Noemi Dolciotti

EDUCATION AND TRAINING

01/11/2022 – ongoing

PhD in Information and Communication Technology (ICT) – Curriculum in Electronic Engineer

University of Rome "La Sapienza" – Department of Information Engineering and Telecommunications (DIET).

- Research activity entitled: "Bioelectromagnetism Empowered by Virtual Models"

08/02/2022 – 31/10/2022

Research Fellowship

University of Rome "La Sapienza" – Department of Information Engineering and Telecommunications (DIET).

- Research activity entitled: "3D Microdosimetry for neuronal stem cells' computational models subjected to pulsed electric filed"
- Description of research: In a research context for tissue regeneration of spinal lesions using stem cells and pulsed electric fields, 3D microdosimetric models of neuronal stem cells are developed from confocal microscopy images. We compare the response in terms of induced electric field for various cells as a function of their shape and position in the stimulator.

28/12/2019 – 28/10/2021

Master's Degree in Biomedical Engineering

University of Rome "La Sapienza" – Department of Information Engineering and Telecommunications (DIET).

- Thesis entitled: "Realistic numerical model of cranial bone: impact of trabeculae on acoustic propagation in brain stimulation by low-intensity focused ultrasound"
- Graduation grade: 110 e LODE/110

24/09/2013 – 21/10/2019

First Level Degree in Medical Engineering

University of Rome "Tor Vergata"

- Thesis entitled: "Managing diabetes with nanomedicine: challenges and new opportunities".
- Graduation grade: 98/110

October 2018 – June 2019

ANNUAL MASTER'S PROGRAMME in "3D Graphics and Animation (Professional Qualification: 3D Computer Graphics Technician)

Istituto Infobasic s.r.l.: Scuola di Alta Formazione - Pescara

- Principal Subjects: 3D Modelling, 3D Animation, Video Editing, 3D Printing, Rendering, 3D Texturing, Element Movement Management and Determination
- Master grade: 59/60

September 2008 – July 2013

DIPLOMA of Scientific High School

Liceo Scientifico "Lazzaro Spallanzani" – Tivoli (RM)

- Diploma grade: 90/100

PROFESSIONAL EXPERIENCE

March 2025 – April 2025

Short-Term Research Stay – STM BioEM Fellowship

Grant winner for the short-term BioEM mission
Title: "E-SPINE: Enhanced numerical Simulation and Planning for INtravertebral tumor Electrochemotherapy"
Host Institution: IGEA S.p.A., Carpi (MO), Italy
Funded by: BioEM Society
Project awarded through a competitive international STM call by the BioEM Society.
Research activities conducted at IGEA S.p.A, focusing on numerical modeling for electroporation-based treatment of bone metastases in animal models. The mission fostered academia–industry collaboration.

2017 - 2022

Tutor e Private Teacher

March 2021 – October 2021

Training Internship

Neuroscience and Society, Center for Life Nano Science, Istituto Italiano di Tecnologia (IIT)
Rome, Italy

The main activities involve developing a realistic numerical model of cranial bone to study the impact of trabeculae on acoustic wave propagation, specifically in the context of brain stimulation using low-intensity focused ultrasound.

May 2019 – July 2019

Professional Training

ITOP – Officine Ortopediche

3D Graphics – 3D Modelling – 3D Printing

December 2016

Apprenticeship Training

SIM Servizio Ingegneria Medica presso Policlinico Tor Vergata

- Supported the management of preventive, corrective, and extraordinary maintenance of medical devices.
- Collaborated in performing electrical safety checks and quality controls.
- Contributed to the development of engineering solutions for clinical and managerial challenges.

2015 - 2017

Animator for children

July 2010 – May 2015

Waitress

"La Tenuta di Rocca Bruna" – Geoglobo s.r.l.

DISSEMINATION OF SCIENCE

Research Activities

PARTICIPATION TO RESEARCH PROJECTS

2024 – today In Vitro Evaluation of the Impact of RF Waves Including 5G on Biological Models of Skin and Retina (5G RETINA SKIN) Project

- In the framework of interdisciplinary research supported by ANSES.
- Participation as PhD Student.
- Tasks focus on the reconstruction of detailed 3D models from confocal microscopy images of cellular cultures and mesodosimetry at 5G frequencies.

2024 – today 5G technology: bridging in vitro and in silico models to investigate the interaction mechanisms at cellular level: 5G-SMILE Project

- In the framework of PRIN 2022 program funded by the Italian Ministry of University and Research (MUR) under grant agreement N° 2022TJHHA4.
- Participation as PhD Student.
- Tasks focus on the design and development of an exposure system for real-time patch-clamp experiments at 26 GHz.

