

CURRICULUM VITAE ET STUDIORUM OF LORETO DI DONATO

(updated September 2026)

PERSONAL INFORMATION

- **Date of birth:** 24 June 1983
- **Nationality:** Italian
- **email:** loreto.didonato@unict.it
- **Phone office:** +39 095 738 2383
- **Phone mobile:** +39 339 874 1865
- **Address:** Via Santa Sofia 64, Catania I-95125
- **Office:** Room 5 – Building 13 (Department of Electrical, Electronics and Computer Engineering)
- **Institutional webpage:** <https://www.dieei.unict.it/faculty/loreto.didonato>

ACADEMIC CAREER AND POSITIONS

- [2002-2008] Bachelor and Master of Science Degree in Biomedical Engineering at University "Federico II" of Naples
- [2008-2009] Research grant at the Institute for the Electromagnetic Sensing of the Environment (IREA) – Research National Council of Italy (CNR) in Naples
- [2009-2012] PhD in Information Engineering at "Mediterranea" University of Reggio Calabria (2012)
- [2012-2017] Assistant Professor (RTD-A) at University of Catania
- [2017-2020] Assistant Professor (RTD-B) at University of Catania
- [2021-current] Associate Professor at University of Catania

TEACHING ACTIVITIES AND PHD SUPERVISION

- Electromagnetic Fields (9CFU) - a.y. 2013-2014 (M.S. in Communications Eng. and in Electronics Eng.)
- Electromagnetic Fields and Propagation (9CFU) - a.y. 2014-2015, 2015-2016 - (M.S. in Communications Eng. and in Electronics Eng.)
- Microwave Engineering (9CFU) - a.y. 2016-2017, 2018-2019, 2019-2020 (M.S. in Communications Eng.)
- Transmission Lines and Antennas (9CFU) – a.y. 2020-2021 (M.S. in Communications Eng.)
- Transmission Lines and Antennas (3CFU) – a.y. 2021-2022 (M.S. in Communications Eng.)
- Radar and Remote Sensing (9CFU) – a.y. 2021-2022 (M.S. in Communications Eng.)
- Antennas and Radiopropagation (3CFU) – a.y. 2022-2023 (M.S. in Communications Eng.)
- Radar Imaging and Remote Sensing (9CFU) – a.y. 2022-2023 (M.S. in Communications Eng.)
- Advisor of 25 B.S. and M.S. degree thesis (since 2013)
- Supervisor of 3 PhD students XXXVII and XXXVIII cycle (current)

OTHER WORK EXPERIENCES AND PROJECT ACTIVITY

- Project collaboration agreement ("Contratto di prestazione d'opera in regime di lavoro autonomo occasionale") at Dipartimento di Ingegneria Biomedica, Elettronica e delle Telecomunicazioni (DIBET) University "Federico II" of Naples for the activity "Evaluation of the exposure risk to electromagnetic fields in urban environments"
(01/01/2009 – 28/02/2009)
- Project collaboration agreement ("Contratto di prestazione d'opera in regime di lavoro autonomo occasionale") at IREA - CNR of Naples for the activity "Performance optimization of an electromagnetic simulator and generation of data-sets for the assessment of imaging approaches developed at IREA"
(28/06/2010 – 28/08/2010)

- Project collaboration agreement ("Contratto di collaborazione a progetto") with CNIT (Consorzio Nazionale Interuniversitario per le Telecomunicazioni) for the activity "Linear microwave tomography approaches for imaging of buried mines" (funded by EU-FP7 D-BOX project) (16/06/2014 – 31/10/2014)
- Project collaboration agreement ("Contratto di collaborazione a progetto") with CNIT (Consorzio Nazionale Interuniversitario per le Telecomunicazioni) for the activity "Development and validation of approaches based on the Virtual Experiments framework for microwave tomographic imaging of plastic mines in multistatic measurement configurations" (funded by EU-FP7 D-BOX project) (24/06/2015 – 30/09/2015)
- Scholarship ("Borsa di studio") at the Institute for the Electromagnetic Sensing of the Environment (IREA) of the National Research Council (CNR) of Naples, for the study and research activity "Study of electromagnetic diffusion for the case of localized magnetic anomalies in a non-magnetic scenario whose dielectric and conductive characteristics are known a priori and relative formalization of approaches for direct and inverse problems" (16/02/2009 – 23/12/2009)
- Principal Investigator (PI) for the Department of Electrical, Electronic, and Information Engineering (DIEEI) for the interdepartmental research project "VOLTMETER: In vivo and in vitro exposure evaluation of the 22-electromagnetic field in the millimeter band of 5G" (in collaboration with the Department of Biology, Geology, and Environmental Sciences) funded within the framework of the University Research Incentive Plan (PIACERI) (01/07/2020 – 31/06/2022)
- Scientific reference for the Department of Electrical, Electronic, and Information Engineering for the Non-Disclosure Agreement between the ST-Microelectronics, the company CoreHW (<https://www.corehw.com/>) and the University of Catania for the research activities on "Design of algorithms techniques for AoA-AoD estimation and design of array antenna solutions" (28/01/2021 – current)
- Scientific investigator for the project funded under the University Research Incentive Plan (PIACERI) 2020-2022 - Starting Grant line for RTD-B researchers - entitled "Profilometry via Learning Approaches and Scattering Models based Advanced REconstructions" (PLASMARE) (16/03/2021 – 31/10/2022)
- Principal Investigator of the University of Catania Research Unit in the PE14-RESTART project (Future Telecommunications - PNRR) funded by the Ministry of University and Research, for the research line "Integrating Sensing and Communications for a Greener Environment" (ISaCAGE) (01/01/2023 – 31/12/2025)

