

## **Curriculum completo**

She obtained his classical high school diploma with a grade of 60/60 from the Liceo-Ginnasio 'Torquato Tasso' in Salerno. He graduated with honours in Civil Hydraulic Engineering from the Faculty of Engineering at the University of Naples Federico II (1989) and obtained a PhD on numerical hydraulic modelling issues in the territorial field (1993).

He is currently Full Professor of Geomatics in the 08 CEAR 04-Geomatics sector (formerly Scientific Disciplinary Sector, SSD ICAR/06 Topography and Cartography) at the University of Bergamo, Department of Engineering and Applied Sciences (DISA), member of the Department Engineering and Applied Sciences Council and is affiliated with the L23 degree course in Building Technology Engineering, the LM24 master's degree course in Building Construction Engineering and the interclass master's degree course in Geourbanistics at the University of Bergamo. She currently teaches "Geomatic Surveying Techniques" in the L23 degree course in Building Technology Engineering, "Geomatic Monitoring" in the LM24 master's degree course in Building Construction Engineering at the DISA Department of the University of Bergamo, and 'Project Cartography' in the interclass and interdepartmental master's degree course in Geo-Urbanistics at the University of Bergamo. Since the 2020-2021 academic year, she has been a member of the PhD programme in Engineering and Applied Sciences at the School of Engineering of the University of Bergamo and lecturer for the course 'Uncertainty of measurements and statistical treatment of observations'. She is currently a member of the PhD programme in 'Sustainable Technologies for Industrial and Construction Engineering' at the School of Engineering of the University of Bergamo.

Since 1999, she has taught courses under the old and new systems in Topography, Applied Photogrammetry, Digital Cartography and Geographic Information Systems, GPS and GIS Laboratory, Topography and Geomatic Monitoring Techniques at the University of Naples Federico II, the University of Sannio, the University of Cassino and Southern Lazio until 28 February 2019, and then at the University of Bergamo.

From 1996 to 2003, she was an adjunct professor at the University of Naples Federico II and the University of Cassino and Southern Lazio, teaching courses related to SSD ICAR/06 Topography and Cartography.

From July 2003 to February 2019, she was a permanent researcher in Topography and Cartography at the University of Cassino and Southern Lazio, Department of Civil and Mechanical Engineering (DICEM) and a member of the Doctoral College of the DICEM Department.

After transferring to the University of Bergamo, from 1 March 2019 to 1 January 2022, she was a permanent researcher in Topography and Cartography at the University of Bergamo, Department of Engineering and Applied Sciences (DISA).

Qualified since 26 May 2016 as an associate professor, from 1 January 2022 to 28 February 2023 she was Associate Professor of Topography and Cartography at the Department of Engineering and Applied Sciences (DISA) of the University of Bergamo.

Qualified since 29/11/2017 as a full professor, she has been Full Professor of Topography and Cartography at the University of Bergamo, Department of Engineering and Applied Sciences (DISA) since 1 March 2023.

He is currently supervising the research activities of a fixed-term RTD researcher a) in the CEAR 08/A4 Geomatics sector, starting from 1 November 2025.

Supervisor of four PhD students and supervisor of their respective doctoral theses, supervisor of numerous bachelor's and master's theses, she has been and continues to be a scientific tutor for student interns at accredited companies in Italy and abroad.

Chair of Working Group 2 – Commission V “Education and Outreach” of the ISPRS (International Society for Photogrammetry and Remote Sensing) for the four-year period 2022-2026

Co-Chair of Working Group 3 - Promotion of International Collaborative Education Programmes - of Commission VI of the ISPRS (International Society for Photogrammetry and Remote Sensing) from 2012 to 2016

Member of AUTECH (Association of University Surveyors and Cartographers) and RPSSoc (Remote Sensing and Photogrammetry Society); member of SIFET (Italian Society of Photogrammetry and Topography).

Member of the Scientific Committee of SIFET and member of the Training Commission for the four-year period 2015-2018 and the four-year period 2019-2022.

Member of the International Commission of the IAG (International Association of Geodesy) IC-SG 2: MULTIREOLUTIONAL ASPECTS of POTENTIAL FIELD THEORY for the four-year period 2016-2019.