2023 – today Hi-SILICO: Highly detailed Skin models for Improved Computational Dosimetry Project

- Funded under the "Avvio alla Ricerca – Tipo 2" program under the grant agreement N° AR223188B47FE891.
- Participation as PhD Student.
- Tasks focus on the reconstruction of accurate and anatomically realistic 3D skin model.

2022 – today 5G expOsure, causaL effects, and rIsk perception through citizen engagement (GOLIAT) Project

- In the framework of the European Union's Horizon 2021 Research and Innovation under grant agreement N° 101057262.
- Participation as PhD Student.
- Tasks focus on (i) the design and development of exposure system for real-time electrophysiological experiments (MEA and patch-clamp instrumentation) and (ii) microdosimetry at 5G frequencies.

2022 - today Regeneration of Injured Spinal Cord by Electro Pulsed Bio-hybrid Approach (RISEUP) Project

- In the framework of the European Union's Horizon 2020 FET OPEN Research and Innovation under grant agreement N° 964562.
- Participation as Post-degree Student and PhD Student.
- Tasks focus on (i) the reconstruction of virtual stem cells models from confocal microscopy (ii) microdosimetry and (iii) dosimetry of the project.

Scientific Production

Journals

Dolciotti, N., D'agostino, S., Colella, M., Apollonio, F., & Liberti, M. (2025). Advances in Female Chest Modelling: Enhanced 3D Dosimetric Models Across Two Illustrative Scenarios. Bioelectromagnetics. 2025 Dec; 46(8):e70034. https://doi.org/10.1002/bem.70034

Salamanna, F., Tschon, M., Tedesco, G., Martini, L., Maglio, M., Cavazza, L., Dolciotti, N., Rossano, F., Liberti, M., Salati, S., Cadossi, M., Maria Donati, D., Campanacci, L., Giavaresi, G., Gasbarrini, A., Fini M. (2025). Application of a new coaxial bipolar electrode for the treatment of vertebral metastases: a pilot study in an ovine model. Frontiers in Medicine, 12, 1627296. https://doi.org/10.3389/FMED.2025.1627296

Fontana, S., Caramazza, L., Colella, M., Dolciotti, N., Paffi, A., Manzano, V. M., Consales, C., Apollonio, F., & Liberti, M. (2024). Advanced Microdosimetric and Neurofunctionalized Multiphysics on Stem Cells Models Under Microsecond Pulse Stimulation. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 1–10. https://doi.org/10.1109/JERM.2024.3468024

Fontana, S., Caramazza, L., Marracino, P., Cuenca Ortolá, I., Colella, M., Dolciotti, N., Paffi, A., Gisbert Roca, F., Ivashchenko, S., Más Estellés, J., Consales, C., Balucani, M., Apollonio, F., & Liberti, M. (2023). Electric field bridging-effect in electrified microfibrils' scaffolds. Frontiers in Bioengineering and Biotechnology, 11. https://doi.org/10.3389/fbioe.2023.1264406

Monography

Fontana S., Caramazza L., D'Agostino S., Dolciotti N., Pisano C., Alfonsi L., De Franceschi G., Russo P., Apollonio F., Costanzo A., Liberti M., Colella M., Formazione ed attività del nuovo Chapter Women in RadioScience nell'ambito della Commissione Italiana URSI (Formation and Activities of the New Women in RadioScience Chapter within the Italian URSI Committee), Roma: Istituto di Ricerche sulla Popolazione e le Politiche Sociali 2024, (IRPPS Monografie)

Conference Proceedings

Indexed

Dolciotti, N., Colella, M., D'agostino, S., Apollonio, F., & Liberti, M. (2025). Oblique Plane Wave Exposure at 24 GHz of an Advanced Female Anthropomorphic Model. 2025 IEEE Wireless Power Technology Conference and Expo, WPTCE 2025 - Proceedings. https://doi.org/10.1109/WPTCE62521.2025.11062195

Paffi, A., Caramazza, L., Colella, M., Dolciotti, N., Fontana, S., Apollonio, F., & Liberti, M. (2024). Pulsed Electric Fields for Regeneration of Injured Spinal Cord: Calcium Oscillations Modeling. Proceedings of the International Conference on Electromagnetics in Advanced Applications, ICEAA, 2024, 704–707. https://doi.org/10.1109/ICEAA61917.2024.10701913

