACEMENT INFORMATION	
DEPARTMENT/FUNCTION	Research in a project at in Multimedia Signal Processing Group at IT-Branch Leiria
DESCRIPTION OF ACTIVITIES	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).
DURATION	September 2014 - March 2015
WORKING HOURS PER WEEK – FULL TIME	40hrs
CITY	Leiria
ACCOMODATION	Student Hostel, price per month 107.00 – 141.00 EURO (www.ipleiria.pt)

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

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