Europass Curriculum Vitae

Personal information

Surname(s) / First name(s)	**Marinoni Mauro**
Email(s)	m.marinoni@santannapisa.it
Nationality(-ies)	Italian
Date of birth	15 November 1977
Gender	Male

Occupational field

Information and Communication Technology (ICT)

Work experience

Dates	September 2009 →
Occupation or position held	Assistant Professor
Main activities and responsibilities	Since July 2012: Leader of the "Resource Management" area at the ReTiS Laboratory. Since 2013: Committee member of the Graduate Programme in Computer Science and Engineering and member of the Scientific board of the "Emerging Digital Technologies" Ph.D.
Name and address of employer	Scuola Superiore Sant'Anna - Piazza Martiri della Libertà, 33 - 56127 Pisa - Italy
Type of business or sector	Research Organization - University

Dates	April 2007 - August 2009
Occupation or position held	Postdoctoral researcher
Main activities and responsibilities	Analysis and development of power-aware scheduling algorithms and energy-management kernel mechanisms for real-time embedded systems.
Name and address of employer	TeCIP - Scuola Superiore Sant'Anna - via Moruzzi, 1 - 56127 Pisa
Type of business or sector	Research Organization - University

Dates	November 2006 - April 2007
Occupation or position held	Software development for microcontrollers
Main activities and responsibilities	Completion of the porting of the Erika Enterprise OSEK/VDX kernel for Microchip 16-bit microcontrollers and development of the Board Support Package for the Flex board.
Name and address of employer	Evidence s.r.l. - Via Carducci 64/A - 56010 S.Giuliano Terme (PI)
Type of business or sector	Real-time embedded systems

Dates	June 2003 - October 2003
Occupation or position held	Development of an embedded system
Main activities and responsibilities	Hardware e Software development of an hexapod.
Name and address of employer	DIS - Università degli studi di Pavia - Via Ferrata, 1 - 27100 Pavia
Type of business or sector	Research Organization - University

Education and training

Dates	November 2003 - October 2006
Title of qualification awarded	Ph.D in Computer Engineering

Name and type of organization providing education and training	Università degli Studi di Pavia
Level in national or international classification	Doctor of Philosophy (ISCED Level 8 - Field 061)
Dates	September 1996 - July 2003
Title of qualification awarded	Master degree in Computer Engineering (B.Sc. and M.Sc.)
Finale grade	110/110
Name and type of organization providing education and training	Università degli Studi di Pavia
Level in national or international classification	Master degree (ISCED Level 7 - Field 061)
Dates	September 1991 - July 1996
Title of qualification awarded	Diploma di Perito Industriale Capotecnico in Informatica
Finale grade	56/60
Name and type of organization providing education and training	Istituto Tecnico Industriale Statale “G. Cardano”- Pavia
Level in national or international classification	Technical High School (ISCED Level 3)

Personal skills and competences

Mother tongue(s)
Altra/e lingua/e

Italian

Self-assessment
European level(*)

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Inglese				
B2 Independent user	C1 Proficient user	C1 Proficient user	B2 Independent user	C1 Proficient user

(*) *Common European Framework of Reference (CEF) level*

Organisational skills and competences

Participation in various regional, national and European research projects dealing with both the scientific part and the technical documentation for reporting. In particular:

- *RETINA*: European project founded by the Eurostars Programme to develop a software tool set that provides time-critical, predictable and reliable communication for automotive applications in heterogeneous systems and networks.
- *JUNIPER*: (*Local coordinator*) European project funded by the Seventh Framework Programme (FP7) focused on increasing performances and enforcing timing Constraints for applications dealing with large data streams (BigData).
- *PREDATOR*: European project funded by the Seventh Framework Programme (FP7) with the aim of improving the predictability of real-time systems with the main focus on the avionic and the automotive industries.
- *ASCOLTA*: Project funded by the Tuscany Region for the creation of a suitable infrastructure aimed at remote monitoring of vital parameters in patients suffering from heart failure.

Project Manager in subcontracts with regional and national companies for technology transfer activities.

