	Short curriculum vitae et studiorum Danilo Pani. Ph.D.
Current working position	danilopani.it
Since Nov 30th 2019	Associate Professor of Biomedical Engineering - SSD: ING-INF/06 (09/G2 - Bioengineering)
	University of Cagliari, Italy
	Department of Electrical and Electronic Engineering
21/07/2021 – today	Vice-Director of the Department of Electrical and Electronic Engineering, University of Cagliari, Italy
Since February 13th 2023	National scientific qualification to Full Professor, 09/G2 Bioengineering
Education	Dh.D. in Electronic and Computer Engineering University of Continui Italy
October 31 st 2002	Ph.D. In Electronic and Computer Engineering – University of Cagliari, Italy M.Sc. in Electronic Engineering Magna cum laude – University of Cagliari, Italy
Scientific Profile	
	My research activity is focused on medical devices, biomedical signal processing, and machine learning. In particular: Cardiac electrophysiology and non-invasive fetal ECG, wearable electronics for electrophysiological signals monitoring, telemedicine systems design, neural engineering and neuromotor rehabilitation. I'm the head of the Medical Devices and Signal Processing (MeDSP) Lab – http://www.medsp.it
Other commitments	
Since 2022	Member of IEEE EMB TC on Therapeutic Systems and Technologies (TST)
Since 2015 Since 2013	Italian Expert in the Technical Committee 251 of CEN, Working Group 2 Appointed expert for the Department of Electrical and Electronic Engineering in the UNINEO commission
	(UNI federated agency for the unification in the information technologies and their applications) for the
0040.0004	Health Informatics
2018-2021 From 2017 to 2018	Member of the Board of Directors of the Italian association National Bioengineering Group (GNB) Member of the Board of the National Bioengineering Group
2018-2022	Co-founder and treasurer of the IEEE Sensors Council Italy Chapter
2016-2023	Member of the Independent Ethics Committee of the University Hospital of Cagliari as expert (clinical
From 2019 to 2021	engineering for medical-surgical studies involving medical devices). Italian expert for the work aroun in charge of the ISO WD 13131 Health Informatics - Telehealth services -
	Quality planning guidelines
From 2013 to 2020	Italian expert for the work group in charge of the revision of the standard EN 1064:2005+A1:2007 Health informatics – Standard communication protocol – Computer-assisted electrocardiography (SCP-ECG)
Affiliations	
Affiliations Since 2019 Since 2019	Member of GNB – Gruppo Nazionale di Bioingegneria Member of SIAMOC – Società Italiana di Analici del Movimento in Clinica
Affiliations Since 2019 Since 2019 Since 2013	Member of GNB – Gruppo Nazionale di Bioingegneria Member of SIAMOC – Società Italiana di Analisi del Movimento in Clinica Appointed expert for the Department of Electrical and Electronic Engineering of the University of Cagliari in
Affiliations Since 2019 Since 2019 Since 2013	Member of GNB – Gruppo Nazionale di Bioingegneria Member of SIAMOC – Società Italiana di Analisi del Movimento in Clinica Appointed expert for the Department of Electrical and Electronic Engineering of the University of Cagliari in the UNINFO commission (UNI federated agency for the unification in the information technologies and their
Affiliations Since 2019 Since 2019 Since 2013	Member of GNB – Gruppo Nazionale di Bioingegneria Member of SIAMOC – Società Italiana di Analisi del Movimento in Clinica Appointed expert for the Department of Electrical and Electronic Engineering of the University of Cagliari in the UNINFO commission (UNI federated agency for the unification in the information technologies and their applications) for the Health Informatics UEEE Member (Institute of Electrical & Electronics Engineers) (IEEE Member Number: 80102160)
Affiliations Since 2019 Since 2019 Since 2013 Since 2005 Since October 1st, 2003	Member of GNB – Gruppo Nazionale di Bioingegneria Member of SIAMOC – Società Italiana di Analisi del Movimento in Clinica Appointed expert for the Department of Electrical and Electronic Engineering of the University of Cagliari in the UNINFO commission (UNI federated agency for the unification in the information technologies and their applications) for the Health Informatics IEEE Member (Institute of Electrical & Electronics Engineers) (IEEE Member Number: 80102160) Member of the Engineers Association of the Province of Cagliari (section A, n° bulletin board 5339)
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Prizes and awards	
2023	BIODEVICES 2023 - Best poster award for "A Modular BLE-Based Body Area Network Embedded into a
2022	AIIC AWARDS2022 - INNOVAZIONE, PROCESSI, PRODOTTI, SERVIZI: Danilo Pani (Università degli studi di Cagliari) with "Domomea: la teleriabilitazione domiciliare per il paziente post-lctus"
2019	IEEE Senior member upgrade
2018	BIOSIGNALS 2018 – Best poster award per il paper "Adaptive Filtering for Electromyographic Signal Processing in Scoliosis Indexes Estimation"
2016	XVII SIAMOC 2016 Congress – Best methodological work for "Identificazione del centro di rotazione della spalla tramite sensori magneto-inerziali"
2015	DASIP 2015 – Best paper award per l'articolo "Exploring Custom Heterogeneous MPSoCs for Real-Time Neural Signal Decoding"
2013	Biodevices 2014 – Best student paper award (first author: Nicola Carta) per l'articolo "VLSI Wavelet Denoising of Neural Signals, Critical Appraisal of Different Algorithmic Solutions for Threshold Estimation"
2008	Computers in Cardiology 2008 – 35° annual Conference: Best Poster Presentation award to Danilo Pani for the poster related to the paper "A DSP Algorithm and System for Real-Time Fetal ECG Extraction"
2005	ATMEL DSP Design Contest 2005, second prize, "Real-time Blind Source Separation (BSS) of signal
	mixtures on DIOPSIS 740 platform".
Invited talks, lectures, and seminars	mixtures on DIOPSIS 740 platform".
Invited talks, lectures, and seminars	mixtures on DIOPSIS 740 platform". 12 invited talks and lectures in national and international contexts.
Invited talks, lectures, and seminars Current teaching activity	mixtures on DIOPSIS 740 platform". 12 invited talks and lectures in national and international contexts. All the details for the more recent years available at <u>danilopani.it</u>
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