Colella, M., Dolciotti, N., Nardo, L. Di, Fontana, S., Salati, S., Cadossi, R., Apollonio, F., & Liberti, M. (2024). Towards the validation of the semi-specific model to assess PEMFs neuroprotective effect through numerical dosimetry. Proceedings of the International Conference on Electromagnetics

in Advanced Applications, ICEAA, 2024, 645–648. https://doi.org/10.1109/ICEAA61917.2024.10701788

Pisano, C., Dolciotti, N., Fumarola, E., Marasà, A., Benetti, F., Valeriani, D., Paffi, A., Liberti, M., & Apollonio, F. (2024). Exposure System for Real-time 5G Electrophysiology Experiments: Numerical and Experimental Characterization. 2024 IEEE MTT-S International Microwave Biomedical Conference, IMBioC 2024, 155–157. https://doi.org/10.1109/IMBioC60287.2024.10590365

Dolciotti, N., Colella, M., D'Agostino, S., Apollonio, F., & Liberti, M. (2024). Enhancing Female Breast Modelling: Advanced Strategies in the Case Study of a Plane Wave Exposure. 2024 IEEE MTT-S International Microwave Biomedical Conference (IMBioC), 105–107. https://doi.org/10.1109/IMBioC60287.2024.10590407

Dolciotti, N., De Luca, G., Capri, C., Paffi, A., Colella, M. (2024). Numerical modelling of in vivo electrostimulation of a rat injured spinal cord. Proceedings of the 4th URSI Atlantic RadioScience Conference – AT-RASC 2024, 19–24. https://doi.org/10.46620/URSIATRASC24/AUSX1786

Fontana, S., Dolciotti, N., Moreno Manzano, V., Mir, L. M., Andre, F. M., Consales, C., Apollonio, F., & Liberti, M. (2024). Microdosimetry of μsPEFs exposure on advanced stem cells 3D models in microfibrils' scaffolds. Proceedings of the 4th URSI Atlantic RadioScience Conference – AT-RASC 2024, 19–24. https://doi.org/10.46620/URSIATRASC24/XLTI9305

Pisano, C., Dolciotti, N., Paffi, A., Liberti, M., & Apollonio, F. (2023). Real-time 5G exposure system for the electrophysiological experiments on cells. 2023 IEEE Conference on Antenna Measurements and Applications (CAMA), 962–964. https://doi.org/10.1109/CAMA57522.2023.10352725

Dolciotti, N., Colella, M., D'Agostino, S., Apollonio, F., & Liberti, M. (2023). Advanced Computational Modelling of Female Breast and 2.45 GHz Exposure. 2023 IEEE Conference on Antenna Measurements and Applications (CAMA), 1057–1060. https://doi.org/10.1109/CAMA57522.2023.10352728

Paffi, A., Caramazza, L., Colella, M., Dolciotti, N., Fontana, S., Marracino, P., Balucani, M., Apollonio, F., & Liberti, M. (2023). Electro Pulsed Devices for Regeneration of Injuried Spinal Cord: Advanced Modelling of Microdevices and Cells. 2023 International Conference on Electromagnetics in Advanced Applications, ICEAA 2023, 329–332. https://doi.org/10.1109/ICEAA57318.2023.10297845

Innamorati, G., Codazzi, C., Bergafora, G., Giardullo, P., Merla, C., Camera, F., Petidier, M. S., Vallet, L., Colella, M., Caramazza, L., Dolciotti, N., Fontana, S., Pedraza, M., Marracino, P., & Consales, C. (2023). Microsecond electric pulses effects in spinal cord injuries: Results from RISEUP project. 2023 International Conference on Electromagnetics in Advanced Applications, ICEAA 2023, 108–109. https://doi.org/10.1109/ICEAA57318.2023.10297802

Paffi, A., Caramazza, L., Colella, M., Dolciotti, N., Fontana, S., Apollonio, F., & Liberti, M. (2023). Neuro-functionalized Microdosimetric Models for Applications of Electroporation. 2023 IEEE MTT-S International Microwave Biomedical Conference (IMBioC), 1–3. https://doi.org/10.1109/IMBioC56839.2023.10304883

Innamorati, G., Camera, F., Colella, M., Pedraza, M., Bergafora, G., Merla, C., Caramazza, L., Petidier, M. S., Codazzi, C., Dolciotti, N., Fontana, S., & Marracino, P. (2023). RISEUP project: an innovative application of microsecond electric pulses for spinal cord injury regeneration. 2023 IEEE MTT-S International Microwave Biomedical Conference (IMBioC), Leuven, Belgium, 2023, pp. 1-3. https://doi.org/10.1109/IMBioC56839.2023.10305145

