Laura Verde
Curriculum vitae et studiorum

GENERAL	
MAIN AFFILIATION	Department of Mathematics and Physics, Università della Campania "Luigi Vanvitelli", Viale Lincoln, 81100, Caserta, IT **email:** laura.verde@unicampania.it
CURRENT POSITION	• **2022-today:** researcher RTDA at the Department of Mathematics and Physics, Università della Campania "Luigi Vanvitelli", obtained inside the research for the development of multi-domain methods for predictive maintenance in different industrial sectors (aerospace, railway, healthcare).
BIBLIOMETRIC INDICATORS	ORCID https://orcid.org/0000-0003-2422-1732 Google scholar https://scholar.google.com/citations?user=0kRxhYQAAAAJ&hl=it&oi=ao h-index 13, citations 592 Scopus https://www.scopus.com/authid/detail.uri?authorId=56902382400 h-index 11, citations 431 Web of Science https://www.webofscience.com/wos/author/record/217972 h-index 10, citations 284 dblp https://dblp.org/pid/166/2761.html
LANGUAGES	• Fluent speaker and writer of British English • Native speaker of Italian
PROFESSIONAL EXPERIENCES	• **2021-2021:** postdoctoral fellow at the Department of Mathematics and Physics, Università della Campania "Luigi Vanvitelli", obtained inside the research project ANDROIDS (AutoNomous DiscoveRy Of depressIve Disorder Signs) for research work on analyzing speech features for depressive signs detection. • **2019-2021:** research fellow at the Institute of High Performance Computing and Networking (ICAR) –National Research Council of Italy (CNR), obtained inside the research project FSE 7 (Ottimizzazione del workflow e dei processi del Fascicolo Sanitario Elettronico) for research work on management of computer documents from mobile health systems. • **2014-2015:** research fellow at the Institute of High Performance Computing and Networking (ICAR) –National Research Council of Italy (CNR), obtained inside the research project Smart Health 2.0) for research work on Design and implementation of advanced services for mobile devices able to acquire elementary data coming from external digital systems, such as biomedical sensors, for the elaboration of biomedical signals, conceived for Prevention, Wellness and Lifestyle. • **2013-2014:** trainee at EUSTEMA - Computer Consulting and Engineering Company, to perform technology scouting on platforms implementing the agent-based paradigm and drafting of project documents. • **2010-2011***:* trainee at IGEA - Diagnostic and Polyspecialist Centre, in which the main activities carried out were the study and monitoring of the devices of the Analysis and Radiology

	Laboratory; evaluation, planning and purchase of biomedical devices to replace those that have become obsolete. • **2002-2004***:* Trainee at Città della Scienza, for teaching and exposing the fundamental concepts and experiments of Chemistry.
EDUCATION	• **2015-2019:** Ph.D. in Information and Communication Technology and Engineering at University of Naples "Parthenope" (Italy). Dissertation: Definition and development of a methodology for the carotid diseases detection based on Heart Rate Variability by using Neural Networks approach. • **2017-2017**: iOS Developer Academy: course S aimed at creating prototypes of iOS applications at University of Naples "Parthenope" (Italy). • **2012-2013**: Advanced training course: "Project MODERN- Architectural Models for Definition, Process Execution and Reconfiguration User-Centric in the Enterprise 2.0" at University of Salerno (Italy). • **2008-2011:** Master's degree in biomedical engineering at Università "Federico II" di Napoli (Italy). Dissertation: Fluoroscopic image filtering based on the statistical characterization of noise (in italian). • **2008-2011:** Bachelor's degree in biomedical engineering at Università "Federico II" di Napoli (Italy). Dissertation: FEM analysis of stresses in the spinal biomechanical unit with intervertebral disc implantation: PULL-OUT prosthetic component PE (in italian).
RESEARCH	
RESEARCH INTERESTS	Her research focuses on the study and analysis of methodologies for the analysis of biomedical signals (i.e speech, electrocardiographical signals). Her research interests include the study of Artificial Intelligence techniques for healthcare, as well as the implementation of mobile health systems to support the early detection of disorders and monitoring of vital signs. Research is mainly conducted using ML and DL techniques.
