



## Europass Curriculum Vitae

### Personal Information

Surnames / First name **Vieira Pereira Daniel**  
Address Rua Pedro Alvares Cabral, 119 4ºD P-3030-069 Coimbra, Portugal  
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Nationality Portuguese  
Date of birth 4<sup>th</sup> April 1979  
Gender Male

### Work Experience

Dates From 1<sup>st</sup> September 2007 to 15<sup>th</sup> March 2009 (1 year and 6 months)  
Occupation or position held Assistant researcher at LCT - CISUC  
Main activities and responsibilities Research in the topic of QoS Routing in Wireless Mesh networks  
Name and address of employer University of Coimbra (UoC), Faculty of Sciences and Technology  
Center for Informatics and Systems of the UoC – Laboratory of Communications and Telematics  
Coimbra - Portugal  
Website: <http://www.cisuc.uc.pt>  
Type of business or sector Research and development  
Dates From 15<sup>th</sup> October 2006 to 1<sup>st</sup> March 2007 (4 months and a half)  
Occupation or position held Part-time lab systems administrator  
Main activities and responsibilities Computer systems administrator  
Name and address of employer University of Coimbra, Faculty of Sciences and Technology  
Institute of Systems and Robotics – Automation laboratory  
Coimbra - Portugal  
Website: <http://www.isr.uc.pt>  
Type of business or sector Research and development

### Education and training

Dates From 15<sup>th</sup> September 2003 to 26<sup>th</sup> January 2009  
Title of qualification awarded Bachelor degree in Informatics Engineering  
Master degree in Network Communication Engineering  
Name and type of organization providing education and training University of Coimbra, Faculty of Sciences and Technology  
Department of Informatics Engineering  
Principal subjects/occupational skills covered Advanced Networking Topics, Programming, Operating and Distributed Systems, Artificial Intelligence,  
Software Engineering, Company Management, Information Systems Design/Management  
Level in national classification Bachelor degree in Informatics Engineering (Average of 12/20)  
Master degree in Network Communication Engineering (Average of 16/20; Thesis grade of 19/20)  
Dates From 1<sup>st</sup> October 1999 to 1<sup>st</sup> September 2003  
Title of qualification awarded Electronics Engineering undergraduate student (partial completion)  
Name and type of organization providing education and training University of Coimbra, Faculty of Sciences and Technology  
Department of Electronics and Computer Engineering  
Principal subjects/occupational skills covered Mathematics (Calculus, Algebra, Statistics) and classical physics  
Electronics (Digital Systems, Logical Programming, Electrical Circuitry, Technical Drawing)

## Personal skills and competences

Mother tongue

Other language(s)

Self-assessment

European level (CEF)

**English**

**French**

**Spanish**

**Italian**

**Japanese**

**Portuguese**

**English, French, Spanish, Italian and Japanese**

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

Social skills and competences

Organizational skills and competences

Technical skills and competences

Awards and filiations

Computer skills and competences

- Team worker, proactive and independent
- Excellent adaptability in multicultural environments, gained through research work experience
- Good communication skills, gained through presentations and international conferences
- Coordinator charge in the 10th EGTI (Management and Information Technologies Meeting)  
Website: <http://egti.dei.uc.pt>
- Quality Management in a software engineering project within a multicultural, 10 element, group
- Member of LaGe (Management Laboratory) at the Department of Informatics Engineering – UoC  
Guidance and progress assessment to BSc students in their Management classes activities

Good technical and research documentation skills gained through scientific writing and reviewing

- FCT Initiation to Scientific Research scholarship for Masters thesis research and dissertation
- FCT Research scholarship on the topic of QoS Routing in Wireless Mesh Networks
- Member of the LCT-Routing group of the Center for Informatics and Systems (CISUC)
- IEEE Student member

Networking:

- Research-level knowledge of networks
- Academic research in the area of QoS Routing protocols and Wireless Mesh Networks
- Excellent network modeling and simulation skills (NS-2, OPnet)
- Encryption, authentication and cryptographic protocols
- Network security (Firewalls, NAT, IDSs) and auditing

Programming:

- C, C++, Java, Perl, Bash scripting, PHP, JSP, XML and some Assembly
- Knowledge of debuggers (GDB) and system profilers (Valgrind, DTrace)
- MySQL, PostgreSQL, Oracle, PL/SQL (programming and administration)
- Multi-threaded, distributed computing and remote invocation API (MPI, RMI) programming

Software engineering and IT management:

- UML, RUP and knowledge of ITIL

Service administration and configuration:

- LDAP, SMB, NFS, CVS and Subversion
- X.509 PKI infrastructures and VPNs (IPSec, PPTP, OpenVPN)
- SMTP, POP3 and IMAP (Postfix/Sendmail, Cyrus, Dovecot), DNS (Bind) and Apache

Operating systems:

- Excellent knowledge of Linux, BSD (OpenBSD, FreeBSD, Darwin) and Apple OS X
- Microsoft Windows (NT 4.0 to Vista)

Other skills and competences

Artistic skills and competences

## Publications

Pereira, D. Triviño-Cabrera, A. Curado, M. "Analysis of Metrics for Routing Optimization in Wireless Mesh Networks", FITraMen 08, Oporto, December 2008

Pereira, D. "QoS Routing in Wireless Mesh Networks", M.Sc. thesis, University of Coimbra, July 2008