Liberti, M., Apollonio, F., Caramazza, L., Colella, M., D'Agostino, S., Dolciotti, N., Fontana, S., Paffi, A., & Pisano, C. (2023). The Challenge of 5G technology: Cooperative Research, Innovative Techniques and Microscopic Models in Bioelectromagnetics. 2023 IEEE MTT-S International Microwave Biomedical Conference (IMBioC), 163–165. https://doi.org/10.1109/IMBioC56839.2023.10304884

Innamorati, G., Bergafora, G., Codazzi, C., Giardullo, P., Merla, C., Camera, F., Sanchez Petidier, M., André, F. M., Caramazza, L., Dolciotti, N., Fontana, S., Pedraza, M., Moreno Manzano, V., Marracino, P., Consales, C. (2023). Microsecond electric pulses effects on stem cells: results from RISEUP project. Proceedings of the XXXVth URSI General Assembly and Scientific Symposium – GASS 2023. https://doi.org/10.46620/URSIGASS.2023.0744.XPFL7468

Caramazza, L., Dolciotti, N., Fontana, S., Colella, M., Paffi, A., Moreno-Marzano, V., Torres, N., Pedraza, M., Mir, L. M., Andre, F. M., Vallet, L., Romain, F., Consales, C., Apollonio, F., & Liberti, M. (2023). Advances in 3D realistic modeling of cells for microdosimetry studies on PEF exposure. Proceedings of the XXXVth URSI General Assembly and Scientific Symposium – GASS 2023. https://doi.org/10.46620/URSIGASS.2023.3727.YIHP7775

Innamorati, G., Codazzi, C., Giardullo, P., Bergafora, G., Camera, F., Merla, C., Vallet, L., André, F. M., Fontana, S., Caramazza, L., Dolciotti, N., Pedraza, M., Moreno Manzano, V., Marracino, P., Consales, C. (2023). Anti-inflammatory effect of microsecond pulses for spinal cord injury treatment. Proceedings of the XXXVth URSI General Assembly and Scientific Symposium – GASS 2023. https://doi.org/10.46620/URSIGASS.2023.1753.EVFL5537

Colella, M., Fontana, S., Dolciotti, N., Salati, S., Setti, S., Cadossi, R., Apollonio, F., & Liberti, M. (2023). Semi-specific dosimetry on active and placebo patients: towards assessing the neuroprotective effect of PEMFs. Proceedings of the XXXVth URSI General Assembly and Scientific Symposium – GASS 2023. https://doi.org/10.46620/URSIGASS.2023.2979.CSQO8998

Dolciotti, N., Colella, M., D'Agostino, S., Apollonio, F., & Liberti, M. (2022). Improvement of Breast Shape in a Female Whole-Body Model: A Numerical Evaluation of the Exposure to 2.45 GHz Plane Wave. 2022 52nd European Microwave Conference (EuMC), 476–479. https://doi.org/10.23919/EuMC54642.2022.9924391

Dolciotti, N., Colella, M., D'Agostino, S., Apollonio, F., & Liberti, M. (2022). Improved Anatomical Female Breast Model: 3D Realization and Its Application to Numerical Plane Wave Exposure. MELECON 2022 - IEEE Mediterranean Electrotechnical Conference, Proceedings, 1274–1278. https://doi.org/10.1109/MELECON53508.2022.9843025

Colella, M., Fontana, S., Dolciotti, N., Salati, S., Setti, S., Cadossi, R., Apollonio, F., Liberti, M. (2022). Numerical dosimetry of the neuroprotective effect of PEMFs throught a semi-specific modeling: comparison between an active and a placebo patient. Proceedings of the 3rd URSI Atlantic RadioScience Conference – AT-RASC 2022.