INTERNATIONAL AND NATIONAL PROJECTS' COORDINATION	**1.** **2023-today**: scientific responsible for work unit for research project "Complex System Maintenance" (COSYMA) - CUP B26G21000070005. **2.** **2019-2021:** investigator in the Italian project FSE7 - Ottimizzazione del workflow e dei processi del Fascicolo Sanitario Elettronico, project funded by the the Agency for Digital Italy of the Presidency of the Council of Ministers (l'Agenzia per l'Italia Digitale della Presidenza del Consiglio dei Ministri) and Department of Engineering, ICT and Technologies for Energy and Transport (DIITET-CNR). **3.** **2018:** investigator in the European project KONFIDO - Secure and Trusted Paradigm for Interoperable eHealth Services, a European Union's Horizon 2020 Framework Programme for Research and Innovation under grant agreement n. 727528. **4.** **2016:** investigator in the European project SAWSOC - Situation AWare Security Operations Center, a European Union's Seventh Framework Programme for Research, technological development, and demonstration under grand agreement n. 313034. **5.** **2014-2015:** investigator in the Italian project Smart Health 2.0, PON04a2_C Codice CUP ricerca B81H12000650005.
PARTICIPATION IN LOCAL PROJECTS	**1.** **2022-**today**:** principal investigator in the Italian project aDversarial scenArios geneRation With dIgital twiNs In industry (DARWINIST) projects, funded by the dedicated to young researchers programme, Università della Campania "Luigi Vanvitelli". **2.** **2021-2021:** investigator in the Italian project AutoNomous DiscoveRy Of depressIve Disorder Signs (ANDROIDS), funded by the V:alere programme, Università della Campania "Luigi Vanvitelli".

NATIONAL PhD SUPERVISION	**1.** Atrin Barzegar, Ph.D. in Mathematics, Physics and Applications for Engineering, Università della Campania "Luigi Vanvitelli", XXXVIII ciclo (supervision) **2.** Ciro Nespolino, Ph.D. in Mathematics, Physics and Applications for Engineering, Università della Campania "Luigi Vanvitelli", XXXIX ciclo (supervision)
EDITORS IN INTERNATIONAL JOURNALS	**1.** **2023-**today: guest editor of the special issue Combining Model-Based and Data-Driven Methods in Human–Computer Interaction - Electronics– MDPI. **2.** **2023-**today: guest editor of the special issue Federated Learning: Applications and Futures Directions - Journal of Sensor and Actuator Networks– MDPI. **3.** **2021-2023:** guest editor of the special issue Next Generation of Secure and Resilient Healthcare Data Processing – Sensors – MDPI.
CHAIR OR CO-CHAIR OF INTERNATIONAL EVENTS	• Session chair of the Intelligent Critical Infrastructures for the 27th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2023) • Session chair of the Federated Learning: Advances and Open Challenges in Distributed and Cooperative Learning Models for the 26th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2022) • Session chair of the Social and BIOmetric data for APPlications in human machine interactions: Models and algorithmS (SOBIOAPPS 2022) • Session chair of the Fake News and Information Literacy: Current State, Open Issues and Challenges in Automatic and AI- based Detection, Generation and Analytical Support Systems for KES-IDT-22 • Publicity chair of 1st Workshop on Artificial Intelligence and Internet of Things for Digital Health (AIIOT4DH 2021) • Publicity chair of 2021 IEEE CSR Workshop on Resilient Artificial Intelligence (RAI 2021) • Publicity chair of ICTS4eHealth 2020 - 5th Edition of the IEEE Workshop on ICT Solutions for ehealth, 2020 • Publicity chair of AIdSH: International Workshop on AI-driven Smart Healthcare, 2020 • Session Chair of the 2nd International Conference on Information and Communication Technologies for Ageing Well and e-Health (ICT4AWE 2016)
