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	
English	4	4	4	4	4
German	2	2	2	2	2
French	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

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

Self-assessment

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, Kracow, 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"