

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name	ERICA NOCERINO	
Address	UNIVERSITA' DEGLI STUDI DI SASSARI	
Telephone		Mobile
SCOPUS link	https://bit.ly/3sOXvSU	
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Other link	https://www.researchgate.net/profile/Erica_Nocerino	
E-mail		
Nationality		
Date of Birth		
Gender		

WORK EXPERIENCE

- Dates (from - to) October 2021 - today
 - Name and address of the employer UNIVERSITA' DEGLI STUDI DI SASSARI – Dipartimento di Scienze Umanistiche e Sociali
 - Type of business or sector
 - Occupation or position held **Tenure track assistant professor (Ricercatore TDB) - Geomatics (ICAR/06)**

- Dates (from - to) November 2017 – September 2021
 - Name and address of the employer Images & Models (I&M) Team, Laboratoire d'informatique et Systèmes (LIS)
 - Type of business or sector
 - Occupation or position held **Postdoctoral research fellow – Geomatics (ICAR/06)**

- Dates (from - to) January 2018 – December 2019
 - Name and address of the employer ETH Zurich, Switzerland - Department of Theoretical Physics
 - Type of business or sector
 - Occupation or position held **Postdoctoral research fellow – Geomatics (ICAR/06)**

- Dates (from - to) July 2017
 - Name and address of the employer Higher Polytechnic School in Avila, Spain - TIDOP research group
 - Type of business or sector
 - Occupation or position held **Visiting Researcher – Geomatics (ICAR/06)**

- Dates (from - to) September 2015 – December 2015
 - Name and address of the employer National Research Council, Ottawa, Canada - Mechanical Metrology | Measurement Science and Standards group
 - Type of business or sector
 - Occupation or position held **Visiting Researcher – Geomatics (ICAR/06)**

- Dates (from - to) October 2011 – October 2017
 - Name and address of the employer Bruno Kessler Foundation, Trento, Italy
 - Type of business or sector
 - Occupation or position held **Researcher – Geomatics (ICAR/06)**

EDUCATION AND TRAINING

- Dates (from - to) Jan. 2012 – Dec. 2014
- Name and type of organisation providing education and training University of Naples 'Parthenope', Naples, Italy - Department of Science and Technology
- Principal subjects/occupational skills covered Title: "A full photogrammetric approach for surveying semi-submerged and floating objects"
Topic: "Development of a photogrammetric procedure for the relief and modelling of semi-submerged and floating objects. The method developed has been applied for the relief of the hole of the cruise ship 'Costa Concordia'"
PhD in "Geomatics, Navigation and Geodesy"
- Title of qualification awarded
- Dates (from - to) Nov. 2007 – Oct. 2010
- Name and type of organisation providing education and training University of Naples 'Federico II', Naples, Italy - Department of Naval Engineering
- Principal subjects/occupational skills covered Title: "Human postural stability onboard ship as seakeeping criterion. Stance control model and procedure for validating it: a proposal"
Topic: "Development of an integrated methodology based on the simultaneous measurement of ship motions and worker posture through optical and inertial sensors. "
PhD in "Naval, Aerospace and Quality Engineering"
- Title of qualification awarded
- Dates (from - to) 2000-2005
- Name and type of organisation providing education and training University of Naples 'Parthenope', Naples, Italy
- Title of qualification awarded **Master in navigation sciences ("Scienze Nautiche") with a specialization in navigation, geodesy and surveying**

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

OTHER LANGUAGES

SCIENTIFIC SKILLS AND COMPETENCES

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.

- Research interests (5 Key words): geomatics, photogrammetry, surveying and 3D modelling, temporal monitoring, accuracy assessment.
- Italian National Scientific Habilitation, Italian Minister of University and Research MIUR as Associate Professor in "Geomatics" (ICAR/06).
- Ranked first in the Italian National Program for Young Researchers "Rita Levi Montalcini" 2021, in the Civil Engineering and Architecture field (area 08).
- Author of 88 publications on scientific journals and international conferences.
- Lecturer in university and advanced training courses (Masters) and tutor in international summer school in photogrammetry laser scanning, topography, positioning and 3D modelling.
- Organization of and participation at national and international congresses.
- Supervisor of > 10 master students.