CONFERENCE PARTICIPATION as Lecturer	• The Cyber Security and Big Data session for 27th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2023): presentation of work "Inferring Emotional Models from Human-Machine Speech Interactions" • The 14th International KES Conference on Intelligent Decision Technologies (KES IDT 2022): presentation of work "A Federated Consensus-Based Model for Enhancing Fake News and Misleading Information Debunking" • 33rd IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2021): presentation of work "A Lightweight Machine Learning Approach to Detect Depression from Speech Analysis" • 25th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2021): presentation of work "*Exploring the Impact of Data Poisoning Attacks on Machine Learning Model Reliability*" • International Joint Conference on Neural Networks (IJCNN 2021): presentation of work "*Evaluating Efficiency and Effectiveness of Federated Learning Approaches in Knowledge Extraction Tasks*" • The 32nd IEEE International Symposium on Computer-Based Medical Systems (CBMS 2019): presentation of work "*An Objective Measure of Carotid Disease Based on a Multiparameter Approach*" • The 11th International Joint Conference on Biomedical Engineering Systems and Technologies (HEALTHINF 2018): presentation of work "*A Machine Learning Approach for Carotid Diseases using Heart Rate Variability Features*" • The 10th International Joint Conference on Biomedical Engineering Systems and Technologies (HEALTHINF 2017): presentation of "*A Real-time m-Health Monitoring System: An Integrated Solution Combining the Use of Several Wearable Sensors and Mobile Devices*"

	• Ambient Intelligence - Software and Applications (ISAMI 2016): presentation of work "*Vox4Health: Preliminary Results of a Pilot Study for the Evaluation of a Mobile Voice Screening Application*" • The 9th International Joint Conference on Biomedical Engineering Systems and Technologies (HEALTHINF 2016): presentation of work "*An easy approach for the classification of children's voice based on the fundamental frequency estimation*" • IEEE International Conference on Multimedia & Expo Workshops (ICMEW 2015): presentation of work "*An m-health system for the estimation of voice disorders*" • The 6th IEEE International Workshop on Advances In Sensors And Interfaces (IWASI 2015): presentation of work "*A noise-aware methodology for a mobile voice screening application*"
PROGRAM COMMITTEE MEMBER OF INTERNATIONAL SCIENTIFIC EVENTS	• 27th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2023) • The 8th IEEE Cyber Science and Technology Congress (CyberSciTech 2023) • 21st IEEE International Conference on Dependable, Autonomic & Secure Computing (DASC 2023) • International Workshop on Artificial Intelligence for Health (AI4Health 2023) • 3nd Edition Of The IEEE Conference On ICT Solutions for ehealth (ICTS4eHealth 2023) • The 4th Workshop on Secure IoT, Edge and Cloud systems (SIoTEC 2023) • The 7th IEEE Cyber Science and Technology Congress (CyberSciTech 2022) • 2022 IEEE CSR Workshop on Resilient Artificial Intelligence (CSR RAI 2022) • International Workshop on Artificial Intelligence for Health (AI4Health 2022) • International Joint Conference on Neural Networks (IJCNN 2022) • 25th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2021) • International Joint Conference on Neural Networks (IJCNN 2021) • The IEEE International Conference on Cyber Security and Resilience (IEEE CSR2021) • IEEE Conference on ICT Solutions for eHealth (ICTS4eHealth 2021) • The 21st International Conference on Computational Science and Applications (ICCSA 2021) • 26th Annual Conference on Emerging Technologies and Factory Automation (EFTA 2021) • IEEE Global Communications Conference (GLOBECOM 2021) • IEEE CSR Workshop on Resilient Artificial Intelligence (RAI 2021) • Artificial Intelligence for Emerging IoT Systems: Open Challenges and Novel Perspectives (AI4EIoTs 2020) • 5th Edition of the IEEE Workshop on ICT Solutions for ehealth (ICTS4eHealth 2020) • IEEE Global Communications Conference (GLOBECOM 2020) • The 33rd IEEE International Symposium on Computer-Based Medical Systems (IEEE CBMS 2020) • The 32nd IEEE International Symposium on Computer-Based Medical Systems (IEEE