



Enzo Pasquale Scilingo's curriculum vitae

Academic and work history

- **2024 - to date** President of the committee National Scientific Habilitation in 09/G2 – Bioengineering
- **2023 – to date** Vice Director of the Research Center “E. Piaggio”, University of Pisa
- **2021 – to date** Delegate to Research of the Director of the Department of Information Engineering
- **2020 - to date** Coordinator of the PhD program Smart Industry jointly organized by University of Pisa, University of Florence and University of Siena, since 17th December
- **2018 – to date** Full professor, University of Pisa, SSD ING/ING 06 since 1st May
- **2018 – to date** Coordinator of the laboratory Augmented and virtual reality at the Department of Information Engineering, University of Pisa
- **2015-2017** Vice Director Centro di Ricerca “E. Piaggio” from November 2015 to January 2017.
- **2018 – to date** Coordinator of the laboratory Biolab at the at the Department of Information Engineering, University of Pisa
- **2013- 2018** Associate Professor, Università di Pisa, SSD ING/ING 06 from 1st February to 30rd April.
- **2006-2013** Assistant Professor, Università di Pisa, from 1st January, 2006 to 31st January, 2013.
- **2004- 2005** Post-doc fellowship at the Centro Interdipartimentale di Ricerca “E. Piaggio”, Università di Pisa.
- **2001-2003** Post-doc fellowship at the University of Pisa, Department of Engineering of “Information: Electronics, Information, Telecommunications”.
- **1999-2001** Post-doc fellow at the National Research Council.
- **1999** PhD in Bioengineering at the Politecnico of Milano.
- **1996-1998** Scientific leader for the project “Sensorized forceps for laparoscopy” at the National Research Council in collaboration with the Centro Interdipartimentale di Ricerca “E. Piaggio”, University of Pisa.
- **1995** Laurea degree in Electronic Engineering at the University of Pisa, Italy.

Miscellanea

- Panel review member of the European call HORIZON-HLTH-2024-DISEASE-03-08-two-stage: Comparative effectiveness research for healthcare interventions in areas of high public health need, May-June 2024.
- Member of the panel review of the European call HORIZON-HLTH-2024-DISEASE-03-14-two-stage: Tackling high-burden for patients, under-researched medical conditions, November 2023.
- Member of the panel review of the European call HORIZON-HLTH-2022-STAYHLTH-02-01: Personalised blueprint of chronic inflammation in health-to-disease transition, June, 2022.
- Associate editor of the 2023 IEEE-EMBS International Conference on Biomedical and Health Informatics, October 15th – 18th, 2023, Pittsburgh, Pennsylvania, USA.
- Associate editor of the 2022 IEEE-EMBS International Conference on Biomedical and Health Informatics, September 27-30 2022 Ioannina, Greece.
- Advisory board member of the journal Electronics and Signal Processing, ELS Publishing.
- Member of the panel review of the European call HORIZON-HLTH-2022-STAYHLTH-02-01 June 2022.
- Co-organizer of the Special Session on "Measurements and sensors for safety and wellness of workers" at the IEEE International Workshop on Metrology for Industry 4.0 & IoT, June 3-5 2020, Rome, Italy.
- Member of the panel review of Academy of Finland's Biomedical engineering, Helsinki, 2019.

- Chairman of the workshop “Advances and challenges in the field of emotion recognition and emotion regulation for designing technology-based interventions for affective disorders” at 41st EMBC International Conference held in Berlin on July 23rd, 2019.
- Reviewer of the EU project ERC-2018-ADG
- IEEE Senior membership since 19 November 2016 to date
- IEEE Engineering in Medicine and Biology Society Membership since 1 March 2011 to date
- IEEE Signal Processing Society Membership since 1 January 2013 to date
- Invited reviewer to IMI-Horizon 2020 (Innovative Medicines Initiative) IMI 2 Call 3 RADAR (Remote Assessment of Diseases and Relapse)
- Invited reviewer to Horizon 2020 COST Action - Open Call OC-2015-2
- Co-founder of Touch-Lab, multidisciplinary laboratory on multimodal interfaces
- Reviewer in the frame of Biomedical Engineering Panel per “The Portuguese Foundation for Science and Technology 2011”.
- Programme chair del Symposium J - Biomedical Applications of "Smart" Technologies of CIMTEC (International conferences on modern materials & technologies), Montecatini Terme, Italy, June 10-14, 2012.

