

## MIMMA NARDELLI – Curriculum Vitae

- **Personal Information**

Date of Birth: 31/07/1986

Nationality: Italian

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Scopus ID: 55734951300

- **Current Position**

October 2021 – ongoing: Assistant Professor, Dipartimento di Ingegneria dell'Informazione, University of Pisa (UNIFI), Pisa, Italy

- **Previous Positions**

December 2016 - September 2021: Post-doctoral Researcher, Research Center "E.Piaggio", UNIFI

- **Education**

- January 2017: PhD in Information Engineering, Dipartimento di Ingegneria dell'Informazione, UNIFI

- November 2015 - May 2016: Visiting Fellow at Biomedical Signal Interpretation and Computational Simulation (BSICoS) Group, Aragón Institute of Engineering, University of Zaragoza, Zaragoza, Spain

- March 2013 - October 2013: Research fellow at Research Center "E. Piaggio", UNIFI

- December 2012: Master's in Biomedical Engineering, UNIFI

- **Responsibility/collaboration in national and international grants**

- September 2023-ongoing Scientific coordinator of MOONSHINE (ProMOTing and mOdelliNg phySiological syncHronization In iNfertile couplEs), PRIN (Project of Relevant National Interest) funded by Italian Ministry of University and Education. Dipartimento di Ingegneria dell'Informazione, UNIFI

- May 2021 - September 2021: Research collaborator in NEWDEM - Innate immune response in demented patients. Lymphocytes as a potential tool for new biomarkers, project funded by the Tuscany region, Dipartimento di Medicina Clinica e Sperimentale, UNIFI

- January 2019 – ongoing: Research collaborator in POTION (Promoting social interaction through emotional body odours), European Commission Collaborative Project no 824153 funded under H2020-EU.1.2.2. - FET Proactive. Research Center "E.Piaggio", UNIFI

- January 2016 -September 2020: : Research collaborator in NEVERMIND (NEurobehavioural predictiVE and peRsonalised Modelling of depressIve symptoms duriNg primary somatic Diseases with ICT-enabled selfmanagement procedures) European Commission Collaborative Project no 689691 funded under H2020- EU.3.1.4. Research Center "E.Piaggio", UNIFI

- March 2016 - February 2020: Research collaborator in SoftPro (Synergy-based Open-source Foundations and Technologies for Prosthetics and RehabilitatiOn), European Commission Collaborative Project no 688857 funded under H2020-EU.2.1.1. Research Center "E.Piaggio", UNIFI

- March 2013 - August 2017: Research collaborator in WEARHAP (Wearable Haptics for Humans and Robots), European Commission Collaborative Project no. 601165, funded under FP7-ICT. Research Center "E.Piaggio", UNIFI

- **Teaching activity (School of Engineering, University of Pisa)**

- October 2021 – ongoing: Lecturer of the course "Biometrics systems" (Master's in Cybersecurity, UNIFI)

- February 2021 – ongoing: Lecturer of the course “Affective Computing” (Master’s in Bionics Engineering, UNIPI and Sant'Anna School of Advanced Studies).
- February 2023-ongoing: Lecturer of the course “Artificial Intelligence and Machine Learning Applied to Medicine (Master's in Medicine and Surgery, UNIPI)
- February 2023-ongoing: Lecturer of the course “Instrumentation and Biotechnology for Adapted Motor and Sport Activities (Master's in Sciences and Techniques of Preventive and Adapted Motor Activities, UNIPI)
- February 2019 - September 2020: Teaching assistant of the course “Affective Computing” (Master’s in Bionics Engineering, UNIPI and Sant'Anna School of Advanced Studies)
- October 2017 - February 2018: Teaching assistant of the course “Signal Theory” (Bachelor’s in Biomedical Engineering, UNIPI)

- **International Scientific Committees**

- May 2024 - October 2024: Program committee member of the 13<sup>th</sup> Conference of the European Study Group on Cardiovascular Oscillations (ESGCO), Zaragoza, Spain, October 23<sup>rd</sup>-25<sup>th</sup>
- February 2019 - July 2020: Program committee member and local organizing committee chair of the 11<sup>th</sup> Conference of the European Study Group on Cardiovascular Oscillations (ESGCO), Pisa, Italy, April 27<sup>th</sup>-29<sup>th</sup>, 2020 (held virtually on July 15, 2020).

- **Editorial Activity**

- May 2018 – ongoing: Associate editor of Nature - Scientific Reports (ISSN 2045-2322, Section Biomedical Engineering)
- October 2020 – February 2023: Guest Editor of “Advances in Wearable Photoplethysmography Applications in Health Monitoring”, a Special Issue of Sensors, MDPI (ISSN 1424-8220)
- April 2020 - April 2021: Guest Editor of "Advances in Multivariate Physiological Signal Analysis", a Special Issue of Bioengineering, MDPI (ISSN 2306-5354).
- April 2020 – ongoing: Review Editor in the Editorial Boards of: Information Theory (specialty section of Frontiers in Network Physiology); Human-Media Interaction (specialty section of Frontiers in ICT, Frontiers in Psychology, Frontiers in Digital Humanities and Frontiers in Computer Science); Autonomic Neuroscience (specialty section of Frontiers in Neuroscience, Frontiers in Physiology and Frontiers in Neurology).
- January 2016 – ongoing: Reviewer in: PLOS ONE, Computers in Biology and Medicine, Biocybernetics and Biomedical Engineering, Biomedical Signal Processing and Control, Biosensors (MDPI), Complexity (Hindawi)

- **National and international acknowledgment**

- May 2018: FEATURED ARTICLE and FRONT COVER : Nardelli, M., Greco, A., Bolea, J., Valenza, G., Scilingo, E. P., & Bailón, R. (2017). Reliability of Lagged Poincaré Plot Parameters in Ultrashort Heart Rate Variability Series: Application on Affective Sounds. IEEE journal of biomedical and health informatics (JBHI), 22(3), 741-749.
- September 2017: NATIONAL GROUP OF BIOENGINEERING (GNB) Award for the PhD Thesis - Section "BIOENGINEERING": Award for a PhD thesis on "models, signals and control of biological systems", attributed to the Thesis "ADVANCES IN NONLINEAR HEART RATE VARIABILITY ANALYSIS FOR MOOD STATE ASSESSMENT AND EMOTION RECOGNITION"

- **Institutional Responsibilities**

- October 2021-ongoing: Faculty member, School of Engineering, Dipartimento dell’Ingegneria dell’Informazione, UNIPI
- October 2021-ongoing: Core-Faculty Member of Research Centre “E. Piaggio” of the University of Pisa

- January 2022-ongoing: Member of the PhD School in Information Engineering. UNIPI, Italy
- February 2023-ongoing: Member of the Scientific Committee of Industrial and Information Engineering Area.

- **Publications**

<https://scholar.google.it/citations?user=BRSdCSsAAAAJ&hl=it&oi=ao>

<https://www.scopus.com/authid/detail.uri?authorId=58845880400>