

## 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
TELEPHONE	+ 351 244820340
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PLACEMENT INFORMATION	
DEPARTMENT/FUNCTION	To work on a research project at Antennas and Propagation Research Group of the IT-Branch Leiria
DESCRIPTION OF ACTIVITIES	<b>Novel Antenna Beam Steering for Wireless Applications</b> Development of antenna arrays with electronic beamforming steering capabilities for various wireless communication applications. A proof-of-concept study and implementation of an active Frequency Selective Surface (FSS) as a transmit array, at frequencies around 6 GHz, that will allow easy 3D beam steering and/or fast lobe switching. Design and implementation of the electronic circuitry to control the varactors diodes of each unit cell of the stack layer (i.e. radome) that will be place in front of an existing directional antenna.
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	MatLab and HFSS (or CST).
OTHER	MSc student

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