Member of CIPA (Comité Internationale de Photogrammetrie Architecturale), one of the first International Scientific Committees of ICOMOS (International Council on Monuments and Sites).

From 14/01/2008 to 18/03/2008 visiting professor at the Department of Civil, Environmental and Geomatic Engineering of the University College of London, UK.

Scientific collaboration with the University of Cluj Napoca, Romania, and visiting professor at the Department of Ancient History and Archaeology of Babes-Bolyai University, Cluj Napoca, Romania, through selection of the Erasmus Plus K107 project in the field of Cultural Heritage (February 2016). On the occasion of the 65th anniversary of the founding of the University of Cluj Napoca (Romania), invited speaker at a seminar entitled: ‘Mapping and 3D models for the reconstruction of archaeological sites and findings’ at the Department of Ancient History and Archaeology of Babes-Bolyai University, Cluj Napoca, Romania, 13 November 2018.

Selected as the winner of an Erasmus Plus K107 project at the University of Bergamo, visiting professor at the University of Tunis, El Manar, for a series of lectures and seminars entitled: ‘GNSS systems’; ‘Innovative geomatic techniques for surveying and modelling in archaeology’; ‘Precision Farming’ and ‘Contribution of geomatics to emergency management and climate change’ and speaker at a seminar entitled: ‘Geomatics and Agriculture’ at the Journée Portes Ouvertes de Geomatique symposium, 5th edition (13 February 2020) at the Faculté des Sciences de Tunis (Tunisia).

Referee for indexed international journals: Journal of Earth Systems Science; Celestial Mechanics and Dynamical Astronomy; Journal of Geodesy; Studia Geophysica et Geodaetica; ISPRS International Journal of Geo-Information; ISPRS Congresses and Conferences; Surveys in Geophysics; Geographical Journal International; Optical Engineering and Photonic Technology as part of the IMETI 2009 International Symposium - International Multi-Conference Engineering Technological Innovation-Florida, USA.

Reviewer for the journal Bollettino SIFET, Bulletin of the Italian Society of Photogrammetry and Topography Member of the Board of Referees for the national bimonthly journal Scienze e Ricerche (2016).

Guest Editor 2022 and 2023 of the Special Issue 'Precision farming and control crop production' of the journal Agronomy, ranking (Q1)

Guest Editor 2024 and 2025 (1st and 2nd editions) of the Special Issue 'Deep learning Spectral Spatial-Hyperspectral Image Classification' of the journal Remote Sensing, ranking (Q1)

Guest Editor 2026 of the Special Issue " Digitalization and metrology for Cultural Heritage " of the journal Measurement Digitalization.

Head of local research units at the University of Cassino and Southern Lazio and the University of Bergamo in the national research projects PRIN 2005, 2006, 2007, 2009, 2011, 2012, 2015, 2017 and member of projects FIRB 2009, 2011, PRIN 2020, 2021.

His main research interests concern surveying and monitoring with integrated geomatics techniques; new approaches to the study of gravity and the Earth's gravitational field; applications of photogrammetry, laser scanning, LIDAR and geographic information systems to cultural heritage; 3D modelling of archaeological sites; geomatics applications in risk analysis and emergency management; geomatics monitoring of structures; innovative geomatics techniques in precision agriculture; fuzzy logic and its applications in the environmental and urban fields; digital terrain models and urban landscape mapping; issues relating to digital cartography, research and implementation of digital algorithms used in Geographical Information Systems (GIS); use of innovative precision surveying techniques and their integration (MEMS sensors, UAV platforms); multi-criteria analysis applied to industrial urban regeneration contexts.

She has organised national conferences and special sessions at international workshops and conferences and has participated as a speaker at numerous national and international congresses and conferences in her scientific field, including some of international importance:

2025 International Conference on Metrology for Archaeology and Cultural Heritage, Bergamo, Italy, 15-17 October 2025

Geospatial Week 2025, Dubai, UAE, 6-11 April 2025

2024 IEEE International Conference on Metrology for Archaeology and Cultural Heritage, Valletta, Malta, 7-9 October 2024

ISPRS Technical Commission V Midterm Symposium 'Insight to Foresight via Geospatial Technologies', Philippine International Convention Centre, Manila, Philippines, 6-8 August 2024