CBMS2019) • The International Conference on Information & Communication Technology and System (ICTS 2019) • The International Joint Conference on Neural Network (IJCNN 2019) • 23rd International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2019) • International Workshop on Artificial Intelligence for Health (AI4Health 2018) • The 11th International Joint Conference on Biomedical Systems and Technologies (ICT4eHealth 2018) • The Seventh International Conference on Intelligent Systems and Applications (INTELLI 2018) • 10th International Joint Conference on Biomedical Systems and Technologies (ICT4eHealth 2017) • Special Session on Smart Medical Devices - From Lab to Clinical Practice • Doctoral Consortium on Biomedical Engineering Systems and Technologies (DCBIOSTEC 2016) • International Conference on Health Informatics (HEALTHINF 2016)

SELECTED ACTIVITY OF REVIEW FOR INTERNATIONAL JOURNALS	• IEEE Computers: IEEE Access, IEEE Wireless Communications, IEEE Internet of Things Journal, IEEE Journal of Biomedical Health Informatics, Transactions on Consumer Electronics. • Elsevier: Future Generation of Computer Systems (FGCS), Biomedical Signal Processing and Control (BSPC), Computers in Biology and Medicine (CBM), Sustainable Cities and Society (SCS), Information Fusion (IF) • MDPI: Sensors • Oxford University Press: Journal of the American Medical Informatics Association • Springer: Arabian Journal for Science and Engineering • ClinMed International Library
DIDACTIC ACTIVITIES	
TEACHING ACTIVITIES	• A.Y. 2023/24 Lecturer of "Object Oriented Programming" at the Bachelor Degree Programme in Mathematics at Università della Campania "Luigi Vanvitelli" • A.Y. 2023/24 Lecturer of "Object Oriented Programming" at the Bachelor Degree Programme in Data Analytics at Università della Campania "Luigi Vanvitelli" • A.Y. 2022/23 Lecturer of "Object Oriented Programming" at the Bachelor Degree Programme in Mathematics at Università della Campania "Luigi Vanvitelli" • A.Y. 2021/22 Lecturer of "Humanistic Computer Science" at the Bachelor Degree Programme in Letters at Università della Campania "Luigi Vanvitelli" • A.Y. 2020/21 Adjunct professor in Computer science at Bachelor Degree in Business Economics at University of Naples "Federico II" • A.Y. 2019/20 Adjunct professor in Computer science at Bachelor Degree in Business Economics at University of Naples "Federico II" • A.Y. 2018/19 Adjunct professor in Computer science at Bachelor Degree in Business Economics at University of Naples "Federico II"
TEACHING ACTIVITIES INSIDE DOCTORAL PROGRAMMES	• A.Y. 2022/23 Lecturer at Ph.D Course "Digital Signal Processing" in Matematica, Fisica E Applicazioni Per L'ingegneria - XXXVIII ciclo", at Università degli Studi della Campania " Luigi Vanvitelli"
PUBLICATIONS	
INTERNATIONAL JOURNALS *(15 papers)*	**2024** [J1] Dubbioso, R., Spisto, M., Verde, L., Iuzzolino, V. V., Senerchia, G., De Pietro, G., Sannino, G. (2024). Precision medicine in ALS: Identification of new acoustic markers for dysarthria severity assessment. Biomedical Signal Processing and Control, 89, 105706. **2023** [J2] Riccio, D., Brancati, N., Sannino, G., Verde, L., & Frucci, M. (2023). CNN-based classification of phonocardiograms using fractal techniques. Biomedical Signal Processing and Control, 86, 105186. [J3] Marrone, S., Campanile, L., De Fazio, R., Di Giovanni, M., Gentile, U., Marulli, F., & Verde, L. (2023). A Petri net oriented approach for advanced building energy management systems. Journal of Ambient Intelligence and Smart Environments, (Preprint), 1-23. **2022** [J4] Marulli, F., Marrone, S. and Verde L. "Sensitivity of Machine Learning Approaches to Fake and Untrusted Data in Healthcare Domain." Journal of Sensor and Actuator Networks 11.2 (2022): 21. **2021** [J5] Verde, L., Brancati, N., De Pietro, G., Frucci, M., & Sannino, G. (2021). A Deep Learning Approach for Voice Disorder Detection for Smart Connected Living Environments. ACM Transactions on Internet Technology (TOIT), 22(1), 1-16.