Managerial skills and competences

Cofounded in February 2013 BioCare Provider s.r.l., and remained parter till its acquisition by Camlin Group Ltd. in February 2018. The company uses the most modern web and mobile technologies to improve adherence to therapies, and it is accredited as a spin-off both at the Scuola Superiore Sant’Anna and the University of Pisa.

Technical skills and competences

Participation in the *technical program committee (TPC)* of international conferences such as JRWRTC 2011, ETFA 2012, MCSoC 2012, SIES 2014 (WiP chair), RTAS 2015, SIES 2015, SIES 2016, SIES 2017, SIES 2018, RTcMAS 2018.
Reviewer for technical journals such as *Real-Time Systems Journal*, *Journal of the ACM*, *Journal of Systems Architecture*, *Journal of Computer and System Sciences*, *Transactions on Industrial Informatics*, *Transactions on Cyber-Physical Systems*, *Transactions on Big Data*, , *Transactions on Embedded Computing Systems*, *Computer Networks*, *Journal on Emerging and Selected Topics in Circuits and Systems*, and *MDPI Sensors*.

Teaching experience

A.Y. 2016-2017 and A.Y. 2017-2018: Projectual course of *Real-Time Software Development* in the Emerging Digital Technologies Ph.D at the Scuola Superiore Sant'Anna of Pisa.
A.Y. 2016-2017 and A.Y. 2017-2018: Module of the course of *Embedded Systems* within the Master of Science in Embedded Systems at the University of Pisa.
A.Y. 2015-2016, A.Y. 2016-2017, and A.Y. 2017-2018: Module of the course of *Component-based System Design* within the Master of Science in Embedded Systems at the University of Pisa.
A.Y. 2013-2014, A.Y. 2014-2015, and A.Y 2015-2016: Module of the course of *Industrial Applications* within the Master of Science in Embedded Systems at the University of Pisa.
A.Y. 2012-2013, A.Y. 2013-2014, and A.Y. 2014-2015: Course of *Embedded Systems Laboratory* within the Master of Science in Embedded Systems at the University of Pisa.
A.Y. 2010-2011, A.Y. 2011-2012, and A.Y. 2012-2013: Course of *Embedded Systems Laboratory* for Allievi Ordinari and Ph.D. students at the Scuola Superiore Sant'Anna of Pisa.
A.Y. 2010-2011: Support for the course of *Embedded System Design* for Allievi Ordinari and Ph.D. students at the Scuola Superiore Sant'Anna of Pisa.

Participation as a lecturer to the 2 editions of the Master "Smart Solutions – Smart Communities (SSSC)" organized by Scuola Sant'Anna in collaboration with Telecom Italia.
Participation as a lecturer to the Master "Digital Life & Smart Living (SMART)" organized by Scuola Sant'Anna in collaboration with Telecom Italia.

Participation as a lecturer and head of the laboratory at different Summer Schools organized by the European Network of Excellence ARTIST DESIGN and sponsored by Microchip Technology Inc.

- June 2011: ARTIST Graduate School on RT Kernels for Microcontrollers.
- June 2010: ARTIST Graduate School on RT Kernels for Microcontrollers.
- June 2009 ARTIST Graduate Course on Embedded Control Systems.
- June 2008: Real-Time Kernels for Microcontrollers: Theory and Practice.
- March 2007: Real-Time Microcontroller Systems: OSEK Standard and experiments on μcontroller devices.
- July 2006: First European Laboratory on Real-Time and Control for Embedded Systems

Driving licence

Car driving licence (Patente B)

Publications

Scientific pubblications

Publication of more than 50 papers in journals or peer-reviewed conference proceedings with an h-index of 12, computed by Google Schoolar.
The Scopus profile has an h-index of 9, including 46 documents with 314 citations, and is available online at https://www.scopus.com/authid/detail.uri?authorId=7003668303.

Patent	Brondi Raffaello, Bannò Filippo, Bendinelli Sara, Sernissi Francesca, Castelli Christian, Mancina Antonio, Sartiano Daniele, Mauro Marinoni, *"Dispositivo e procedimento di compliance farmacologica"*, Italian Patent application No.PI2012A000098 (September 20, 2012) and Italian patent N.1414455 (March 10, 2015).