2023 International Conference on Metrology for Archaeology and Cultural Heritage, Rome, Italy, 19-21 October 2023

Geospatial Week 2023, Cairo, Egypt, 2-7 September 2023  
XXIV Congresso ISPRS, Società Internazionale di Fotogrammetria e Telerilevamento, Nizza, Francia, 6-11 giugno 2022  
2022 IMEKO, TC4 Conferenza Internazionale sulla Metrologia per l'Archeologia e i Beni Culturali, Università della Calabria, Rende (CS), 19-21 ottobre 2022  
XXIV Congresso ISPRS, Società Internazionale di Fotogrammetria e Telerilevamento, Nizza, Francia, 14-20 giugno 2020 e luglio 2021 (edizioni virtuali)  
IMEKO, TC4 Conferenza Internazionale Virtuale sulla Metrologia per l'Archeologia e i Beni Culturali, Trento, Italia, 22-24 ottobre 2020 (edizione virtuale)  
IMEKO, TC4 Conferenza internazionale sulla metrologia per l'archeologia e i beni culturali, Firenze, Italia, 4-6 dicembre 2019  
Simposio intermedio ISPRS TCV, Commissione tecnica V, "Tecnologia geospaziale: dai pixel alle persone", Dehradun, India, 20-23 novembre 2018  
IV Conferenza internazionale IEEE sulla metrologia per l'archeologia e i beni culturali, Cassino, Italia, 22-24 ottobre 2018  
XXVII Conferenza internazionale "Simulazioni matematiche e informatiche nella meccanica dei solidi e delle strutture" MCM 2017, 25-27 settembre 2017, San Pietroburgo, Russia  
I Congresso Internazionale "Geomatica e Restauro - Conservazione dei Beni Culturali nell'Era Digitale", Firenze, Italia, 22-24 maggio 2017  
26° Simposio Internazionale CIPA, "Flussi di lavoro digitali per la conservazione del patrimonio", 28 agosto-1 settembre 2017, Ottawa, Canada  
XXIII Congresso ISPRS (International Society Photogrammetry and Remote Sensing), Praga, 12-19 luglio 2016  
Workshop ISPRS Commissione VI, WG 1; WG 2; WG 3 "Advances in Web-based Education services" Berlino, Germania, 18-19 giugno 2015  
Simposio di metà mandato Commissione VI/ISPRS, "Condivisione di dati, informazioni e conoscenze per la geo-educazione", 17-19 maggio 2014, Wuhan, Cina  
VIII Simposio Hotine Marussi sulla geodesia matematica, 17-20 giugno 2013, Roma, Italia  
XXII Congresso ISPRS "Immaginare un futuro sostenibile", 25 agosto-1 settembre 2012, Melbourne (Australia)  
Simposio internazionale 2010 della Società di telerilevamento e fotogrammetria e Osservazione terrestre irlandese (2010 RSPSoc) 1-3 settembre 2010 University College, Cork (Irlanda)  
VII Simposio Hotine Marussi sulla geodesia matematica 6-10 luglio 2009 Roma, Italia  
COMGEO I Simposio internazionale sulla geomeccanica computazionale, 29 aprile-1 maggio 2009 Juan Les Pens (Francia)  
XXI Congresso ISPRS 2008 "La Via della Seta per le informazioni dalle immagini" luglio 2008, Pechino (Cina)  
ICMIC 2008, Conferenza internazionale sulla modellizzazione, l'identificazione e il controllo, 29 giugno-1 luglio 2008, Shanghai (Cina)  
XXth International Symposium CIPA 26 September-1 October 2005 Turin, Italy He participated in SIFET refresher courses and Advanced Professional Training courses at CISM, International Centre for Mechanical Sciences (Udine), including: 'Terrestrial Laser Scanning Technology' (November 2004); 'Surveying Techniques for a Road Registry in Italy' (February 2006); 'Laser Scanning Surveying for Civil Engineering and Architecture' (December 2007). 'Remote Sensing of Earthquake Engineering' at the Rose School (Institute for Advanced Study of Pavia, IUSS), University of Pavia (April 2008).  
She is the author and co-author of numerous papers on topics related to SSD ICAR/06 Topography and Cartography presented at national and international conferences and published in indexed international and national journals and conference proceedings.

