

Prof. Rossella Ferretti born 05/03/1956

EDUCATION

1987 Ph.D. in Physics, Italy.

1987 Ph.D. in Geophysics, School of Geophysical Sciences of the Georgia Institute of Technology (Atlanta, GA – USA)

1980 "Laurea" in Physics, "summa cum laude", University of Rome "La Sapienza"

PROFESSIONAL RECORD

2015 Appointed as Research Leader at the Danish Meteorological Institute

2013 Qualified as Full Professor for the area 04/A4–Geophysics, National Scientific Qualification Procedure 2012

(<https://abilitazione.cineca.it/ministero.php/public/esitoAbilitati/settore/04%252FA4/fascia/1>).

2006- Associate Professor, University of L'Aquila, Department of Physics.

1990-2006 Researcher, University of L'Aquila, Department of Physics

1987-1990 Meteorological Coordinator at the Italian National Agency for Air Traffic Control

EXPERTISES

- Mesoscale modelling and Mesoscale Meteorology.
- Co-director of the ISSAOS Summer School on Atmospheric Data Assimilation and chairman of a session on DATA Assimilation at EGU 2005.
- Coordinator/in-charge of the Italian area of the European Campaign LAUNCH in the framework of the COST 720; coordinator/in-charge of the Italian Meteorological Center in L'Aquila during the HyMex campaign (2012).
- In charge of several national and international projects: 1) Regione Abruzzo: high resolution weather forecast; 2) Presidenza del Consiglio dei Ministri Dipartimento della Protezione Civile (DPC): to test and tune high resolution weather forecast; 3) ESA: to produce high resolution water vapor map for InSar and to improve weather forecast by 3DVAR assimilation of water vapour from InSar .

AWARDS & HONORS

- National representative for COST Action: Action/TC/DC:ES0702.
- Vice-Director of CETEMPS; head of the Meteorological Modelling group at Cetemps and in charge of the operational weather forecast at CETEMPS (Center of Excellence for Prediction of Severe Events) at University of L'Aquila (<http://cetemps.aquila.infn.it> ; http://skynet.phys.uniroma1.it/Main_index.htm).
- Referee for several international journals: Meteorology and Atmospheric Physics e Atmospheric Research, NHESS,
- Reviewer for: the Research Council of Norway for a proposal on the Orographic precipitation, and for the Netherlands e-Science Center (NLeSC) ; the Netherlands Organisation for Scientific Research (NWO); the Italian Super Computing Resource Allocation promoted by CINECA.
- Invited to join the Editorial Board of The Scientific World Journal.
- Guest Editor of QJRMET for the special issue of the Hymex campaign.

PROFESSIONAL ACTIVITIES

- Member of the Executive Committee for Implementation and Science Coordination of the HyMex project and coordinator/in-charge of the Italian Meteorological Center in L'Aquila during the HyMex campaign.

TEACHING ACTIVITIES

1998- She has taught at least three graduate and undergraduate classes every academic year, among them: Dynamic Meteorology, Climatology, Mesoscale modelling and Laboratory for Computational Physics

PUBLICATIONS

- Author of more than 45 papers on international peer refereed journals.