	[J6] Vitale, F., Carbonaro, B., Cordasco, G., Esposito, A., Marrone, S., Raimo, G., & Verde, L. (2021). A Privacy-Oriented Approach for Depression Signs Detection Based on Speech Analysis. Electronics, 10(23), 2986. [J7] Verde, L., De Pietro, G., & Sannino, G. (2021). Artificial Intelligence Techniques for the Non-invasive Detection of COVID-19 Through the Analysis of Voice Signals. Arabian Journal for Science and Engineering, (pp. 1-11). DOI: 10.1007/s13369-021-06041-4. [J8] Verde, L., De Pietro, G., Ghoneim, A., Alrashoud, M., Al-Mutib, K. N., & Sannino, G. (2021). Exploring the Use of Artificial Intelligence Techniques to Detect the Presence of Coronavirus Covid-19 Through Speech and Voice Analysis. IEEE Access, 9, (pp. 65750-65757). DOI: 10.1109/ACCESS.2021.3075571. **2019** [J9] Verde, L., De Pietro, G., Alrashoud, M., Ghoneim, A., Al-Mutib, K. N., & Sannino, G. (2019). Leveraging artificial intelligence to improve voice disorder identification through the use of a reliable mobile app. IEEE Access, 7, (pp. 124048-124054). DOI: 10.1109/ACCESS.2019.2938265. [J10] Verde, L., De Pietro, G., Alrashoud, M., Ghoneim, A., Al-Mutib, K. N., & Sannino, G. (2019). Dysphonia detection index (DDI): A new multi-parametric marker to evaluate voice quality. IEEE Access, 7, (pp. 55689-55697). DOI: 10.1109/ACCESS.2019.2913444 [J11] Verde, L., & De Pietro, G. (2019). A neural network approach to classify carotid disorders from heart rate variability analysis. Computers in biology and medicine, 109, (pp. 226-234). DOI: 10.1016/j.compbiomed.2019.04.036 **2018** [J12] Cesari, U., De Pietro, G., Marciano, E., Niri, C., Sannino, G., & Verde, L. (2018). Voice disorder detection via an m-Health system: Design and results of a clinical study to evaluate Vox4Health. BioMed research international, 2018. DOI: 10.1155/2018/8193694 [J13] Cesari, U., De Pietro, G., Marciano, E., Niri, C., Sannino, G., & Verde, L. (2018). A new database of healthy and pathological voices. Computers & Electrical Engineering, 68, (pp. 310-321). DOI: 10.1016/j.compeleceng.2018.04.008. [J14] Verde, L., De Pietro, G., & Sannino, G. (2018). Voice disorder identification by using machine learning techniques. IEEE access, 6, (pp. 16246-16255). DOI: 10.1109/ACCESS.2018.2816338. [J15] Verde, L., De Pietro, G., & Sannino, G. (2018). A methodology for voice classification based on the personalized fundamental frequency estimation. Biomedical Signal Processing and Control, 42, (pp. 134-144). DOI: 10.1016/j.bspc.2018.01.007.
INTERNATIONAL CONFERENCE PROCEEDINGS *(22 papers)*	**2023** [C1] Marrone, S., Campanile, L., De Fazio, R., Di Giovanni, M., Gentile, U., Marulli, F., & Verde, L. (2023). A Petri net oriented approach for advanced building energy management systems. Journal of Ambient Intelligence and Smart Environments, (Preprint), 1-23. [C2] Campanile, L., de Fazio, R., Di Giovanni, M., Marrone, S., Marulli, F., & Verde, L. (2023). Inferring Emotional Models from Human-Machine Speech Interactions. Procedia Computer Science, 225, 1241-1250.