ADMINISTRATIVE ROLE AND POSITION RESPONSIBILITY

- Member of the Ph.D. School in INGEGNERIA DEI SISTEMI, ENERGETICA, INFORMATICA E DELLE TELECOMUNICAZIONI of the University of Catania (2013-2020)
- Member of the Ph.D. School in INGEGNERIA DELL'INFORMAZIONE of the University "Mediterranea" of Reggio Calabria Catania (2021 – current)
- Advisor of an International Student Traineeship from the SNN College of Chennai (India) (01/06/2019 – 31/07/2019)
- External reviewer of a project proposal for NWO Talent Programme/call for proposals 2021 by the Dutch Research Council.
- Advisor of 2 PhD students (University of Reggio Calabria) and 1 PhD student (University of Catania).

SCIENTIFIC ORGANISATIONS/COORDINATION OF ACADEMIC ACTIVITIES

- Lecturer at the European School of Antennas (European School of Antennas) “Microwave Imaging and Diagnostics: Theory, Techniques, and Applications”, Taormina (Italy), (from 10/10/2016 to 14/10/2016)
- co-Chair of the RUNIONE NAZIONALE DI ELETTROMAGNETISMO (Società Italiana di Elettromagnetismo), Catania. (from 18/09/2022 to 21/09/2022)
- Session Chairman “Subsurface Sensing and Ground Penetrating Radar II” at the 2015 INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM (IGARSS 2015), Milan, 26-30 July 2015
- Member of the Technical Program Committee of the XXI Mediterranean Microwave Symposium 2022 (from 09/05/2022 to 13/05/2022)
- Scientific Session Organizer at PIERS 2023 (Photonics and Electromagnetics Research Symposium), Prague 3-6 July 2023, Inverse Scattering Problems: Theory and Applications in Imaging and Design

EDITORIAL ACTIVITY

- Associate Editor of The Journal of Engineering (IET) – The Institution of Engineering and Technology
- Associate Editor of Journal of Imaging (MDPI) – Multidisciplinary Digital Publishing Institute
- Associate Editor of Frontiers in Remote Sensing
- Author of the book chapters: M.T. BEVACQUA, L. CROCCO, L. DI DONATO, T. ISERNIA, R. PALMERI (2017). Virtual Experiments and Compressive Sensing for Subsurface Microwave Tomography. In: COMPRESSIVE SENSING OF EARTH OBSERVATIONS, edited by: C.H. Chen, CRC Press, ISBN: 978-1-4987-7437-6
- Guest Editor: Microwave Imaging and Electromagnetic Inverse Scattering Problems, L. Di Donato, A. Morabito. Journal of Imaging – MDPI (2019)
- Author of the CNIT (Consorzio Nazionale Interuniversitario per le Telecomunicazioni) technical report: L. Di Donato, S. C. Pavone, G. Sorbello, “Millimeter wave imaging profilometry for plasma diagnostics: analysis, design and preliminary assessment” (in press)

PRIZES AND AWARDS

- Young Researcher at XIII International Conference on Ground Penetrating Radar (2010)
- Young Scientist Award at the XXX General Assembly of the Union of Radio Science (2011)
- Honorable Mention from the IEEE-Microwave Theory and Techniques Society and Antennas and Propagation Society (Center and South Italy Chapter) in a young research best paper competition (2012)
- Prize "Gaetano Latmiral" from the Italian Society of Electromagnetism (SIEM) (2016)

MEMBERSHIP OF SCIENTIFIC SOCIETIES

- Member of the Institute of Electrical and Electronics Engineers (IEEE)
- Member of the Società Italiana di Elettromagnetismo (SIEM)
- Member of the Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT)

BIBLIOMETRY INDICATORS AND PUBLICATIONS

[Loreto Di Donato - Google Scholar](#)

[Di Donato, Loreto - Author details - Scopus](#)