

CURRICULUM VITAE



Name

RUBINETTI SARA, PHD

Current position
Since 10/03/2025

Tenure Track Researcher

Department for Sustainable Development and Ecological Transition (DISSTE)
University of Eastern Piedmont
Vercelli, Italy

SSD: GEOS-04/C

ASN

National Scientific Qualification (Associate Professor)

Competition Sector **04/A4-GEOPHYSICS**

Validity: 01/12/2023 – 01/12/2034

ORCID ID

0000-0002-2236-6113

ResearchGate

<https://www.researchgate.net/profile/Sara-Rubineti>

LinkedIn

<https://it.linkedin.com/in/sara-rubineti-4b8602170>

RESEARCH ACTIVITY

- 15/05/2024 – 09/03/2025 **Postdoctoral research fellowship**
ISAC-CNR Roma
Project: “Meteorological-climatic analysis and modelling in support of the possible use of EnVision’s SRS radar sounder for atmospheric and lightning detection on Venus”
Project: “Analisi meteoclimatica e modellistica a supporto del possibile utilizzo del radar sounder SRS di EnVision per rilevamenti in atmosfera e di fulmini su Venere”
- 01/01/2022 – 30/04/2024 **Postdoctoral researcher**
within the MGF-NORDSEE and CREATE projects of the *German Marine Research Alliance mission* (DAM) “Protection and Sustainable Use of Marine Areas”
Coastal ecology section
Alfred Wegener Institute (AWI) Helmholtz Centre for Polar and Marine Research
27570 Bremerhaven and 25992 List/Sylt, Germany
- 01/07/2019 – 31/12/2021 **Research fellowship**
Ca’ Foscari University of Venice
Department of Environmental Sciences, Informatics and Statistics
research activity within the national programme *Venezia 2021*, line 5.1 (Climate change scenarios for Venice and its lagoon), coordinated by the CORILA consortium
- 1/12/2018 – 30/06/2019 **Research fellowship**
at the University of Turin
presso l’Università degli Studi di Torino
research project title: “Hydrological variability in the European area through the analysis of river discharge time series”
- 1/11/2017 – 30/06/2018 **Scholarship**
at the Department of Physics, University of Turin
funded by *Fondazione CRT* – Project Ref. No. 2015.2559
duration: 8 months
project title: “Hydrological variability of the Po River basin: extreme flood events and drought periods from the Roman period to the present”

EDUCATION AND TRAINING

- 03/05/2018 **PhD in Physics and Astrophysics (XXX cycle)**
at the University of Turin

evaluation: PhD degree awarded **with honours**

Thesis title: "Proxy measurements in sea sediments and meteorites: climate and solar activity variations on decadal and centennial scales"

11/10/2013

Master's Degree in Physics

at the University of Turin

final grade: **110/110 with honours**

Thesis title: " $\delta^{18}\text{O}$ in Ionian Sea sediments and decadal climatic variability in the Central Mediterranean"

19/07/2011

Bachelor's Degree in Physics

University of Turin

STUDY PERIOD ABROAD

January 2016 – February 2016

One-month internship at the *Laboratory of Ion-Beam Physics* at ETH Zurich (Switzerland) for dating samples using the radiocarbon method

TEACHING ACTIVITY

a.a. 2024-2025 – 2025-2026

Course instructor

- Nature-based solutions for climate risk
- Environmental impact assessment: environmental risks

Bachelor's degree programme in Environmental Management and Sustainable Development

University of Eastern Piedmont

a.a. 2023-2024

Lecturer

Nippon Foundation-POGO Centre of Excellence (**NF-POGO CofE**) at the Alfred Wegener Institute

Seminar (3h) entitled: "Time series analysis"

November, 6th 2023, AWI Wadden Sea Station, 25992 List/Sylt, Germany

a.a. 2022-2023 e 2023-2024

Instructor, as adjunct lecturer, of the course *Climate Modelling and Monitoring*

for the PhD programme in *Science and Management of Climate Change* and the Master's programme in *Science and Management of Climate Change* at Ca' Foscari University of Venice (30 teaching hours)

Invited seminar

a.a. 2021-2022, 2022-2023,
2023-2024

Tomography for cultural heritage applications

as part of the course *Geophysics for cultural heritage* (instructor: Prof. D. Zanchettin) of the Master's degree programme in *Science and technology for cultural heritage* at Ca' Foscari University of Venice

Invited seminars

a.a. 2019-2020

Long-term climate variations in the past: proxy-based reconstructions from paleoclimate archives (22 October 2019)

Spectral analysis of climate time series: concepts and applications
(03 December 2019)

as part of the Quantitative and Applied Climatology course (instructor: Prof. D. Zanchettin) of the PhD programme in Environmental Sciences at Ca' Foscari University of Venice

CONFERENCE ORGANIZATION

2019, 2022-2025

Member of the organizing and scientific committees of the international conference *THEMES* at Ca' Foscari University of Venice

2023

Member of the organizing and scientific committees of the scientific symposium *The era of the Mediterranean: in memory of Wolfgang Roether*
14 November 2023, Ca' Foscari University of Venice

PEER REVIEWER

Review of articles for the following scientific journals: Atmosphere (MDPI), Water (MDPI), Climate (MDPI), Environmental Earth Sciences (Springer Nature), Progress in Oceanography (Elsevier)