



## Europass Curriculum Vitae



### Personal information

Surname / First names

**Cardote, André Amorim de Faria**

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Nationality

Portuguese

Date of birth

17<sup>th</sup> June 1986

Gender

Male

### Education and training

**Dates**

**From September 2004 to July 2009**

Title of qualification awarded

Master in Electronics and Telecommunications Engineering

Principal subjects/occupational skills covered

- Master's thesis in WiMAX PMP and Mesh mode planning
- Self-organizing networks
- Networking
- Wave propagation
- Low and high power electronics
- Signal processing
- Control systems
- English language (Technical level)
- German language (Basic level)

Name and type of organisation providing education and training

- Electronics, Telecommunications and Informatics Department, University of Aveiro, Aveiro, Portugal
- IT – Institute of Telecommunications of Aveiro, Aveiro, Portugal

Level in national or international classification

15.23 ECTS  
19 out of 20 in the Master's thesis.

**Dates**

**From February 2007 to June 2009**

Title of qualification awarded

Cisco CCNA Exploration

Principal subjects/occupational skills covered

- Ability to install, configure, operate and troubleshoot medium-size routed and switched networks, including implementation and verification of connections to remote sites in a WAN.

Name and type of organisation providing education and training

CISCO  
(I have not yet taken the final exam)

**Dates** **Since August 2009**

Title of qualification to be awarded PhD in Electrical Engineering (Universidade de Aveiro)

Advisors - Prof. Susana Sargento (Universidade de Aveiro / Instituto de Telecomunicações)  
- Prof. Peter Steenkiste (Carnegie Mellon University)

Principal subjects/occupational skills covered - Ad hoc networks  
- Vehicular networks

Name and type of organisation providing education and training - Electronics, Telecommunications and Informatics Department, Universidade de Aveiro, Portugal.  
- IT – Institute of Telecommunications of Aveiro, Aveiro, Portugal

Scholarship FCT BD Scholarship started in January 2010.

**Dates** **Since January 2010**

Title of qualification to be awarded PhD in Electrical and Computer Engineering (Carnegie Mellon University – CMU|Portugal)

Advisors - Prof. Susana Sargento (Universidade de Aveiro / Instituto de Telecomunicações)  
- Prof. Peter Steenkiste (Carnegie Mellon University)

Principal subjects/occupational skills covered - Ad hoc networks  
- Vehicular networks

Name and type of organisation providing education and training - Electronics and Computer Engineering Department, Carnegie Mellon University, Pittsburgh, USA.  
- Electronics, Telecommunications and Informatics Department, Universidade de Aveiro, Portugal.  
- IT – Institute of Telecommunications of Aveiro, Aveiro, Portugal

Admission conditions GRE (Verbal/Quantitative/Analytical): 430/770/4.0; TOEFL: 104.  
  
I have spent the first semester of 2011 at Carnegie Mellon.

## Publications

**Date** **July 2009**

Title WiMAX Point-to-Multipoint and Mesh Mode Network Planning

Type / Status Master's Thesis / Published – Universidade de Aveiro

**Date** **April 2010**

Title Mesh Networks Planning: Optimization with Multi-Hop Interference

Type / Status Journal / International Journal of Communication Networks and Information Security, August 2010.

**Date** **December 2010**

Title On the Connection Availability between Relay Nodes in a VANET

Type / Status Published at HeterWMN Globecom 2010 workshop.

## Awards

**Date** **June 2010**

Award Merit Scholarship 2008/2009 – Universidade de Aveiro  
This award is granted to the best students of the university of Aveiro by area of study.

## Participation in Projects

**Dates** **Since August 2009**

Name of the Project DRIVE-IN (Distributed Routing and Infotainment through VEhicular Inter-Networking)

Information about the Project DRIVE-IN is an FCT (CMU Portugal) project in collaboration with Carnegie Mellon University and several companies. The aim of the project is to study how the road utilization can be improved by vehicle-to-vehicle communications and to develop a feasible inter-vehicle communication platform.  
(<http://drive-in.cmuportugal.org/>)

**Dates** June 2010 – May 2011

Name of the Project DINASTI (Distributed Infrastructure for Simulations)

Information about the Project DINASTI is an Internal Euro-NF Network of Excellence Project. The aim of the project is to address the research challenges imposed by the utilization of multiple simulators by implementing an efficient and scalable framework to support cross-system optimization of heterogeneous systems in a unified manner.

## Work experience

**Dates** From 2005 to October 2009

Occupation or position held Visual jockey and electronic equipment maintenance

Main activities and responsibilities Video and light equipment operation  
Light, video and sound equipment maintenance and repairing

Name and address of employer Número Livre, Lda (Club 8)

## Personal skills and competences

Mother tongue(s) Portuguese

Other language(s) English, French, German, Spanish

Self- assessment  
European level (\*)

**English**

**French**

**German**

**Spanish**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C1	Proficient user	C1	Proficient user
B2	Independent user	C1	Proficient user	C1	Proficient user	B2	Independent user	C1	Proficient user
A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user
B1	Independent user	B1	Independent user	A1	Basic user	A1	Basic user	A1	Basic user

(\*) Common European Framework of Reference for Languages

Social skills and competences - Team working spirit acquired through the academic experience  
- Aptitude to adapt to new social environments, as well as to live abroad for short-medium periods  
- Ability to work under pressure and accomplish firm deadlines

Organisational skills and competences - Capacity to lead a team, evaluating everyone's opinion when opportune. I was member of the presidency of the student association for 3 years during High School

Technical skills and competences - Ad-hoc networks, particularly Vehicular Ad-hoc networks  
- WiMAX, WiFi, GSM, UMTS, ADSL technology knowledge  
- Network planning  
- Sound, light and video equipment operation and repairing

Computer skills and competences - Capacity to operate and administrate Unix and MS Windows based operating systems  
- Expert level using Microsoft Office™ (Word™, Excel™, Powerpoint™, Access™)  
- Excellent knowledge of LaTeX  
- Capacity to work with graphic design and video applications (Adobe Photoshop™, Adobe Illustrator™, Adobe Premiere™)  
- Expert use of Internet, namely great capacity to search for specific information  
- Expert knowledge on programming languages (C, C++, C#, MATLAB, AMPL, Assembly)  
- Intermediate knowledge of Java, Python and ActionScript

Other skills and competences - 2<sup>nd</sup> Dan Aikido (martial art) practicer.

Driving license Category B