Invited and keynote speaker

- Invited lecture to e_Health and Innovation to overcome barriers in neuromuscular diseases - eNMD 2020, 30-31 October 2020 - DIGITAL EDITION. Title: "Tele-Health: repurposing challenges to improve the neuromuscular disease care: what we learnt from lock-down".
- Invited speaker to International workshop "Olfaction in the context of human interaction" within ECRO 2020 (European Chemoreception Research Organization) held on 17th September 2020 (online meeting).
- Speaker to Peer-to-Peer Experience Sharing FET Briefing Workshop held on May 28, 2020 (online meeting).
- Invited speaker to Special session on Big data to improve outcome, process, and services in health. Title of the talk: “Knowledge discovery about mental disorders from multiparametric data”, 39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Jeju, July 14th, 2017, Korea.
- Invited speaker to Summer school “Muscle school: exercise muscle in health and disease” at the University of Pisa, July 11. Title of the talk: “Skeletal muscle fatigue”.
- Invited speaker to Summer school CARDIOLUNG 2017: "Updates in Cardiovascular and Pulmonary Pathophysiology" at the University of Pisa, June 22, 2017. Title of the talk: “Cardio-Respiratory Dynamics during Multimodal Emotional Elicitation”.
- Invited speaker to Human Centered and Rehab Robotics Workshop at IIT, Genova, Italy. Title of the talk: "Personalized rehabilitation: from hospital to home", 24 March 2015.
- Invited speaker to Mindcare 2011, International Workshop on Pervasive Computing Paradigms for Mental Health, 23 May 2011, Dublin, Ireland.
- Invited speaker to 3th International Symposium on Applied Science in Biomedical and Communication Technologies, November 7-10, 2010, Rome, Italy.
- Keynote speaker to 5th International Workshop on Ubiquitous Health and Wellness, part of UbiComp 2010, September 26th 2010, Copenhagen, Denmark.
- Invited speaker al 5th annual Smart fabrics 2009, Roma 10-12 Marzo 2009. Titolo della presentazione: “Radiant sensing technology to be integrated into textile substrates”.
- Invited speaker to XXVII Scuola Annuale di Bioingegneria “Sistemi indossabili intelligenti per la salute e la protezione dell’uomo”, Bressanone, 15 - 19 settembre 2008.
- Invited speaker to 5th edition of International Workshop on Wearable, Micro and Nano Technologies for the Personalised Health, Valencia May 21 -23 2008. Titolo della presentazione: “Wearable monitoring of cardiopulmonary activity through radiant sensing”.

Membership in committees of international conferences

- Technology Transfer Chair, IEEE METROXRaine 2024 / ST ALBANS, LONDON, UK / OCTOBER 21-23, 2024.
- Program committee member of the 8th International Conference on Human Computer Interaction