## **AWARDS**

Best Paper Award ISPRS alla Geospatial Week 2025, 6-11 aprile 2025, Dubai, Emirati Arabi Uniti, per il paper presentato: "Advances in precision farming : a contribution for estimating crop health and water stress by comparing UAV Multispectral and Thermal Imagery" (cod. Scopus: 2-s2.0-105013166886).

Certificate of recognition awarded from the International Society for Photogrammetry and Remote Sensing- Commission V : Education and Outreach " for her precious contribute as Working Group Officer at the symposium of the Technical Committee V dell'ISPRS on" Insight to Foresight via Geospatial Technologies" nell'anno 2023.

Best Poster Paper Award al XXIV Congresso ISPRS, Nizza (Francia) 6-11 June 2022 for the presentation " Multi-criteria analysis in the management of temporary reuse of spaces" (cod. Scopus: 2-s2.0-85132014549)

Paper Award ISPRS at the International Conference IEEE MetroArcheo 2018, Metrology for Archaeology and Cultural Heritage, Cassino (Italia), 22-24 October 2018 per the presentation: "Mapping of archaeological evidence and 3D models for the historical reconstruction of archaeological sites" (cod. Scopus: 2-s2.0-85065640298).

Reviewer certificate for the journal Survey in Geophysics in 2021.

In May 2024, following a comparative assessment at the University of Bergamo, she was appointed scientific director of a two-year STARS Experienced research grant entitled 'T.AGRIF. Remote Sensing for AGRI Food' at the Department of Engineering and Applied Sciences, Applied Sciences, GSD 08/CEAR-04 Geomatics (formerly SSD ICAR/06- TOPOGRAPHY AND CARTOGRAPHY). Duration: 24 months.

In October 2023, she was the scientific director of a scholarship on the subject: 'Study of the impact of climate change on cultural heritage in the city of Naples through remote sensing tools, with reference to temperature and precipitation trends, as well as extreme events such as heat waves, heavy rainfall and coastal flooding', as part of WP3 Model CIC-specific Demonstrator Pathways for the research activities of the European KNOWING Project - Framework for defining climate mitigation pathways based on understanding and integrated assessment of climate impacts, adaptation strategies and societal transformation', at the Interdepartmental Research Centre Laboratory of Urban and Regional Planning 'Raffaele d'Ambrosio" (L.U.P.T.) of the University of Naples Federico II. Duration: 6 months.

In 2022, following a comparative assessment at the University of Bergamo, she was appointed scientific director of an annual STARS Early Stage GSD 08/CEAR-04 Geomatics research grant 'Computational methods for the study of the gravitational field and its anomalies' to develop a computational approach to derive exact solutions of the gravitational potential gradient for bodies of arbitrary shape and variable density both horizontally and vertically. Duration 12 months

In 2020, she was responsible for an annual grant for 'Vocational guidance activities in the field of Construction Engineering' (POTDISA 1819-Plans for Guidance and Tutoring project) with contract no. 50217/ VII/16 of 6/3/2020 and subsequent appendix prot. 167272 /VII/16 of 23 710/2020 to contact institutes and secondary schools in Bergamo and its province and in the

province of Milan, to begin planning educational guidance activities and seminars, in collaboration with the representatives and managers of the educational institutions.

### **THIRD MISSION ACTIVITIES**

General Chair of the 2025 IMEKO International Conference on Metrology for Archaeology and Cultural Heritage, Bergamo, Italy, which took place from 15 to 17 October 2025, during which the public engagement event “IN-CANTO con DONIZETTI” (15 October 2025) was held. Following the invited scientific presentations: “Aerospace Technologies and Artificial Intelligence for the Protection of Cultural Heritage” by Lt. Col. Giuseppe Marseglia of the Carabinieri Command for the Protection of Cultural Heritage and 'The history of the Bergamo irrigation ditches' by Dr Mario Reduzzi, Manager and Director of the Consorzio di Bonifica della Media Pianiura Bergamasca (Bergamo Mid-Plain Land Reclamation Consortium) and Director of the ANBI Lombardia association, a public engagement event was held in the form of a concert by soloists accompanied by piano, wind instruments and strings, performing the most important arias by the famous Bergamo composer Gaetano Donizetti.

