

Curriculum vitae

Personal Information

Name **Federica Censi**

Working experience

Date	May 2002 – today
Position	Research manager
Institution	Istituto Superiore di Sanità, Viale Regina Elena 299, 00161 Roma, Italy
Principal activities	Biomedical signal processing, genetic data analysis, design and implementation of telemedicine devices, electromagnetic compatibility of medical devices, contract teaching at Sapienza University and the University of Rome TRE Faculty of Engineering, consultancy for international cooperation projects by the Ministry of Foreign Affairs. Expert in the regulation of electromedical devices, at national and international level. Teacher of numerous training and information courses in the institutional field, at health companies and/or public and private health facilities.

Date	March 1998 – March 2001
Position	PhD Student
Institution	Università di Bologna, Bologna
Principal activities	Development of experimental setups for biomedical research, supervisor of clinical protocols

Date	October 1996 – March 1998 .
Position	Design Engineer
Institution	Telecom Italia, Viale Egeo, Roma
Principal activities	Telecommunication systems designer

Education

Date	March 2001
Institution	Università degli studi di Bologna
Course	PhD program
Topic	Nonlinear analysis of signals of cardiovascular interest

Date	1999
Institution	ADVANCED TRAINING COURSE METHODS FOR ANALYSIS OF BIOMEDICAL SIGNALS AND IMAGES
Course	IMAGES
Topic	Signal processing techniques for the analysis of biomedical data and images

Date	October 1997
Institution	(CEFRIEL) Centro di Eccellenza per l'Innovazione, la Ricerca e la Formazione nel settore dell'Information & Communication Technology
Course	Master in networking
Topic	Technical and experimental analysis and evaluation of telecommunication technologies

Date	July 1996
Institution	Università degli Studi di Roma "La Sapienza"
Course	Degree in Electronic Engineering (summa cum laude)
Topic	Multi-signal acquisition, signal processing

Academia and teaching

Teaching and courses Contract teaching at the University of Rome 'La Sapienza' and the University of Rome TRE, in the field of biomedical instrumentation and biomedical engineering – from academic year '2000-'2001 – 'to academic year 2012-2013

Master's lecturer at the University of Rome 'La Sapienza' and the University of Tor Vergata, in the field of biomedical signal processing and electromagnetic compatibility of medical devices

Lecturer in courses for scientific societies and public and private entities, in the field of telemedicine, regulation of medical devices, electromagnetic compatibility, technological evolution

Bachelor's and PhD Thesis Co-supervisor of more than 50 degree theses at Facoltà di Ingegneria - Università degli studi di Roma 'La Sapienza' and Facoltà di Ingegneria, Università degli studi "Roma Tre", a.a. '2000-'2001 – 'a a.a. 2012-2013

Co-supervisor of PhD thesis in Bioengineering

Scientific activities

Reviewer for international journals IEEE Transaction of Biomedical Engineering, Physiological measurement, Medical and Biological Engineering and Computing, Pacing and cardiovascular electrophysiology, IEEE-EMB Magazine, Biological Cybernetics, Methods of Information in Medicine, Biomedical signal processing and control

Main research projects 2003 - Risks arising from exposure to electromagnetic fields for patients with implantable medical devices: thermal and non-thermal effects
2005 - CASE project: Post-stroke care continuity
2006 –Clear European project
2007 – FILAS Carisma project: Portable medical device for the automatic detection of cardio-respiratory events with telemonitoring service
2012 – Young researchers' finalized research project 2011-2012 - Risk score of developing post-operative atrial fibrillation
2016 - BRIC INAIL project (Collaborative Research Call) – “Web tools to assist in the assessment of risk from exposure to electromagnetic fields - also in reference to wearers of active implantable medical devices and artificial optical radiation”
2019 - BRIC INAIL project (Collaborative Research Call) – “Development of tools and methods for the assessment and management of risk arising from exposure to electromagnetic fields
electromagnetic fields for the protection of workers with wearable and implantable medical devices”
2020 – European Project AFFIRMO
2022 - BRIC INAIL Project (Collaborative Research Call) – “Evaluation and management of the risk arising from exposure to new sources of electromagnetic fields for the protection of workers with active implantable medical devices”
2023 – Joint Action Cardiovascular Diseases and Diabetes - JACARDI

Scientific publications Author of more than 170 scientific publications in national and international journals.
H-index=22

Roma, September 19th, 2024

Federica Censi