Theory and Applications” - HUCAPP 2024

- Program committee member of the 15th International Conference e-Health 2023, Porto, Portugal, 15 - 17 July 2023, Part of the 17th Multi Conference on Computer Science and Information Systems (MCCSIS 2023) Porto, Portugal, 15 - 18 July 2023
- Program committee member of the 14th International Conference e-Health 2022, Lisbon, Portugal, 19 - 21 July 2022, Part of the 16th Multi Conference on Computer Science and Information Systems (MCCSIS 2022) Lisbon, Portugal, 19 - 22 July 2022
- Program Committee member of the 13th International Conference e-Health 2021(Virtual, 20 - 22 July 2021) Part of the Multi Conference on Computer Science and Information Systems (MCCSIS 2021) Virtual, 20 - 23 July 2021
- Program Committee member of 12th International Conference e-Health 2020 (21 - 23 July 2020) Part of the Multi Conference on Computer Science and Information Systems (MCCSIS 2020) 21 - 25 July 2020
- Program Committee member of the 9th International Conference on e-Health (part of the IADIS Multi Conference on Computer Science and Information Systems), Lisbon, Portugal, 20 – 22 July 2017.
- Program Committee member of the 8th edition of the International Conference on e-Health (part of the IADIS Multi Conference on Computer Science and Information Systems), Funchal, Madeira, Portugal, 01-03 July 2016.
- Program Committee member of the International Conference on Signal Processing and Communication Systems, Lisbon, Portugal 25-27 July 2016
- Program Committee member of the 7th International Conference on e-Health 2015 (EH 2015), Las Palmas de Gran Canaria, Spain, 21 - 23 July 2015
- Program Committee member of the International Symposium on Ambient Intelligence, Salamanca, Salamanca, 3th-5th June, 2015
- Program Committee member of the 5th International Conference on Pervasive and Embedded Computing and Communication Systems, 11-13 February 2015, ESEO, Angers, Loire Valley, France.
- Program Committee member of the 8th International Conference on Ubiquitous Computing and Ambient Intelligence, 6th International Work-conference on Ambient Assisted Living, Workshop on User- and Ambient-Adaptive Gerontechnologies and Geron services, 2-5 December 2014, Belfast, UK.
- Program Committee member of the 4th edition of the International Conference on e-Health (part of the IADIS Multi Conference on Computer Science and Information Systems), Lisbon, Portugal, 17-19 July, 2012.
- Program Committee member of Eurohaptics 2012, Tampere, Finland, 12-15 June.
- Committee member of Primo Congresso Nazionale di Bioingegneria Pisa, 3-5 Luglio 2008
- Program Committee member of IEEE International Workshop on Haptic, Audio and Visual Environments and their Applications, Ottawa, ON, Canada 1-2 October 2005.
- Program Committee member of World Haptics Conference 2005, Pisa, 18-20 March
- Program Committee member of Eurohaptics 2004, Munich, 5-7 June
- Local Organizing Committee member of the International Workshop on New generation of wearable systems for e-Health: towards a revolution of citizen' health and life style management?, Lucca, December 12-14, 2003
- Program Committee member of Eurohaptics 2003, Dublin, 6-9 July
- Local Organizing Committee member of the International Workshop on Electroactive Polymers and Biosystems, Lucca, Italy, August, 2001
- Journal of Knowledge Based and Intelligent Engineering Journal - the KES Journal. Review board member

To date, my “**funding ID**” includes:

European and national projects

As coordinator:

- 2019-2024 H2020-FETPROACT-2018-824153 POTION - Promoting social interaction through emotional body odours.
- 2016-2020 H2020-PHC-2015-689691 NEVERMIND - NEurobehavioural predictiVE and peRsonalised Modelling of depressIve symptoms duriNg primary somatic Diseases with ICT-enabled self-management procedures.
- 2010-2014 EC-FP7-ICT-247777 “PSYCHE-Personalised monitoring SYstems for Care in mental Health”, Budget 0.51 MEur. The aim of the project is to develop a personal, cost-effective, multi-parametric monitoring system based on textile platforms and portable sensing devices for the long term and short-term acquisition of data from selected class of patients affected by bipolar disorders. Concluded

As WP Leader/Principal Investigator/Key Researcher:

- 2017-2020 H2020-MSCA-ITN n. 722022 AffecTech (Personal Technologies for Affective Health). This project, in the frame of Marie Curie – Innovative Training Networks, advances the state-of-the-art of personal health technologies for affective disorders, estimated to be the highest ranking cause of disease by 2020. AffecTech integrates the latest Human-Computer Interaction and Biomedical Engineering findings in designing and developing personal health systems for mental health, with the most influential outcomes and models of emotion regulation from Clinical Psychology.
- 2013-2017 FP7 GA n. 601165 “WEARHAP – WEARable HAPtics for humans and robots”, Budget 1MEur. The project aims at laying the scientific and technological foundations for wearable haptics, a novel concept for the systematic exploration of haptics in advanced cognitive systems and robotics that will redefine the way humans will cooperate with robots. On-going
- 2010-2014 EC-FP7-ICT-248587 “THE Hand Embodied”, Budget 1.6 MEur over 4 years. The scientific goals of the project concern the reciprocal linkages between the physical hand and its high-level control functions, as well as the way that the embodiment enables and determines its behaviours and cognitive functions. Concluded
- 2015-2016 MIT-UNIFI Project, Collaboration between University of Pisa and Massachusetts Institute of Technology (MIT) on “Real-time Monitoring of Cardiovascular Functions Using Textile-Based Wearable Systems and Probabilistic Point-Process Modeling”.
- 2006-2010 EC-FP6-IST-027141 “IMMERSENCE–Immersive Multi-Modal Interactive Presence”. Budget: 0.47 MEur over 4 years. The main objective of this project was to enable highly realistic multi-modal interactive immersion into virtual and augmented reality environments. Its focus will be on visual, haptic and auditory sensory components, while addressing an even broader range of human senses. Concluded
- 2010-2014 FP7-ICT-2009-5-258749 The Collective Experience of Empathic Data System (CEEDS) The scientific goals of the projects concern the development of new and integrated technologies for interacting with virtual databases. Concluded
- 2007 National research contract with Enel S.p.A. on the “Development and optimization of a diagnostic system for multi-parametric monitoring of biomedical sigla to be integrated in a Wellness Laboratory”, Budget 74 KEur in 1 year. The aim of the project was to realize a multi-parametric platform to acquire vital signs and environmental parameters to monitor the wellness of elderly people at home. Concluded
- 2004-2008 EC-FP6-IST-507816 “MYHEART-MyHeart-Fighting cardio-vascular diseases by preventive lifestyle & early diagnosis”, Budget 1.18 MEur over 4 years. The mission of this project was to empower citizens in fighting cardio-vascular diseases through preventive lifestyle and early diagnosis by using wearable e-health systems. Concluded
- 2002-2005 EC-FP6-IST-38040 “TOUCH-HAPSYS-Towards a Touching Presence: High-Definition Haptic Systems,” Budget 0.63 MEur over 3 years. This project established a new generation of high-fidelity haptic display technologies. The newly developed systems not only covered haptic interaction but also attempted to complement haptic information by visual and auditory input. Concluded
- 2002-2005 EC-FP5-IST-37778 “WEALTHY-Wearable Health Care System”, Budget 0.32 MEur over 3 years. The aim of this project was to provide continuous remote monitoring of user vital signs by using innovative technology based on smart materials in fibre and yarn. Concluded

Guest and Associate editor of journals

- Editor in chief for section of "Bioelectronics" in *Electronics* (ISSN 2079-9292; CODEN: ELECGJ, IF 2022: 2,9

- Member of the Editorial Board/Academic Editor of *IEEE Journal of Biomedical and Health Informatics* (ISSN: 2168-2194, IF 2021: 7,021)
- Member of the Editorial Board/Academic Editor of *IEEE Transactions on Affective Computing* (ISSN:1949-3045, IF 2021: 13,99)
- Member of the Editorial Board/Academic Editor of *Plos One* (ISSN: 1932-6203, IF 2021: 3,58)
- Member of the Editorial Board/Academic Editor *Scientific Reports - Nature* (ISSN: 2045-2322, IF 2021: 4,996)
- Member of the Editorial Board/Academic Editor of *Frontiers in Bioengineering and Biotechnology* (Electronic ISSN 2296-4185, IF 2021: 5,891) and *Frontiers in Robotics and AI* (Electronic ISSN: 2296-9144, IF 2019: 3,310) *section Bionics and Biomimetics*.
- Member of the Editorial Board/Academic Editor of *Frontiers in Neuroscience* (Electronic ISSN: 1662-453X, IF 2021: 4,501) *section Neural technology*.
- Member of the Editorial Board/Academic Editor of *Electronics and Telecommunications Research Institute* (ETRI) Journal (p-ISSN 1225-6463, e-ISSN 2233-7326, IF 2021: 1,62)

