

Ilaria Ferrando

Researcher

EDUCATION AND TRAINING

31/03/2017

PhD in Civil, Chemical and Environmental Engineering

Thesis title: GNSS contribution to monitor severe rainfalls: an innovative procedure for wide and orographically complex areas with existing infrastructures

Supervisor: Prof. Bianca Federici

University of Genoa, Genoa

19/07/2013

Master's Degree in Water Engineering and Soil Protection (LM-35)

Thesis title: Strumenti GIS per la valutazione dell'inondazione fluviale: applicazione al tratto focivo del fiume Magra

Supervisors: Prof. Michele Bolla Pittaluga, Prof. Bianca Federici

University of Genoa, Genoa

10/03/2011

Bachelor's Degree in Civil and Environmental Engineering (L-7)

Thesis title: Strato limite e trasporto solido al fondo di un'onda solitaria

Supervisor: Prof. Paolo Blondeaux

University of Genoa, Genoa

PROFESSIONAL HISTORY

01/10/2020 – present

Fixed-term Researcher (RTD-A)

CEAR-04/A – Geomatics

University of Genoa, Department of Civil, Chemical and Environmental Engineering

01/12/2017 – 30/09/2020

Research Fellow

CEAR-04/A – Geomatics

Funded within the Concert-Eaux Project (INTERREG V-A FRANCE – ITALY ALCOTRA 2014-2020)

University of Genoa, Department of Civil, Chemical and Environmental Engineering

ACADEMIC APPOINTMENTS

[01/03/2024 – present](#)

Member of the Orientation and Tutoring Committee of the Polytechnic School, DICCA Delegate

Coordination and organization of orientation and tutoring activities for the Department
University of Genoa

[01/09/2021 – present](#)

Member of the Quality Assurance Committee for the Degree Course in Civil, Building and Environmental Engineering

University of Genoa, Department of Civil, Chemical and Environmental Engineering

EXPERIENCE

CONFERENCES

[2025](#) Member of International Program Committee and Local Organizing Committee of IEEE International Workshop on Metrology for the Sea (MetroSea 2025)

[2024](#) Member of Program Committee of 5° Congresso Nazionale AISAM; Member of International Program Committee of IEEE International Workshop on Metrology for the Sea (MetroSea 2024)

[2023](#) Referent member of Local Organizing Committee of 9th International Conference on Meteorology and Climatology of the Mediterranean (MetMed2023); Member of Technical Committee of Hydro 2023; Member of International Program Committee of IEEE International Workshop on Metrology for the Sea (MetroSea 2023)

[2022](#) Member of Local Organizing Committee of #Asita2022 and FOSS4G

[2021](#) Member of Local Organizing Committee of #AsitaAcademy2021

[2017](#) Member of Local Organizing Committee of Convegno italiano su Software e Dati Geografici Free e Open Source, FOSS4G-IT

SCIENTIFIC RESPONSIBILITY FOR RESEARCH PROJECTS ACCEPTED FOR FUNDING ON THE BASIS OF COMPETITIVE CALLS INVOLVING PEER REVIEW

[23/09/2023 – present](#) PRIN 2022 – “PAIN AND GAIN - Positioning And INtelligent Alarms supported by a New Dense GNSS Affordable Infrastructure”

Local Unit Coordinator
University of Genoa

[01/04/2023 – present](#) PNRR Extended Partnership “RETUNR” (Multi-Risk Science for Resilient Communities under a Changing Climate)

Core member of Vertical Spoke 2 (VS2)
University of Genoa

EDITORSHIP OR PARTICIPATION IN EDITORIAL BOARDS OF JOURNALS, PUBLISHING SERIES, ENCYCLOPAEDIAS AND TREATISES

2023 Guest Editor of the Special Issue “Remote Sensing Techniques in Marine Environment”
Journal of Marine Science and Engineering
MDPI

2018 – present Reviewer for the following international journals: Remote Sensing, ISPRS International Journal of Geo-Information, Journal of Marine Science and Engineering, Sensors, Journal of Cave and Karst Studies, Meteorological Applications, Mathematics, Journal of Marine Science and Engineering, Data, Land, Marine Geodesy

PRIZES AND ACCOLADES FOR SCIENTIFIC ACTIVITY, INCLUDING MEMBERSHIP OF ACADEMIES

14–16/10/2024 Best conference paper

Paper title: Integrating topographic and underwater measurements for comprehensive coastal area inspection: an interdisciplinary approach
IEEE International Workshop on Metrology for the Sea, Portoroz (Slovenia)

03–05/10/2019 Best paper presented by a woman

Presentation title: Potentialities of integrated 3D surveys applied to maritime infrastructures and to the study of seabed morphological/sedimentary dynamics
IMEKO tc-19 International Workshop on Metrology for the Sea, Genoa (Italy)

19–21/06/2019 Best poster (Thematic session: Marine surveying)

Poster title: Rilevamento fotogrammetrico 3D delle scogliere coralline delle Maldive
64th National SIFET Conference, Venice (Italy)

12/07/2018 AUTeC Award 2017 – Best PhD thesis in Geomatics (Thematic session: Geodesy, GNSS, Navigation)

Title of the Thesis: GNSS contribution to monitor severe rainfalls: an innovative procedure for wide and orographically complex areas with existing infrastructures
AUTeC (Associazione Universitari di Topografia e Cartografia)

07–09/09/2016 Best poster (Thematic session: Traditional and innovative approaches for hydrogeological surveys and monitoring)

Poster title: GNSS contribution to monitor severe rainfalls
88th Congress of the Italian Geological Society, Naples (Italy)