



Curriculum Vitae Europass

Personal information

First name, Surname **Brandolese Carlo**

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Nationality Italian

Date of birth March 17, 1970

Gender M

Work experience

Dates 2002 - today

Occupation or position held Academic Researcher

Main activities and responsibilities Research, Teaching, Technical management of EU funded projects

Name and address of employer Politecnico di Milano – P.zza L. Da Vinci, 32 – 20133 Milano

Type of business or sector University

Dates 1998 – today

Occupation or position held Senior research & development consultant

Main activities and responsibilities Research, technical project management, teaching

Name and address of employer CEFRIEL – Via R. Fucini, 2 – 20133 Milano

Type of business or sector ICT Research & Development Centre

Dates 1995-1997

Occupation or position held CAD Engineer

Main activities and responsibilities Design support, FPGA development flow management, Digital design

Name and address of employer Italtel – Castelletto di Settimo Milanese (MI)

Type of business or sector Telecommunication company

Istruzione e formazione

Dates	2009
Title of qualification awarded	Participation to Functional Safety Training course
Principal subjects/occupational skills covered	Functional Safety IEC61508
Name and type of organisation providing education and training	TUV SUD Automotive GmbH
Level in national or international classification	
Dates	1998-2001
Title of qualification awarded	Ph.D. in Information and Automation Technology
Principal subjects/occupational skills covered	Hardware-Software Co-design, System-level synthesis, Embedded software power estimation and optimization
Name and type of organisation providing education and training	Politecnico di Milano – P.zza L. Da Vinci, 32 – 20133 Milano
Level in national or international classification	Ph.D.
Dates	1997-1998
Title of qualification awarded	M.Sc.
Principal subjects/occupational skills covered	Information technology
Name and type of organisation providing education and training	CEFRIEL – Via R. Fucini, 2 – 20133 Milano Politecnico di Milano – P.zza L. Da Vinci, 32 – 20133 Milano
Level in national or international classification	M.Sc.
Dates	1989-1995
Title of qualification awarded	Laurea degree
Principal subjects/occupational skills covered	Microelettronica, optoelettronica, strumentazione elettronica, progettazione digitale Programmazione
Name and type of organisation providing education and training	Politecnico di Milano – P.zza L. Da Vinci, 32 – 20133 Milano
Level in national or international classification	Diploma di Laurea

Personal skills and competences

Mother tongue(s) Italiano

Other language(s)

Self-assessment
European level ()*

English

French

Comprensione				Parlato				Scritto	
Listening		Reading		Spoken interaction		Spoken production			
C2	Advanced	C2	Advanced	C2	Advanced	C2	Advanced	C2	Advanced
B1	Intermediate	C1	Intermediate	A2	Basic	A2	Basic	A2	Basic

Social skills and competences	Good relational skills and good team-working capabilities. Predisposition and experience to operate in the international community.
Organisational skills and competences	Excellent technical management skills. Predisposition for teaching and coordinating lessons, courses and laboratory experiences. Experience in the coordination of Master and Ph.D. students, acquired at Politecnico di Milano and in CEFRIEL.
Technical skills and competences	Digital system design and verification. Hardware and software design-flow management. Software development in the UNIX/Linux environment (C,C++,most common scripting languages). Graphical user interfaces development. Development of prototype EDA tools. Embedded systems software development (C,Assembly). Functional safety analysis techniques (HAZOP, H&RA, FMEA, FMEDA, SCA). Development of safety critical firmware. Mathematical modelling with Matlab. Good knowledge of embedded and real-time operating systems.
Computer skills and competences	Most common programming languages (C98, C++2011, Java, ADA, Prolog, Lisp, Assembly). Popular development libraries (Boost, Qt, LINPACK, LAPACK). Hardware description languages (VHDL, Verilog, basic of SystemC). Mathematical and numerical modeling (Matlab, Mathematica). Most common hardware and software SKDs (Xilinx ISE & EDK, Altera Quartus, Lattice, Synopsys, Synplicity, TI Code Composer, Freescale CodeWarrior, Keil, Windriver VxWorks, RTX).
Artistic skills and competences	Oil painting, computer graphics, technical writing
Other skills and competences	
Driving licence	B, Nautical

Additional information

Annexes