Member of the interdepartmental working group for the Bergamo Next Level 2025 event of the ‘Chiedilo all'Acqua’ (Ask Water) project (November 2024-May 2025), University of Bergamo project, and organiser within the Bergamo Next Level event of the event ‘From drought to resilience: building a sustainable water future’ held on 8 May 2025. The round table with experts and representatives from the academic and institutional world addressed issues related to water and water resource management in terms of emergencies and crises in order to explore new perspectives and strategies capable of transforming awareness into action.

Participant in the interdepartmental Public Engagement project of the University of Bergamo ‘Pink Project’ with an activity entitled: ‘Let's observe the Earth’ (12-15 November 2024). The project involves training courses and workshops aimed at female students from lower secondary schools (third year) in various STEM disciplines and subjects, in line with the objective of strengthening knowledge of scientific subjects in the school curriculum in order to prevent future school dropouts due to uninformed choices on the part of users. At the International Fair of “Ergonomics of Pathways” held at the University of Cassino and Southern Lazio on 25-26 October 2024, sponsored by the University of Bergamo, he represented the University of Bergamo with a presentation entitled: “The role of the Geourbanist in the Ergonomics of Territories”.

Member of the interdepartmental working group and public engagement activities on the centenary of the Gleno Valley disaster, with a contribution entitled: “Dams and Reservoirs: some considerations on the centenary of the Gleno Valley disaster” published in the volume ““Starting from what remains – The Gleno disaster between history and landscape, memory and future (1923-2023)” Publisher Franco Angeli (2023)

At the 64th International Scientific Conference of Riga Technical University, invited speaker at a seminar entitled: ‘Some Geomatic Techniques for Archaeology and Cultural Heritage’ at the Department of Civil Engineering, Riga Technical University (Latvia), 17 October 2023.

Speaker at a seminar entitled: ‘Close-range imagery for reconstructing archaeological findings’ at the New Linear Life 2022 International Summer School ‘Digital Health

Technologies' organised at the Engineering Campus of the University of Bergamo in collaboration with the University of Riga (Latvia) from 25 to 29 July 2022.

Organisation of a Public Engagement Workshop entitled 'T.A.S.S.E.-Topography Applied to Emergency Rescue' held at the Engineering Campus, University of Bergamo, on 20 September 2019, in collaboration with the Provincial Fire Departments of Bergamo, Varese, Frosinone and Pescara.

During the years 2019/2020/2021, she was co-coordinator of the MUR POT Project Orientation and Tutoring, for 'Vocational orientation activities in the field of Construction Engineering' as part of the project related to the Orientation and Tutoring Plans (POT) (project code POTDISA 1819) for the coordination and organisation of seminars; guidance and tutoring of students enrolled in degree courses at the University of Bergamo; for the introduction of first-year university students to their first year of study; for the coordination of the project in all its phases; for support in defining workshops and activities that can be used for vocational guidance in the field of construction engineering; for support in the implementation of selected workshops at the schools involved in the project; for support in the development of informational material.

Organiser and coordinator in the years 2020-2022 of POT project guidance activities and educational seminars for students of higher education institutions, including IIS "Vanoni" in the municipality of Vimercate; IIS "Mosè Bianchi" in the municipality of Monza; IIS "Amaldi" in the municipality of Alzano Lombardo; IIS 'G. Quarenghi' in the municipality of Bergamo; IIS 'M. Rigoni Stern' in the municipality of Bergamo; IIS 'C. Cattaneo' in the municipality of Milan; IIS "G. Galilei" in the municipality of Caravaggio (Bergamo).

Co-coordinator from 2020 to 2022 for the DISA Department of the University of Bergamo, of the TQP (Teaching Quality Programme) project, first-year orientation and tutoring for freshmen.

Intensive Third Mission and Public Engagement activities carried out between 2004 and 2018 at the University of Cassino and Southern Lazio and, since 2019, at the University of Bergamo through the organisation of Open Days, Science Week, Researchers' Night; orientation activities and educational seminars; organisation of school-work alternation programmes; technical visits; scientific tutoring of student teams for participation in competitions and awards, including the Ada Lovelace Award for Schools (3rd place), March 2017, achieved at the University of Cassino and Southern Lazio.

