

# Curriculum Vitae

**Alberto Ferrante**

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## 1 Personal Information

Surname, First name:	Ferrante, Alberto
Address	Via Buffi, 13 - 6904, Lugano - Switzerland
Telephone	(+41)58 666 4558
E-mail	alberto.ferrante(at)usi.ch
Nationality	Italian
Gender	Male

## 2 Work Experience

Dates	January 2006 - Present
Occupation or position held	post-doctoral researcher
Main activities and responsibilities	academic research, industrial research (in collaboration with external companies), project management (national/international, academic/industrial), teaching (Linux, Computer Architectures), theses tutoring, management of the IT infrastructure, Linux administration
Name and address of employer	ALaRI Institute, Università della Svizzera italiana - via Buffi, 13 - 6900, Lugano, Switzerland - website: <a href="http://www.alari.ch">www.alari.ch</a> - phone: +41 58 666 4706 - e-mail: <a href="mailto:master@alari.ch">master@alari.ch</a>
Type of business or sector	education, research
Dates	September 2005 - Present
Occupation or position held	tutor
Main activities and responsibilities	tutoring of the online course of Operating Systems
Name and address of employer	DTI, Università degli Studi di Milano - via Bramante, 65 - 26013, Crema (CR), Italy - <a href="http://www.dti.unimi.it">http://www.dti.unimi.it</a>
Type of business or sector	education, research
Dates	January 2007 - June 2007
Occupation or position held	adjoint professor
Main activities and responsibilities	adjoint professor of the Sistemi Elettronici Sicuri (Safe Electronic Systems) MSc course
Name and address of employer	DTI, Università degli Studi di Milano - via Bramante, 65 - 26013, Crema (CR), Italy
Type of business or sector	education, research

Dates	September 2002 - December 2006
Occupation or position held	assistant
Main activities and responsibilities	academic research, teaching (Linux, Computer Architectures), theses tutoring, management of the IT infrastructure, Linux administration
Name and address of employer	ALARI, Università della Svizzera italiana - via Buffi, 13 - 6900, Lugano, Switzerland - website: www.alari.ch - phone: +41 58 666 4706 - e-mail: master@alari.ch
Type of business or sector	education, research

Dates	November 2001 - June 2002
Occupation or position held	teacher in adult-learning courses funded by the European Union
Main activities and responsibilities	teaching Microsoft Office and Internet
Name and address of employer	Istituto Comprensivo Olgiate Comasco - P.za Volta, 4/A - 22070, Olgiate Comasco, Como, Italy
Type of business or sector	education

Dates	January 1996 - May 2005 (occasionally)
Occupation or position held	computer technician
Main activities and responsibilities	computer technician, data entry
Name and address of employer	2 EMME Progetti S.r.l - Via Maestri del lavoro - 21047, Saronno, Varese, Italy
Type of business or sector	design of industrial electrical plants

### 3 Education and Training

Dates	September 2002 - March 2006
Title of qualification awarded	Dottorato di ricerca in Informatica (PhD in Computer Science)
Principal subjects/ occupational skills covered	PhD program in computer science. The PhD thesis was titled <i>A Design Methodology for HW/SW Security Protocols</i> : it was about optimization of architectures and hardware/software interfaces for network security protocols (e.g., IPSec).
Name and type of organization	Università degli Studi di Milano, Milano, Italy - University

Dates	September 2000 - July 2001
Title of qualification awarded	Master of Engineering in Embedded System Design (1-year master)
Principal subjects/ occupational skills covered	System-level, hardware, and software design, specifically targeted for embedded systems.
Name and type of organization	ALaRI Institute, Università della Svizzera italiana, Lugano, Switzerland - University

Dates	September 1995 - June 2002
Title of qualification awarded	Laurea in ingegneria informatica (MSc in computer engineering) - 93/100
Principal subjects/ occupational skills covered	computer engineering, systems automation track. Thesis tile: <i>Security Association Caching Of a Dedicated IPSec Crypto-processor: Dimensioning the Cache and Software Interface</i> .
Name and type of organization	Politecnico di Milano, Milano, Italy - University

Dates	September 1990 - June 1995
Title of qualification awarded	Diploma di perito industriale capotecnico, specializzazione informatica - 58/60
Principal subjects/ occupational skills covered	Computer science, electronics, systems automation, mathematics
Name and type of organization	Istituto Tecnico Industriale Statale Magistri Cumacini, Como, Italy - High school

## 4 Personal Skills and Competences

Mother tongue	Italian
Other languages	
<b>English</b>	Listening: C1/2 (proficient user) - Reading: C1 (proficient user) - Speaking: C1 (proficient user) - Writing: B2 (Independent user)
Social skills and competences	used to work in team in national ad international projects. Good ability to adapt to multicultural environments, gained through my work experience in a highly-international environment. Good communication skills.
Organizational skills and competences	good experience in project management; good experience in IT management.
Technical skills and competences	C/C++, SystemC; security and secure communication protocols (IPSec); operating systems; computer architectures; wireless sensor networks.  Linux server and client administration. Network administration. EDA tools administration (Synopsys, Mentor Graphics, Flexlm license manager).
Artistic skills and competences	He has played guitar since 1988
Other skills and competences	Photography: he has been a photography enthusiast of over 20 years and he participated to a number of personal and collective exhibitions. He has occasionally collaborated with a professional photographer for commercial projects and he is experienced both with photo-retouch and with color management.
Additional information	(Co-)author of about 30 scientific publications in international peer-reviewed journals and conferences.  Since 1999 he has been a member of IEEE and IEEE Communications Society. Since 2006 he has been a member of the IEEE Communications Society Communications and Information Security committee.  Reviewer for a number of journals and conferences; member of the Technical Program Committee of several major conferences such as IEEE ICC (2007 and 2011), IEEE CCNC (2008, 2009, 2010, and 2011), IEEE GLOBECOM (2008), and SECURE (2010, 2011, 2012).  Founding member of OSLab, the competence center on open source software and hardware of Università della Svizzera italiana.

## 5 Annexes

Publication list.
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