Technology transfer

- R. Paradiso, A. Bianchi, S. Cerutti, O. Schleusing, F. Renevey, E. P. Scilingo, and A. Lanatà, "Monitoring method and system for assessment of prediction of mood trends," European Patent, no. PCT/EP2011/064742, 2011.
- UK Patent application number GB1620007.3 entitled "Care Management System"
- Technology transfer relative to research activity on affective computing, signal processing, and artificial intelligence through the creation of the start-up FEEL-ING.
- Technology transfer relative to research activity on social robotics and generative AI through the creation of the start-up CARTESIA.
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Teaching activity

- Biomedical electronics since 2005
- Laboratory of Bioengineering from 2005 to 2011
- Methods of statistical inference from 2006 to 2011
- Biomedical electronics at the University of Cagliari from 2006 to 2007
- Biomedical instrumentation from 2013 to date
- Biomedical electronics II from 2011 to date
- Affective computing from 2015 to date
- Biometric systems from 2021 to date

Peer reviews

IEEE Transaction on Biomedical Engineering, Journal of Biomedical and Health Informatics, IEEE Sensors Journal, IEEE/ASME Transactions on Mechatronics, Scientific Reports, Plos one, Journal of Intelligent Material Systems and Structures, IEEE Transactions on Information Technology in BioMedicine, ETRI Journal, Smart Materials and Structures, Experimental Brain Research, IEEE Transaction on Haptics, Pervasive and Mobile Computing, Cognitive Computation, Computers in Biology and Medicine, IEEE Transactions on Systems, Man and Cybernetics: Systems.