RELEVANT ROLES AND COMPETENCES

Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.

- Participation in various national and international projects in the field of 3D surveying, monitoring and valorisation, including the international project Moorea IDEA - Island Digital Ecosystem Avatars. Role/responsibility: in charge of the definition of best practices for 4D monitoring of coral reefs with photogrammetry and geodetic techniques. US, Switzerland, Italy.
- Chair of the ISPRS (International Society of Photogrammetry and Remote Sensing) commission on Underwater Data Acquisition and Processing (2022-2026).
- Secretary of the ISPRS (International Society of Photogrammetry and Remote Sensing) commission on Vision Metrology (2016-2022).
- Expert Member of CIPA (Comité International de la Photogrammétrie Architecturale) Heritage Documentation (2015-today).
- Member of several international editorial boards and guest editor for special issues in international journals.

- Appointed as referee by the ANVUR for the VQR 2015-2019 for geomatics (08/A4 or ICAR/06).

PUBLICATION INDEXES (SCOPUS)

- NUMBER OF PUBLICATIONS: 92
- TOTAL NUMBER OF CITATIONS: 1959
- H-INDEX: 22

10 MOST RELEVANT PUBLICATIONS *In the last 10 years.*

1. Nocerino, E., Menna, F. and Gruen, A., 2021. Bundle adjustment with polynomial point-to-camera distance dependent corrections for underwater photogrammetry. *Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci.*, XLIII-B2-2021, 673–679, 2021.
2. Chemisky, B., Menna, F., Nocerino, E. and Drap, P., 2021. Underwater Survey for Oil and Gas Industry: A Review of Close Range Optical Methods. *Remote Sensing*, 13(14), p.2789.
3. Chemisky, B., Nocerino, E., Menna, F., Nawaf, M. M. and Drap, P., 2021. A portable opto-acoustic survey solution for mapping of underwater targets. *Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci.*, XLIII-B2-2021, 651–658, 2021.
4. Menna, F., Nocerino, E., Chemisky, B., Remondino, F. and Drap, P., 2021. Accurate scaling and levelling in underwater photogrammetry with a pressure sensor. *Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci.*, XLIII-B2-2021, 667–672, 2021.
5. Rossi, P., Ponti, M., Righi, S., Castagnetti, C., Simonini, R., Mancini, F., Agrafiotis, P., Bassani, L., Bruno, F., Cerrano, C., Cignoni, P., 2021. Needs and Gaps in Optical Underwater Technologies and Methods for the Investigation of Marine Animal Forest 3D-Structural Complexity. *Frontiers in Marine Science*, 8, p.171.
6. Nocerino, E., Stathopoulou, E.K., Rigon, S., Remondino, F., 2020: Surface Reconstruction Assessment in Photogrammetric Applications. *MDPI Sensors*, 20(20), 5863
7. Nocerino, E., Menna, F., Gruen, A., Troyer, M., Capra, A., Castagnetti, C., Rossi, P., Brooks, A.J., Schmitt, R.J. and Holbrook, S.J., 2020. Coral Reef Monitoring by Scuba Divers Using Underwater Photogrammetry and Geodetic Surveying. *Remote Sensing*, 12(18), p.3036.
8. Nocerino, E., Menna, F., 2020. Photogrammetry: linking the world across the water surface. *MDPI Journal of Marine Science and Engineering*, Vol. 8(1).
9. Piazza, P., Cummings, V., Guzzi, A., Hawes, I., Lohrer, A., Marini, S., Marriott, P., Menna, F., Nocerino, E., Peirano, A. and Kim, S., 2019. Underwater photogrammetry in Antarctica: long-term observations in benthic ecosystems and legacy data rescue. *Polar Biology*, pp.1-19.
10. Menna, F., Nocerino, E., Fassi, F., Remondino, F., 2016: Geometric and Optic Characterization of a Hemispherical Dome Port for Underwater Photogrammetry. *MDPI Sensors*, Vol.16(1), 48; doi:10.3390/s16010048

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

11.09.2022

Signature