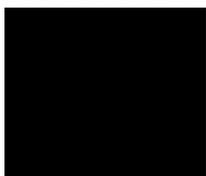


**PERSONAL INFORMATION**

**Michela Mortara**



[Redacted]

[Redacted] [Redacted]

[michela.mortara@cnr.it](mailto:michela.mortara@cnr.it)

<https://imati.cnr.it/mypage.php?idk=PG-54>

[Redacted]

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input checked="" type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

**WORK EXPERIENCE**

- 01/06/2020 - present **First Researcher**  
Istituto di Matematica Applicata e Tecnologie Informatiche "E. Magenes" (CNR-IMATI), Genova, Italy
- 01/02/2012 – 31/05/2020 **Level III Researcher (permanent position)**  
Istituto di Matematica Applicata e Tecnologie Informatiche "E. Magenes" (CNR-IMATI), Genova, Italy
- 01/07/2008 – 31/01/2012 **Level III Researcher (temporary position)**  
Istituto di Matematica Applicata e Tecnologie Informatiche "E. Magenes" (CNR-IMATI), Genova, Italy
- 03/07/2000 – 30/06/2008 **Research Fellow**  
Istituto di Matematica Applicata e Tecnologie Informatiche "E. Magenes" (CNR-IMATI), Genova, Italy

**EDUCATION AND TRAINING**

- May 2004 **PhD in Robotics.**  
University of Genova  
Thesis: "Analysis and Structuring of Digital Objects Towards an Intelligent Interaction with Virtual Environments"
- July 1999 **Degree in Computer Science.** 110/110  
University of Genova  
Thesis: "Shape-driven surface reconstruction from Reeb graphs"

**PERSONAL SKILLS**

- Mother tongue(s) **Italian**
- Other language(s) **English**
- Job-related skills **Research interests:** 3D Geometric modelling and analysis applied to cultural heritage, serious gaming, geosciences and environmental monitoring. Digital twins of urban and environmental contexts.  
**Programming Skills:** C, C++ programming languages, Matlab (basic); OpenInventor, Coin3D graphic libraries; Unity3D game engine (basic)
- Technology Transfer skills 1 registered Software:  
M. Mortara, G. Patanè "Plumber: an interactive interface for multi-scale segmentation of triangulated surfaces" registered on 30/09/2005, number 003576-D004800 of the public special registry for computer programs (S.I.A.E)
- Higher Education & Training skills Supervision of 1 Post-Doctoral fellow, 1 PhD student, 3 research fellows.

Project Management skills	Principal investigator for CNR-IMATI in 2 International projects ( RSE-CNR International Joint Project Grant <i>Modelling the challenge to visitor flow in specific historic buildings</i> , 2019-2021; EU Interreg Italia Francia Marittimo 2014-2020 <i>MATRAC-ACP</i> , 2018-2021) and 2 regional projects; WP leader in the FP7 – IST ICT EU Network of Excellence n°258169 <i>GaLA: Game and Learning Alliance</i> , 2010-2014; several task leaderships.
Other skills	Abilitazione Scientifica Nazionale alle funzioni di professore universitario di seconda fascia conseguita per il settore concorsuale 01/B1 – Informatica nella procedura indetta con D.D. n° 222 del 20/7/2012 Author of more than 100 publications; H-index Scholar 24

## ADDITIONAL INFORMATION

Relevant Projects	<ul style="list-style-type: none"><li>• National MISE Project “Casa delle Tecnologie Emergenti” di Matera (2020-2023)</li><li>• POR FSE Liguria 2014-2020 “Geo3D: Modelling, processing and 3D visualization of geological and geotechnical data”. Duration: 2019-2021.</li><li>• EU Programma di Cooperazione Interreg V-A Italia Francia Marittimo 2014-2020 <i>MATRAC-ACP</i> - Asse prioritario del Programma2-Protezione e valorizzazione delle risorse naturali e culturali e gestione dei rischi - Obiettivo specifico della Priorità d’Investimento 6C2-Accrescere la protezione delle acque marine nei porti. Duration: 2018-2021</li><li>• EU Integrated Project FP7-ICT-2011 contract n°318787 <i>iQmulus: A HIGH-VOLUME FUSION AND ANALYSIS PLATFORM FOR GEOSPATIAL POINT CLOUDS, COVERAGES AND VOLUMETRIC DATA SETS</i> Duration: 2012 -2016</li><li>• International contract Italia-Giappone <i>MONOLITH</i> "High quality digital terrain modelling". Duration: 1998-2002.</li></ul>
Relevant Publications	<ul style="list-style-type: none"><li>• Berretta, Serena, Cabiddu, Daniela, Pittaluga, Simone, Mortara, Michela, Spagnuolo, Michela, and Zuccolini, Marino “Adaptive environmental sampling: the interplay between geostatistics and geometry”. <i>Smart Tools and Applications in Graphics (STAG) 2018</i></li><li>• Serena Berretta, Daniela Cabiddu, Michela Mortara, Simone Pittaluga, Michela Spagnuolo, Marino Vetuschi Zuccolini. An innovative sampling strategy for the monitoring of pollutants in harbours. <i>Minisymposium “Characterization of reactive transport processes under uncertainty”, SIAM conference on Mathematical and Computational Issues in Geosciences (GS21)</i>.</li><li>• M Miola, D Cabiddu, S Pittaluga, M Mortara, MV Zuccolini, G Imitazione “ 3D modeling and integration of heterogeneous geo-data” <i>STAG: Smart Tools and Applications in Graphics (2021)</i></li></ul>
Relevant Collaborations	University of Genova, Dept. For Earth, Environment and Life Sciences RINA Consulting

Genova, 15/02/2022

Firmato digitalmente da:  
MICHELA MORTARA  
Consiglio Nazionale delle  
Ricerche  
Firmato il: 13-04-2023 14:25:29  
Seriale certificato: 1045117  
Valido dal 07-07-2021 al 07-07-  
2024