Delegate of the Rector of the University of Cassino and Southern Lazio to present the educational offer of the University of Cassino and Southern Lazio at the "Campus Italia" event organised in Tunis (Tunisia) by the Ministry of Foreign Affairs (MAE), the MIUR and the Italian Cultural Institute in Tunis, 8-10 November 2017.

Member of the Timetable Committee at the Department of Civil and Mechanical Engineering (DICEM) of the University of Cassino and Southern Lazio from 2008 to 2015

Member of the Review Committee at the DICEM Department of the University of Cassino and Southern Lazio from 2016 to February 2019

Member of the Quality Assurance Committee at the DICeM Department of the University of Cassino and Southern Lazio until February 2019.

### **ORGANISATION OF CONFERENCES, CONFERENCES, WORKSHOPS**

1.  
Organisation and Chair of the International Conference '2025 IEEE MetroArchaeo - Metrology for Archaeology and Cultural Heritage' to be held from 15-17 October 2025 at the University of Bergamo
2.  
Organisation and chairing of a special session entitled: 'CCCH-Climate Change and Cultural Heritage: advanced geospatial research through international cooperation' at the ISPRS Geospatial Week 2025 International Conference, Dubai, 6-11 April 2025.
3.  
Chair of special sessions dedicated to geomatics at the IEEE MetroArchaeo \_Metrology for Archaeology and Cultural Heritage international conferences from 2018 to present.
4.  
Chair of special technical sessions at ISPRS (International Society for Photogrammetry and Remote Sensing) international conferences, congresses and mid-term workshops from 2010 to present.
5.  
Organisation of the 63rd edition of the SIFET (Italian Society of Topography and Photogrammetry) National Congress at the University of Cassino and Southern Lazio (June 2018)
6.  
Speaker at a seminar entitled: 'Climate Change and Geomatics: some applications for the environment and the territory' at the Sustainability Workshop organised at the Engineering Campus of the University of Bergamo on 25 May 2022
7.  
Participation in the Sustainability Workshop also in the June 2023 and June 2024 editions organised at the Department of Engineering and Applied Sciences.
8.  
On the occasion of the 64th International Scientific Conference of Riga Technical University, invited speaker to hold a seminar entitled: 'Some Geomatic Techniques for Archaeology and Cultural Heritage' at the Department of Civil Engineering, Riga Technical University (Latvia), 17 October 2023.
9.  
On the occasion of the 65th anniversary of the founding of the University of Cluj Napoca (Romania), invited speaker at a seminar entitled: 'Mapping and 3D models for the reconstruction of archaeological sites and findings' at the Department of Ancient History and Archaeology of Babes-Bolyai University, Cluj Napoca, Romania, 13 November 2018

### **ORGANISATION/PARTICIPATIONS IN SUMMER/WINTER SCHOOLS, REFRESHER COURSES and/or TRAINING ACTIVITIES IN THE RELEVANT FIELD**

1.  
Chair of the ISPRS (International Society for Photogrammetry and Remote Sensing) Working Group of the International Commission, which aims to support, promote and stimulate education and training in photogrammetry and remote sensing at basic, advanced and professional levels; supporting technology transfer, taking into account regional needs; promoting and supporting computer-assisted teaching for distance learning; initiating and supporting joint activities with regional/international organisations; stimulating the activities

of the ISPRS consortium for students; supporting regional, local and international initiatives for summer schools, courses and workshops (from 2012 to present)

2.

Organisation of a Winter School for students of the Master's Degree Course in Geourbanistics at the University of Bergamo entitled: "Capacity Building for European Heritage: strategies for industrial and military archaeology" (19-21 February 2024).

3.

Participation in the New Linear Life 2022 International Summer School "Digital Health Technologies" organised at the Engineering Campus of the University of Bergamo in collaboration with the University of Riga (Latvia) with a seminar entitled: "Close-range imagery for reconstructing archaeological findings" (25-29 July 2022).

4.

Advanced Professional Training at CISM, International Centre for Mechanical Sciences (Udine) on: 'Surveying techniques for a Road Registry in Italy' (February 2006)

5.

Advanced Professional Training at CISM, International Centre for Mechanical Sciences, (Udine) on: 'Laser Scanning Surveying for Civil Engineering and Architecture' (December 2007)

6.