Not Indexed

Colella M., Dolciotti N., Di Nardo L., Fontana S., Salati S., Cadossi R., Apollonio F., Liberti M., "Assessment of the PEMFs neuroprotective effect through semi-specific numerical dosimetry: towards the validation of the model" (BioEM 2024)

Pisano C., Dolciotti N., Fumarola E., Marasà A., Benetti F., Valeriani D., Paffi A., Liberti M., Apollonio F., "Real-Time Electrophysiology Experiments: Coplanar Waveguide Exposure System for 5G" (BioEM 2024)

Colella M., Dolciotti N., De Luca G., Paffi A., Caramazza L., Fontana S., Moreno-Manzano V., Consales C., Apollonio F., Liberti M., "Evaluating Electro Pulsed Bio-hybrid in vivo electrostimulation of spinal cord injury in rats using numerical dosimetry" (BioEM 2024)

Innamorati G., Camera F., Fernandes R., Vallet L., Fontana S., Dolciotti N., Pisano C., Merla C., André F.M., Consales C., "Effects of microsecond electrical pulses on cells of the immune system " (BioEM 2024)

Fontana S., Dolciotti N., Caramazza L., Colella M., Paffi A., Moreno-Manzano V., Mir L.M., Andre F.M., Consales C., Apollonio F., Liberti M., "Microdosimetry of μsPEFs exposure on advanced stem cells 3D models in microfibrils' electrified scaffolds" (BioEM 2024)

Fontana S., Dolciotti N., Ghassabi A., Caramazza L., Cuenca Ortolà I., Colella M., Paffi A., Moreno Manzano V., Mir L.M., André F.M., Consales C., Apollonio F., Liberti M., "Microdosimetric Study to Calibrate μsPEFs Application in Two Electrodes Technology for RISEUP Project" (WCE 2024)

Dolciotti N., Caramazza L., Fontana S., Colella M., Paffi A., Moreno-Manzano V., Mannino L., Mir L.M., André F.M., Samiaa R., Consales C., Apollonio F., Liberti M., "Empowered Cellular and Subcellular Modeling for Microdosimetric Investigation of PEF Exposure" (WCE 2024)

Innamorati G., Camera F., Gisbert F., Ivashchenko S., Samiaa R., Fontana S., Dolciotti N., Colella M., Zambotti A., Merla C., André F.M., Moreno-Manzano V., Marracino P., Consales C., "Effects of microsecond electrical pulses on the inflammatory response" (WCE 2024)

Colella M., Apollonio F., Balucani M., Caramazza L., Dolciotti N., Fontana S., Marracino P., Paffi A., Liberti M., "Boosting the development of Electro Pulsed Bio-hybrid implantable devices through advanced modelling in vitro and in vivo" (WCE 2024)

Paffi A., Caramazza L., Colella M., Dolciotti N., Fontana S., Apollonio F., Liberti M., "Modeling the Calcium Oscillations Response to Pulsed Electric Fields for Spinal Cord Regeneration" (WCE 2024)

Dolciotti N., De Luca G., Capri C., Paffi A., Colella M., "Numerical modelling of in vivo electrostimulation of a rat injured spinal cord" (4th URSI AT-RASC 2024)

Apollonio A., Pisano C., Dolciotti N., Paffi A., Liberti M., " The Evolution of MW Exposure Systems: Laboratory Experiments in the Era of 5G Technology" (EuMW 2024)

Pisano, C., Dolciotti, N., Paffi, A., Apollonio, F., Liberti M. "Real-time 5G exposure system for the electrophysiological experiments on cells: numerical study and experimental validation" (BioEM 2023)

Fontana, S., Colella, M., Dolciotti, N., Salati, S., Setti, S., Cadossi, R., Apollonio, F., Liberti, M., "Semi specific modelling and numerical dosimetry of active and placebo patients to assess the PEMFs neuroprotective effect" (BioEM 2023)

Dolciotti, N., Caramazza, L., Fontana, S., Colella, M., Marracino, P,. Moreno-anzano, V., Pedraza, M., Mir, L. M., Andre, F.M., Vallet, L., Fernandes, R., Consales, C., Apollonio, F., Liberti, M., "Realistic model of cell and its internal organelles: 3D model realization procedure and microdosimetric analysis of microsecond pulse exposure of a mixture of cells" (BioEM 2023)

Cuenca-Ortolá, I., Caramazza, L., Fontana, S., Dolciotti, N., Apollonio, F., Innamorati, G., Moreno Manzano, V., Marracino, P., André, F. M., Mas Estellés, J., Martínez-Ramos, C., Monleón Pradas, M., Liberti M., "A Modelling Study on the Effect of a Pulsed Electric Field on a Realistic Shaped Cell

Comparing Two Electrodes' Dispositions: facing versus coplanar electrodes (BioEM 2023)

Fontana, S., Colella, M., Dolciotti, N., Salati, S., Setti, S., Cadossi, R., Apollonio, F., Liberti M., "Numerical dosimetry of the PEMFs neuroprotective effect throught a semi-specific modeling: comparison between an active and a placebo patient" (ICEmB 2022)