Publications

	Total Documents	Total Citations	H-index
Scopus	304	8077	46
Scholar	449	12519	58

International journals

1. Cecchetto C., Dal Bò E., Eliasson E.T., Vigna E., Natali L., Scilingo E.P., Greco A., Di Francesco F., Hadlaczky G., Lundström J.N., Carli V., Gentili C., “Sniffing out a solution: How emotional body odors can improve mindfulness therapy for social anxiety” (2025) *Journal of Affective Disorders*, 369, pp. 1082 – 1089.
2. Gargano A., Nardelli M., Scilingo E.P., “Exploring Multivariate Dynamics of Emotions Through Time-Varying Self-Assessed Arousal and Valence Ratings” (2025) *IEEE Transactions on Affective Computing*, 16 (1), pp. 333 – 345.
3. Gioia F., Greco A., Callara A.L., Vanello N., Scilingo E.P., Citi L., “ThermlCA: Novel Approach for a Multivariate Analysis of Facial Thermal Responses” (2025) *IEEE Transactions on Biomedical Engineering*, 72 (4), pp. 1237 – 1247.
4. Dal Bò E., Cecchetto C., Callara A.L., Greco A., Mura F., Vanello N., Di Francesco F., Scilingo E.P., Gentili C., “Emotion perception through the nose: how olfactory emotional cues modulate the perception of neutral facial expressions in affective disorders” (2024) *Translational Psychiatry*, 14 (1), art. no. 342.
5. Rho G., Callara A.L., Scilingo E.P., Greco A., Bonfiglio L., “Habituation of Central and Electrodermal Responses to an Auditory Two-Stimulus Oddball Paradigm” (2024) *Sensors*, 24 (15), art. no. 5053.
6. Lavezzo L., Gargano A., Scilingo E.P., Nardelli M., “Zooming into the Complex Dynamics of Electrodermal Activity Recorded during Emotional Stimuli: A Multiscale Approach” (2024) *Bioengineering*, 11 (6), art. no. 520.
7. Callara A.L., Rho G., Condino S., Ferrari V., Scilingo E.P., Greco A., “Behavioral, Peripheral, and Central Neural Correlates of Augmented Reality Guidance of Manual Tasks” (2024) *IEEE Transactions on Human-Machine Systems*, 54 (2), pp. 172 - 181.
8. Iavarone B., Morelli M.S., Brunato D., Ghiasi S., Scilingo E.P., Vanello N., Dell'Orletta F., Greco A., “The linguistic structure of an emotional text influences the sympathetic activity and the speech prosody of the reader” (2024) *Biomedical Signal Processing and Control*, 89, art. no. 105776.
9. Filippa M., Nardelli M., Sansavini A., Meloni S., Picciolini O., Lunardi C., Cecchi A., Corvaglia L., Grandjean D., Scilingo E.P., Della Casa E., Berardi A., Ferrari F., Aceti A., Bedetti L., Bertoncelli N., Lucco G., Luzzati M., Ori L., Petrolini C., Zuccarini M., “Maternal singing sustains preterm hospitalized newborns’ autonomic nervous system maturation: an RCT” (2024) *Pediatric Research*, 95 (4), pp. 1110 - 1116.
10. Baldini A., Patron E., Gentili C., Scilingo E.P., Greco A., “Novel VR-Based Biofeedback Systems: A Comparison between Heart Rate Variability- and Electrodermal Activity-Driven Approaches” (2024) *IEEE Transactions on Affective Computing*, 15 (3), pp. 1580 – 1589.