	[C3] Di Giovanni, M., Campanile, L., D'Onofrio, A., Marrone, S., Marulli, F., Romoli, M., Verde, L. (2023). Supporting the Development of Digital Twins in Nuclear Waste Monitoring Systems. Procedia Computer Science, 225, 3133-3142. [C4] Campanile, L., de Biase, M. S., De Fazio, R., Di Giovanni, M., Marulli, F., & Verde, L. (2023, July). Merging Model-Based and Data-Driven Approaches for Resilient Systems Digital Twins Design. In 2023 IEEE International Conference on Cyber Security and Resilience (CSR) (pp. 301-306). IEEE. [C5] Amorese, T., Cordasco, G., D'Angelo, G., de Biase, M. S., Di Giovanni, M., Esposito, A., Greco C., Marrone S., Marulli F., Verde, L. (2023). Toward an Interoperable Catalogue of Multimodal Depression-Related Data. In Applied Intelligence and Informatics: Second International Conference, AII 2022, Reggio Calabria, Italy, September 1–3, 2022, Proceedings (pp. 376-390). Cham: Springer Nature Switzerland. **2022** [C6] Marulli, F., Verde, L., Marrone, S. and Campanile, L. (2022). Challenges and Trends in Federated Learning for Well-being and Healthcare. Procedia Computer Science, 2022, 207: 1144-1153. [C7] Marulli, F., Verde, L., Marrone, S. and Campanile, L. (2022) A Federated Consensus-Based Model for Enhancing Fake News and Misleading Information Debunking. In: Intelligent Decision Technologies: Proceedings of the 14th KES-IDT 2022 Conference. Singapore: Springer Nature Singapore, 2022. p. 587-596. [C8] Campanile, L., de Biase, M.S., Marrone, S., Raimondo, M., Verde, L. (2022). On the Evaluation of BDD Requirements with Text-based Metrics: the ETCS-L3 Case Study. In: Intelligent Decision Technologies: Proceedings of the 14th KES-IDT 2022 Conference. Singapore: Springer Nature Singapore, 2022. p. 561-571. [C9] Campanile, L., de Biase, M.S., Marrone, S., Marulli, F., Raimondo, M., Verde, L. (2022). Sensitive Information Detection Adopting Named Entity Recognition: a Proposed Methodology. In: Computational Science and Its Applications–ICCSA 2022 Workshops: Malaga, Spain, July 4–7, 2022, Proceedings, Part IV. Cham: Springer International Publishing, 2022. p. 377-388. [C10] Verde,L., Campanile, L., Marulli, F., Marrone, S. (2022). Speech-based Evaluation of Emotions-Depression Correlation. In: 2022 IEEE Intl Conf on Dependable, Autonomic and Secure Computing, Intl Conf on Pervasive Intelligence and Computing, Intl Conf on Cloud and Big Data Computing, Intl Conf on Cyber Science and Technology Congress (DASC/PiCom/CBDCom/CyberSciTech). IEEE, 2022. p. 1-6 **2021** [C11] Verde, L., Raimo, G., Vitale, F., Carbonaro, B., Cordasco, G., Marrone, S., & Esposito, A. (2021, November). A Lightweight Machine Learning Approach to Detect Depression from Speech Analysis. In 2021 IEEE 33rd International Conference on Tools with Artificial Intelligence (ICTAI) (pp. 330-335). IEEE. [C12] Verde, L., Marulli, F., & Marrone, S. (2021). Exploring the Impact of Data Poisoning Attacks on Machine Learning Model Reliability. Procedia Computer Science, 192, (pp. 2624-2632). DOI: 10.1016/j.procs.2021.09.032.

