



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s) **Francesco Faita**

Address(es)

Telephone(s)

Mobile:

E-mail

Nationality

Place and Date of birth

Gender

### Work experience

Italian National Research Council data

Occupation or position held

2011-present Scientific advisor at Quipu Srl

2010-present Permanent research position at Institute of Clinical Physiology – Italian National Research Council

2008-2010 Permanent research position at Tuscany Foundation “G. Monasterio”

2002-2008 Research grant at the Techno-Science Department of the Institute of Clinical Physiology – Italian National Research Council

2005-2008 Teacher on “Trattamento di Immagini Biomediche”, Faculty of Mathematical, Physics and Natural Sciences - Pisa University

2001 Teacher on Mathematics and Informatics at CIOFS

Main activities and responsibilities

Scientific coordinator of the project: “Ultrasound extended field-of-view”

Scientific coordinator of the project: “Development of a new system for the carotid intima-media thickness assessment”

Scientific coordinator of the project: “Ultrasound elastography”

Member of the working group of the project: “Automatic evaluation of the brachial flow mediated dilation”

Member of the working group of the project: "Automatic assessment of the arterial distension"  
 Scientific coordinator of the working group on "Experimental Cardiovascular Ultrasound" for the project "Train the Brain"  
 Scientific coordinator of the Experimental Ultrasound Laboratory  
 Scientific coordinator of the project: "High-Frequency Ultrasound" in collaboration with Fujifilm Visualsonics  
 Scientific coordinator of the WP on "Cardiovascular Biomarkers" for the project CISAS  
 Member of Institute Council at Institute of Clinical Physiology  
 Scientific collaborator for the H2020 projects: EDIT, MgSafe  
 Scientific collaborator for the Regional projects: INSIDE, NANOCUBE, AIRCARDIO  
 Scientific collaborator for the project PREVISION founded by Fondazione Caripisa  
 Member of the Steering Committee of the Melanoma & Skin Cancer Unit (Tuscany Region)  
 Scientific coordinator of the project: "Development of an expert system based on the processing of ultrasound images for the monitoring of HCV infection progression" in collaboration with Gilead

## Education and training

Title of qualification awarded

2015 PhD in Automation, Robotics, Bioengineering at Leonardo Da Vinci School, Pisa University  
 2001 Electronic Engineering Degree from Engineering Faculty, Pisa University  
 1992 Secondary school with an emphasis on sciences (A. Pacinotti, 60/60)

Principal subjects/occupational skills covered

DSP, microcontrollers and PC-CPU programming  
 Development of motion detection, edge detection and contour tracking algorithms  
 Experimental and clinical cardiovascular models study  
 Development of models for the evaluation of the cardiovascular risk factors  
 Signals, image and video processing techniques  
 Real-time ultrasound image processing  
 Design and development of biomedical devices and instrumentation  
 Development of clinical decision support systems

## Personal skills and competences

Mother tongue(s) Italian

### Languages

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
<b>English</b>	4	4	4	4	4
<b>German</b>	2	2	2	2	2
<b>French</b>	2	2	2	2	2

## Communication Skills

Good communication skills gained through my experience as speaker at international scientific conferences

## Managerial Skills

Leadership (currently responsible for a team of 4 people)

Project management skills gained as scientific coordinator and co-investigator of international scientific projects

**Other Skills**

Driving license "B" – Scuba license "Dive Master"

**Digital competence**

**Self-assessment**

Information processing	Communication	Content creation	Safety	Problem solving
Proficient	Proficient	Proficient	Independent	Proficient

**Programming languages**

Pascal, Fortran, Assembly, C, C++, Visual Basic, Matlab, VHDL, UML, Python, Qt, Java

**Office automation packages**

Microsoft Word, Microsoft Excel, Microsoft Access, Microsoft Powerpoint

**Scientific packages**

Spice, Mathematica, Orcad, P-cad, LabView, Code Composer Studio Texas Instruments, Visual Studio, ImageJ, Mipav, SPSS, RapidMiner, Seg3D, SimVascular, Code Versioning Systems (Git, SVN)

**Operating systems**

Mac OS X, Linux, Unix, MS-DOS, Windows (95, 98, ME, 2000, XP, NT, 7, 8, 10)

**International Awards**

"Honorable mention poster award" for the paper "Ultrasound assessment of endothelial function in real-time" presented at SPIE International Symposium Medical Imaging, San Diego (USA), 12-17 February 2005

**International Conference**

IEEE – Eurasip Workshop on Nonlinear Signal and Image Processing – June 8-11, 2003, Grado – Italy

IEEE & TI's – The European DSP Education and Research Symposium – November 16, 2004, Birmingham, UK

SPIE International Symposium on Medical Imaging – February 12-17, 2005, San Diego, USA

IEEE International Conference of the Engineering in Medicine and Biology Society – August 30 – September 3, 2006, New York, USA

II Florentine Medical East-West Symposium – December 2-7, 2006, Firenze, Italy

Artery 7 – September 14-15, 2007, Praha, Czech Rep.

SPIE International Symposium on Medical Imaging – February 16-21, 2008, San Diego, USA

Artery 8 – September 25-27, 2008, Gent, Belgium

13th ECCR Meeting 2008 – Ottobre 10-12, 2008, La Colle sur Loup, Francia

19th European Meeting on Hypertension, - June 12-16, 2009, Milan, Italy

Artery 9 – September 10-12, 2009, Cambridge, UK

20th European Meeting on Hypertension, - June 18-21, 2010, Oslo, Norway

Artery 10 – October 17-19, 2010, Verona, Italy

26th Annual Scientific Meeting of the American Society of Hypertension, May 21-24, 2011, New York, USA

21th European Meeting on Hypertension, - June 17-20, 2011, Milan, Italy

Artery 11 – October 13-15, 2011, Paris, Frances

22th European Meeting on Hypertension, - April 26-29, 2012, London, UK

Artery 12 – October 18-20, 2012, Vienna, Austria

23th European Meeting on Hypertension, - June 14-17, 2013, Milan, Italy

Artery 13 – October 17-19, 2013, London, UK  
EuroEcho 2013 – December 11-14, 2013, Istanbul, Turkey  
SPIE International Symposium on Medical Imaging – February 15-20, 2014, San Diego, USA  
24th European Meeting on Hypertension, - June 13-16, 2014, Athens, Greece  
Artery 14 – October 9-11, 2014, Maastricht, The Netherlands  
25th European Meeting on Hypertension, - June 12-15, 2015, Milan, Italy  
Artery 15 – October 15-17, 2015, Krakow, Poland  
Arterial Hemodynamics: past, present and future – June 14-15, 2016, London, UK  
Artery 16 – October 13-15, 2016, Copenhagen, Denmark  
SPIE International Symposium on Medical Imaging – February 11-16, 2017, Orlando, USA  
Artery 17 – October 12-14, 2017, Pisa, Italy  
Int Symp BIOMARKERS FOR PERSONALIZED HEPATOLOGY – May 30, June 1, Pisa, Italy  
Artery 18 – October 18-20, 2018, Guimaraes, Portugal  
Medical Imaging with Deep Learning (MIDL) 19 – July 8-10, 2019, London, UK  
Artery 19 – October 10-12, 2019, Budapest, Hungary

## Publications

Summary:  
Total number (CINECA/Scopus/Pubmed/ISI): 158  
Total Impact Factor (JCR): 194  
h-index (source: Google Scholar): 21

## Annexes

08 October 2021

Acconsento al trattamento dei miei dati personali ai sensi del D.lgs. 196/2003 "Codice in materia di protezione dei dati personali"