11. Malandrone F., Urru S., Berchialla P., Rossini P.G., Oliva F., Bianchi S., Ottaviano M., Gonzalez-Martinez S., Carli V., Valenza G., Scilingo E.P., Carletto S., Ostacoli L., “Exploring the Effects of Variety and Amount of Mindfulness Practices on Depression, Anxiety, and Stress Symptoms: Longitudinal Study on a Mental Health-Focused eHealth System for Patients With Breast or Prostate Cancer” (2024) *JMIR Mental Health*, 11, art. no. e57415.
12. Callara A.L., Scopa C., Contalbrigo L., Lanatà A., Scilingo E.P., Baragli P., Greco A., “Unveiling directional physiological coupling in human-horse interactions” (2024) *iScience*, 27 (9), art. no. 110857.
13. Rho G., Callara A.L., Bossi F., Ognibene D., Cecchetto C., Lomonaco T., Scilingo E.P., Greco A., “Combining electrodermal activity analysis and dynamic causal modeling to investigate the visual-odor multimodal integration during face perception” (2024) *Journal of Neural Engineering*, 21 (1), art. no. 016020.
14. Gargano A., Nardelli M., Scilingo E.P., “Exploring Multivariate Dynamics of Emotions Through Time-Varying Self-Assessed Arousal and Valence Ratings” (2025) *IEEE Transactions on Affective Computing*, 16 (1), pp. 333 – 345.
15. Rho G., Callara A.L., Scilingo E.P., Greco A., Bonfiglio L., “Habituation of Central and Electrodermal Responses to an Auditory Two-Stimulus Oddball Paradigm” (2024) *Sensors*, 24 (15), art. no. 5053.
16. Dal Bò E., Cecchetto C., Callara A.L., Greco A., Mura F., Vanello N., Di Francesco F., Scilingo E.P., Gentili C., “Emotion perception through the nose: how olfactory emotional cues modulate the perception of neutral facial expressions in affective disorders” (2024) *Translational Psychiatry*, 14 (1), art. no. 342.
17. Gioia F., Greco A., Callara A.L., Vanello N., Scilingo E.P., Citi L., “ThermlCA: Novel Approach for a Multivariate Analysis of Facial Thermal Responses” (2024) *IEEE Transactions on Biomedical Engineering*.
18. Callara A.L., Rho G., Condino S., Ferrari V., Scilingo E.P., Greco A., “Behavioral, Peripheral, and Central Neural Correlates of Augmented Reality Guidance of Manual Tasks” (2024) *IEEE Transactions on Human-Machine Systems*, 54 (2), pp. 172 – 181.
19. Lavezzo L., Gargano A., Scilingo E.P., Nardelli M., “Zooming into the Complex Dynamics of Electrodermal Activity Recorded during Emotional Stimuli: A Multiscale Approach” (2024) *Bioengineering*, 11 (6), art. no. 520.
20. Iavarone B., Morelli M.S., Brunato D., Ghiasi S., Scilingo E.P., Vanello N., Dell'Orletta F., Greco A., “The linguistic structure of an emotional text influences the sympathetic activity and the speech prosody of the reader” (2024) *Biomedical Signal Processing and Control*, 89, art. no. 105776.
21. Cecchetto C., Dal Bò E., Eliasson E.T., Vigna E., Natali L., Scilingo E.P., Greco A., Di Francesco F., Hadlaczky G., Lundström J.N., Carli V., Gentili C., “Sniffing out a solution: How emotional body odors can improve mindfulness therapy for social anxiety” (2025) *Journal of Affective Disorders*, 369, pp. 1082 – 1089.
22. Filippa M., Nardelli M., Sansavini A., Meloni S., Picciolini O., Lunardi C., Cecchi A., Corvaglia L., Grandjean D., Scilingo E.P., Della Casa E., Berardi A., Ferrari F., Aceti A., Bedetti L., Bertoncelli N., Lucco G., Luzzati M., Ori L.,