Caramazza, L., Giustini, B., Dolciotti, N., Moreno-Manzano, V., Torres, N., Pedraza, M., Mir, L.M., Andre, F.M., Vallet, L., Fernandes, R., Consales, C., Apollonio F., and Liberti M., "Advanced Microdosimetric Investigations through a Realistic Modelling of Cells and Intracellular Organelles" (BioEM 2022)

International Congresses and Conferences

- 03-06 June 2025: oral presentation, "*Oblique Plane Wave Exposure at 24 GHz of an Advanced Female Anthropomorphic Model*" IEEE Wireless Power Technology Conference and Expo 2025 (WPTCE), Rome, Italy
- 02-07 May 2025: poster presentation, *"Empowered Cellular and Subcellular Modeling for Microdosimetric Investigation of PEF Exposure"*. Course of International School on Bioelectromagnetism «Alessandro Chiabrera» on "Advances in electroporation-based therapy: From principles to clinical applications", Erice (TP), Italy.
- 15-19 September 2024: oral presentation, "*Empowered Cellular and Subcellular Modeling for Microdosimetric Investigation of PEF Exposure*". 5th World Congress on Electroporation and Pulsed Electric Fields in Biology, Medicine and Food & Environmental Technologies 2024 (WCE2024), Rome, Italy.
- 11-13 June 2024: oral presentation, "*Enhancing Female Breast Modelling: Advanced Strategies in the Case Study of a Plane Wave Exposure*". IEEE International Microwave Biomedical Conference 2024 (ImBIOC), Montreal, QC, Canada.
- 15-17 Nov 2023: oral presentation, "*Advanced Computational Modelling of Female Breast and 2.45 GHz Exposure*". IEEE International Conference on Antenna Measurements and Applications 2023 (CAMA), Genova, Italy.
- 18-23 June 2023: oral presentation, "*Realistic model of cell and its internal organelles: 3D model realization procedure and microdosimetric analysis of microsecond pulse exposure of a mixture of cells*". Bioelectromagnetic Society Conference 2023 (BioEM), Oxford, UK.
- 26-31 March 2023: volunteer onsite student staff, 17th European Conference on Antennas and Propagation (EuCAP), Florence, Italy
- 7-9 November 2022: staff member for the ICNIRP Commission Meeting 2022, Rome, Italy.
- 25-30 September 2022: volunteer onsite student staff and oral presentation, "*Improvement of Breast Shape in a Female Whole-Body Model: A Numerical Evaluation of the Exposure to 2.45 GHz Plane Wave*". European Microwave Week (EuMW), Milan, Italy.
- 14-16 June 2022: oral presentation, "*Improved Anatomical Female Breast Model: 3D Realization and Its Application to Numerical Plane Wave Exposure*". 21st IEEE Mediterranean Electrotechnical Conference (MELECON), Palermo, Italy.
- 28 August – 4 September 2021: volunteer onsite student staff, XXXIV General Assembly and Scientific Symposium (GASS) of the International Union of Radio Science, Rome, Italy.
- 20 – 21 May 2021: partecipation in the conference "FORM 2021 - 7° Convegno Nazionale del Forum On Regenerative Methods", Istituto Superiore di Sanità, Rome, Italy.
- 28 – 29 September 2020: partecipation in the conference "Patient Specific Diagnostics for Cardiovascular Diseases (PSDCD)- Imaging Funzionale Personalizzato", Metasardinia srls, Cagliari, Italy.

PERSONAL SKILLS

- *Language Skills*

Native Language: Italian

Other

	UNDERSTANDING		SPEECH		WRITTEN PRODUCTION
	LISTENING	READING	INTERACTION	ORAL PRODUCTION	
English	B2	B2	B2	B2	B2
Spanish	A2	A2	A2	A2	A2

- *Computer Skills*

3D modelling software: Blender – Autodesk 3ds Max – Autodesk Maya 3D – Rhinoceros – SketchUp – AutoCAD

Software for Visualization, Analysis and Segmentation of Medical Images: RadiAnt DICOM – Slicer 3D – Seg3D – BrainSuite

Multiphysics Electromagnetic Simulation Software	COMSOL Multiphysics – Sim4Life – kWave – CST Suite
Programming Language	Matlab – Python – LabView
3D Printing Software	Simplify 3D – Ultimaker Cura 3D – MeshMixer
Adobe package	Photoshop – Illustrator – After Effects
Office package	Word – PowerPoint - Excel - OneNote