	[C13] De Biase, M. S., Marulli, F., Verde, L., & Marrone, S. (2021, July). Improving Classification Trustworthiness in Random Forests. In 2021 IEEE International Conference on Cyber Security and Resilience (CSR) (pp. 563-568). IEEE. DOI: 10.1109/CSR51186.2021.9527939 [C14] Marulli, F., Verde, L., Marrone, S., Barone, R., & De Biase, M. S. (2021, July). Evaluating Efficiency and Effectiveness of Federated Learning Approaches in Knowledge Extraction Tasks. In 2021 International Joint Conference on Neural Networks (IJCNN) (pp. 1-6). IEEE. DOI: 10.1109/IJCNN52387.2021.9533946 [C15] Marulli, F., Verde, L., & Campanile, L. (2021). Exploring Data and Model Poisoning Attacks to Deep Learning-Based NLP Systems. Procedia Computer Science, 192, (pp. 3570-3579). DOI: 10.1016/j.procs.2021.09.130. **2019** [C16] Verde, L., & De Pietro, G. (2019, June). An objective measure of carotid disease based on a multiparameter approach. In 2019 IEEE 32nd International Symposium on Computer-Based Medical Systems (CBMS) (pp. 584-587). IEEE. DOI: 10.1109/CBMS.2019.00121. **2018** [C17] Verde, L., & De Pietro, G. (2018). A Machine Learning Approach for Carotid Diseases using Heart Rate Variability Features. In HEALTHINF (pp. 658-664). DOI: DOI: 10.5220/0006730806580664. **2017** [C18] Naddeo, S., Verde, L., Forastiere, M., De Pietro, G., & Sannino, G. (2017, February). A Real-time m-Health Monitoring System: An Integrated Solution Combining the Use of Several Wearable Sensors and Mobile Devices. In HEALTHINF (pp. 545-552). DOI: 10.5220/0006296105450552. **2016** [C19] Verde, L., De Pietro, G., & Sannino, G. (2016, June). Vox4Health: Preliminary results of a pilot study for the evaluation of a mobile voice screening application. In International Symposium on Ambient Intelligence (pp. 131-140). Springer, Cham. DOI: 10.1007/978-3-319-40114-0_15. [C20] Verde, L., De Pietro, G., & Sannino, G. (2016, February). An Easy Approach for the Classification of Children's Voices based on the Fundamental Frequency Estimation. In HEALTHINF (pp. 570-577). DOI: 10.5220/0005849005700577. **2015** [C21] Verde, L., De Pietro, G., Veltri, P., & Sannino, G. (2015, June). An m-health system for the estimation of voice disorders. In 2015 IEEE International Conference on Multimedia & Expo Workshops (ICMEW) (pp. 1-6). IEEE. DOI: 10.1109/ICMEW.2015.7169766 [C22] Verde, L., De Pietro, G., Veltri, P., & Sannino, G. (2015, June). A noise-aware methodology for a mobile voice screening application. In 2015 6th International Workshop on Advances in Sensors and Interfaces (IWASI) (pp. 193-198). IEEE. DOI: 10.1109/IWASI.2015.7184933.
BOOK CONTRIBUTIONS WITH PEER REVIEW *(2 papers)*	**2022** [B1] Verde, L., & Sannino, G. (2022). Wearable Sensor Signals: An Overview of the AI Models Most Commonly Applied to Time Series Data Analysis. Connected e-Health, 147-163. **2020**

	[B2] Sannino, G., De Pietro, G., & Verde, L. (2020). Healthcare systems: an overview of the most important aspects of current and future m-health applications. Connected Health in Smart Cities, 213-231.
AUTHORISATIONS AND DECLARATIONS	I authorise the processing of the personal data contained in my curriculum vitae in accordance with art. 13 of Legislative Decree 196/2003 and art. 13 of EU Regulation 2016/679 on the protection of individuals with regard to the processing of personal data. 16th March 2024 Laura Verde  The undersigned Laura Verde, aware that false declarations entail the application of the penal sanctions provided for, declares, pursuant to art. 46 of Presidential Decree 445/2000, that the information given in the following curriculum vitae is true. 16th March 2024 Laura Verde