

Riccardo Farneti

Curriculum Vitae

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Research Summary

My interests are focussed on understanding the Ocean and Earth System, with emphasis on modelling the role of the ocean in climate variability, predictability and change. For my research, I use and develop a suite of ocean and coupled climate models, from global to regional. My research spans a broad range of topics including Southern Ocean physics and dynamics, Atlantic Ocean interannual and decadal variability, Pacific decadal variability and regional dynamics of the Mediterranean and Indian Ocean.

Employment Record

- 2013- Research Scientist. Earth System Physics (ESP) Section, ICTP, Trieste, Italy.
- 2011-2013 Senior Postdoctoral Fellow. ESP Section, ICTP, Trieste, Italy.
- 2010-2011 Postdoctoral Fellow. ESP Section, ICTP, Trieste, Italy.
- 2009-2010 Research Scholar. Atmospheric and Oceanic Sciences, Princeton University.
NOAA/Geophysical Fluid Dynamics Laboratory (GFDL), USA.
- 2006-2008 Post-Doc. Atmospheric and Oceanic Sciences, Princeton University,
NOAA/Geophysical Fluid Dynamics Laboratory (GFDL), USA.

Education

- 2024 Italian scientific habilitation (ASN) to associate professor for the field
02/C1- Astronomy, astrophysics, Earth and planetary physics
- 2001-2005 Ph.D. in Physical Oceanography,
National Oceanography Centre, Southampton University, U.K.
- 1996-2001 Licenciatura Degree (MSc) in Physical Oceanography.
University of Las Palmas de Gran Canaria, Spain.

Community Service

- (2015-) Coordinator ICTP ESP PostGraduate Diploma Programme
- (2018-) Member Academic Board of the PhD Program in *Earth Science, Fluid Dynamics and Mathematics* at the University of Trieste.
- (2021-) Editor EGU Journal Geoscientific Model Development
- (2021-2022) Review Editor Frontiers in Physical Oceanography
- (2017-2021) Editor Scientific Reports - Nature.
- (2018-2020) Co-Chair WCRP CLIVAR/ChC/SCAR Southern Ocean Region Panel
- (2018-2020) Chair ICTP Faculty Board

Teaching Activities

Several years of teaching experience at both the ICTP Postgraduate Diploma Programme (*Ocean Dynamics* and *Fluid Mechanics*) and the University of Trieste (*Climate Dynamics* and *Geophysical Fluid Dynamics*).

Organization and Supervision

Organizer of more than 20 scientific Conferences and Workshops.

Supervisor of more than 15 MSc and Phd students, and 4 post-docs.

Publications

Author of around 60 peer-reviewed publications.

–Google Scholar

–ORCID

–ResearchGate