Advanced Professional Training at Rose School (Institute for Advanced Study of Pavia, IUSS, Scuola Universitaria Superiore Pavia), University of Pavia on 'Remote Sensing of Earthquake Engineering' (April 2008)

7.

Lecturer on IFTS refresher courses organised by the Lazio region on: 'Senior technician for construction site management' (2006); 'Specialised GPS and GIS operator' (2008)

8.

Lecturer on the second edition of the second-level master's degree in 'Forensic Engineering' organised at the University of Naples Federico II (2009)

9.

Lecturer and thesis supervisor for the first edition of the master's degree in 'Advanced technologies and systems for boating' organised by the University of Cassino and Southern Lazio (2011)

10.

Lecturer on courses for teaching qualifications at higher education institutions organised by the University of Cassino and Southern Lazio (PAS 2014 and TFA courses for 2015 for class A072)

11.

Member of the State Examination Commission for the qualification to practise as an engineer at the University of Cassino and Southern Lazio in 2007, 2010, 2016 and 2018.

## **COLLABORATIONS IN PROJECTS FUNDED BY EUROPEAN FUNDS OR PNRR PROJECTS**

1.

University of Bergamo Working Group PNRR M4C2 Extended Partnerships PNRR Theme: Humanistic culture and cultural heritage as laboratories of innovation and creativity Horizon Europe 2021-2027 Theme; Cluster 2: Culture, creativity and inclusive society (December 2021)

2.

Scientific supervisor of a scholarship on: 'Study of the impact of climate change on cultural heritage in the city of Naples using remote sensing tools, with reference to temperature and

precipitation trends, as well as extreme events such as heat waves, heavy rainfall and coastal flooding', as part of WP3 Model CIC-specific Demonstrator Pathways at the Interdepartmental Research Centre "Raffaele d'Ambrosio" Laboratory of Urban and Regional Planning (L.U.P.T.) at the University of Naples Federico II (2024) Duration: 8 months.

3.

Scientific supervisor of a scholarship on: "Study of the impact of climate change on cultural heritage in the city of Naples using remote sensing tools, with reference to temperature and precipitation trends, as well as extreme events such as heat waves, heavy rainfall and coastal flooding", as part of WP3 Model CIC-specific Demonstrator Pathways for the research activities of the European KNOWING Project - Framework for defining climate mitigation pathways based on understanding and integrated assessment of climate impacts, adaptation strategies and societal transformation', at the Interdepartmental Research Centre Laboratory of Urban and Regional Planning 'Raffaele d'Ambrosio" (L.U.P.T.) of the University of Naples Federico II (2023) Duration: 6 months

4.

Working group at the University of Bergamo in the European project 'LOGIC: a framework to assess low-probability and high-impact geophysical and climate events for better DRM' (2022)

5.

Supervisor of a Master's degree internship at the Centre for Hydrogeological, Volcanic and Seismic Engineering 'PLINIVS' of the University of Naples Federico II, within the LUPT Interdepartmental Centre as part of the European Research Project 'CRISMA® - Modelling Crisis Management for Improved Action and Preparedness' (FP7 284552 - 2012/2015)

6.

Scientific director of the Local Operational Unit in the PRIN 2015 GAMHer project 'Geomatics Data Acquisition and Management for Landscape and Built Heritage in a European Perspective' Research Projects of Significant National Interest – Call for Proposals 2015, Prot. 2015HJLS7E funded (2016-2019)

## **TUTOR EXPERIENCE IN PROJECTS FUNDED BY EUROPEAN FUNDS OR PNRR PROJECTS**

1.

Hackathon 2024 Mentor to a team of students from the University of Bergamo who won a competition for a project on the theme: Smart and sustainable universities. The challenge required participants to find strategies to leverage technology in creating greener, safer and more inclusive campuses, while promoting environmental awareness and active participation by the university community (9-11 May 2024)

2.

Ada Lovelace Award for Schools (3rd place), March 2017, awarded by the University of Cassino and Southern Lazio to secondary school students interested in studying STEM subjects, scientific tutor of a team of students from the IIS "Brunelleschi" in Frosinone.

Bergamo, 3 gennaio 2026