



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) Marco Sartore

Address(es) -

Telephone(s)

Fax(es)

E-mail

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Nationality

Date of birth 24/05/1964

Gender

**Desired employment /
Occupational field** Bioelectronics and Biophysics field

Work experience

Dates 1999 →

Occupation or position held Associate in Elbatech Board of Trustee, Project leader in the bioelectronics field

Contract Professor at the University of Genova

Research activity with:

- the University of Glasgow, Department of Engineering
- the University of Genova, Department of Informatics, Bioengineering, Robotics and Systems Engineering
- the National Council of Research, base of Sesto Fiorentino

Main activities and responsibilities Design and realization of electronic equipment, analog and digital electronics, firmware, software and board design

Name and address of employer Elbatech Srl, via Roma, 10 – 57030 Marciana (LI)

Type of business or sector	Bioelectronics and information technology 1992-1996
	Laboratory Head in Scanning Probe Microscopy field Technobiochip, Via della Marina – 57030 Marciana (LI)
	Bioelectronic field 1996-1999
	Senior Researcher and Laboratory Head in SPM field and Neural Network applications
	PNB-PST Elba, Via Roma 28 – 57030 Marciana (LI) Bioelectronics and Neural Networks
	2015-2016 Institute of Biophysics National Council of research Genova Cooperation
	2019 Institute of Biophysics National Council of research Pisa Research contract
	2020-22 Contract Professor at the University of Genova

Education and training

Dates	1992
Title of qualification awarded	PhD in Biophysics
Principal subjects/occupational skills covered	Potentiometric biosensors and cellular metabolic activity detection, via pH monitoring
Name and type of organisation providing education and training	University of Genova, Institute of Biophysics
	1989 Laurea degree in Electronic Engineering University of Genova, D.I.B.E, Via All'Opera Pia 11A, 16145 Genoa
	1983 Secondary School diploma Maturità Classica Liceo G.D. Cassini, corso Cavallotti, 18038 Sanremo (IM)

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s)

Self-assessment

European level (*)

English

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		
B2	C2	C1	C1	C2	

French		A1		A1		A1		A1		A1
	(*) Common European Framework of Reference for Languages									
Social skills and competences	Ability to work in groups, matured in many situations in which it was essential the cooperation between different figures and different operative modalities									
Organisational skills and competences	Ability to work in multidisciplinary ambients and with a multidisciplinary approach, also as a team leader									
Technical skills and competences	Expert in electronics design especially in embedded systems Expert in Digital Microcontroller design and firmware Expert in bioelectronics mainly in Scanning Probe Microscopy Expert in software design and development Expert in the development and managing of sensors and biosensors									
Computer skills and competences	Good knowledge of Linux and Windows operating systems Excellent knowledge of many software programming languages and development systems Excellent knowledge of firmware development systems, including microcontrollers and Digital Signal Processors Excellent knowledge of content management system (CMS) web design, also with PHP, Java and Javascript									
Artistic skills and competences	Scuba 3-stars CMAS instructor, Marine Biology instructor, all-year-long diver									
Other skills and competences	Co-author of books and articles in bioelectronics and other fields									
Driving licence	Driving licence A, B.									
Additional information	Good level photographer (land and underwater)									

Among the most recent publications:

João Mouro, Paolo Paoletti, **Marco Sartore**, Massimo Vassalli and Bruno Tiribilli, "Photothermal Self-Excitation of a Phase-Controlled Microcantilever for Viscosity or Viscoelasticity Sensing", *Sensors* 2022, 22, 8421. <https://doi.org/10.3390/s22218421>.

M. Sartore et al., MicroSolutions, "A Quartz Crystal Microbalance Based on a dsPIC ® Digital Signal Controller", Mar-Apr 2018, pagg. 22-24

M. Sartore et al., MicroSolutions, "Extending a RaspberryPi Mini PC with real-time capabilities for advanced Atomic Force Microscopy applications", Jan-Feb 2016, pagg. 25-26

Nicolini C., Adami M., **Sartore M.**, Bragazzi N., Bavastrello V., Spera R., Pechkova E. Prototypes of Organic and Biological Sensors of New Conception for Health and Environment (2012). *Sensors*, 12(12), 17112-17127, 2012

Sartore M., Eggenhoffner R., Bezerra Correia Terencio T., Stura E., Hainsworth, LaBaer J., Nicolini C., Label-free detection of NAPPA via atomic force microscopy, in *Functional Proteomics and Nanotechnology-based Microarrays*, (Eds. Nicolini C., LaBaer J.) Pan Stanford Series on Nanobiotechnology, Singapore, Volume 2, Chapter 6, pp. 109-120, 2010.

Adami M., Sallam S., Eggenhoffner R., **Sartore M.**, Hainsworth E., LaBaer J., Nicolini C., Label-free NAPPA via nanogravimetry, in *Functional Proteomics and Nanotechnology-based Microarrays*, (Eds. Nicolini C.,

LaBaer J.) Pan Stanford Series on Nanobiotechnology, London – New York – Singapore, Volume 2, Chapter 4, pp. 95-108, 2010

Pechkova E., **Sartore M.**, Giacomelli L., Nicolini C., Atomic force microscopy of protein films and crystals, Review of Scientific Instruments 78, 093704_1-093704-7, 2007.

Adami M., **Sartore M.**, Nicolini C., A potentiometric stripping analyzer for multianalyte screening, Electroanalysis 19, 1288-1294, 2007.

M.Sartore, R. Pace, P. Faraci, D. Nardelli, M. Adami, M.K. Ram and C. Nicolini, "A controlled atmosphere chamber for Atomic Force Microscopy investigations", Review of Scientific Instruments, 71,1-5, 2000.

M.Sartore, R. Pace, P. Faraci, D. Nardelli, M. Adami, M.K. Ram and C. Nicolini, "A controlled atmosphere chamber for Atomic Force Microscopy investigations", Review of Scientific Instruments, 71,1-5, 2000.

Sartore M., Pace R., Faraci P., Nardelli D., Adami M., Ram M.K., Nicolini C., Controlled-atmosphere chamber for atomic force microscopy investigations, Review of Scientific Instruments 71,2409-2413, 2000.

M.K. Ram, M.Adami, **M. Sartore**, M. Salerno, S. Paddeu, C. Nicolini , "Comparative studies on Langmuir-Schaefer films of polyanilines", Synthetic Metals, 100, (1999), 249-259.