- Petrolini C., Zuccarini M. "Maternal singing sustains preterm hospitalized newborns' autonomic nervous system maturation: an RCT" (2024) *Pediatric Research*, 95 (4), pp. 1110 – 1116.
23. Malandrone F., Urru S., Berchialla P., Rossini P.G., Oliva F., Bianchi S., Ottaviano M., Gonzalez-Martinez S., Carli V., Valenza G., Scilingo E.P., Carletto S., Ostacoli L. "Exploring the Effects of Variety and Amount of Mindfulness Practices on Depression, Anxiety, and Stress Symptoms: Longitudinal Study on a Mental Health-Focused eHealth System for Patients With Breast or Prostate Cancer" (2024) *JMIR Mental Health*, 11, art. no. e57415.
 24. Rho G., Callara A.L., Scilingo E.P., Greco A., Bonfiglio L., "Habituation of Central and Electrodermal Responses to an Auditory Two-Stimulus Oddball Paradigm", (2024) *Sensors*, 24 (15), art. no. 5053.
 25. Lavezzo L., Gargano A., Scilingo E.P., Nardelli M., "Zooming into the Complex Dynamics of Electrodermal Activity Recorded during Emotional Stimuli: A Multiscale Approach", (2024) *Bioengineering*, 11 (6), art. no. 520.
 26. Callara A.L., Rho G., Condino S., Ferrari V., Scilingo E.P., Greco A., "Behavioral, Peripheral, and Central Neural Correlates of Augmented Reality Guidance of Manual Tasks", (2024) *IEEE Transactions on Human-Machine Systems*, 54 (2), pp. 172-181.
 27. Filippa M., Nardelli M., Sansavini A., Meloni S., Picciolini O., Lunardi C., Cecchi A., Corvaglia L., Grandjean D., Scilingo E.P., Della Casa E., Berardi A., Ferrari F., Aceti A., Bedetti L., Bertoncelli N., Lucco G., Luzzati M., Ori L., Petrolini C., Zuccarini M., "Maternal singing sustains preterm hospitalized newborns' autonomic nervous system maturation: an RCT", (2024) *Pediatric Research*, 95 (4), pp. 1110-1116.
 28. Rho G., Callara A.L., Bossi F., Ognibene D., Cecchetto C., Lomonaco T., Scilingo E.P., Greco A., "Combining electrodermal activity analysis and dynamic causal modeling to investigate the visual-odor multimodal integration during face perception", (2024) *Journal of Neural Engineering*, 21 (1), art. no. 016020.
 29. Gargano A., Nardelli M., Scilingo E.P., "Exploring Multivariate Dynamics of Emotions Through Time-Varying Self-Assessed Arousal and Valence Ratings", (2024) *IEEE Transactions on Affective Computing*, pp. 1-13.
 30. Baldini A., Patron E., Gentili C., Scilingo E.P., Greco A. "Novel VR-Based Biofeedback Systems: A Comparison between Heart Rate Variability- and Electrodermal Activity-Driven Approaches" (2024) *IEEE Transactions on Affective Computing*, 15 (3), pp. 1580 – 1589.
 31. Iavarone B., Morelli M.S., Brunato D., Ghiasi S., Scilingo E.P., Vanello N., Dell'Orletta F., Greco A., "The linguistic structure of an emotional text influences the sympathetic activity and the speech prosody of the reader", (2024) *Biomedical Signal Processing and Control*, 89, art. no. 105776.
 32. Callara A.L., Greco A., Scilingo E.P., Bonfiglio L., "Neuronal correlates of eyeblinks are an expression of primary consciousness phenomena", (2023) *Scientific Reports*, 13 (1), art. no. 12617.
 33. Rho G., Callara A.L., Bernardi G., Scilingo E.P., Greco A., "EEG cortical activity and connectivity correlates of early sympathetic response during cold pressor test", (2023) *Scientific Reports*, 13 (1), art. no. 1338.
 34. Ghiasi S., Patane A., Laurenti L., Gentili C., Scilingo E.P., Greco A., Kwiatkowska M., "Physiologically-Informed Gaussian Processes for Interpretable Modelling of Psycho-Physiological States", (2023) *IEEE Journal of Biomedical and Health Informatics*, 27 (8), pp. 3721-3730.
 35. Gioia F., Nardelli M., Scilingo E.P., Greco A., "Autonomic Regulation of Facial Temperature during Stress: A Cross-Mapping Analysis", (2023) *Sensors*, 23 (14), art. no. 6403.
 36. Filippa M., Nardelli M., Sansavini A., Meloni S., Picciolini O., Lunardi C., Cecchi A., Corvaglia L., Grandjean D., Scilingo E.P., Della Casa E., Berardi A., Aceti A., Bedetti L., Bertoncelli N., Lucco G., Luzzati M., Ori L., Petrolini C., Zuccarini M., Ferrari F., "Maternal singing sustains preterm hospitalized newborns' autonomic nervous system maturation: an RCT", (2023) *Pediatric Research*, in press.
 37. Petros N.G., Alvarsson-Hjort J., Hadlaczky G., Wasserman D., Ottaviano M., Gonzalez-Martinez S., Carletto S., Scilingo E.P., Valenza G., Carli V., "Predictors of the Use of a Mental Health-Focused eHealth System in Patients With Breast and Prostate Cancer: Bayesian Structural Equation Modeling Analysis of a Prospective Study", (2023) *JMIR Cancer*, 9 (1), art. no. e49775.
 38. Rho, G., Callara, A.L., Bernardi, G., Scilingo, E.P., Greco, A., EEG cortical activity and connectivity correlates of early sympathetic response during cold pressor test (2023) *Scientific Reports*, 13 (1), art. no. 3097.
 39. Baldini, A., Garofalo, R., Scilingo, E.P., Greco, A., "A Real-Time, Open-Source, IoT-like, Wearable Monitoring Platform", (2023) *Electronics (Switzerland)*, 12 (6), art. no. 1498.
 40. van Es, V.A.A., Lopata, R.G.P., Scilingo, E.P., Nardelli, M., "Contactless Cardiovascular Assessment by Imaging Photoplethysmography: A Comparison with Wearable Monitoring", (2023) *Sensors*, 23 (3), art. no. 1505.
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