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Researcher, since December 2001, at the Institute for Atmospheric Science and Climate of the Italian National Research Council (ISAC-CNR) in Rome Tor Vergata.

He received his university degree (Laurea) in Physics from the University of Rome 'La Sapienza' in March 1986 and obtained the Specialization in Atmospheric Physics and Meteorology at the Italian Meteorological Service, Rome, in 1987. Since 1987 he followed several courses of formation on issues of interest for its professional activity (Remote Sensing, Science divulgation, Programming languages, etc.).

Previous employments were:

- Jan'99-Dec'01: Istituto di Fisica dell'Atmosfera (IFA), CNR. Roma, ITALY
- Lug'97-Dec'98: Laboratoire de Météorologie Dynamique (LMD), CNRS, FRANCE
- Jun'95-Jun'97: Laboratoire Modélisation Climat et Environnement (LMCE), CEA, Saclay, FRANCE
- Oct'93-Apr'95: Laboratoire de Météorologie Dynamique (LMD), CNRS, FRANCE
- Feb'93-Aug'93: Dept. of Meteorology, University of Reading. Reading, UK.
- Feb'91-Jan'93: UK-Meteorological Office, Bracknell, UK.
- Jul'90-Jan'91: Istituto di Fisica dell'Atmosfera (IFA), CNR. Roma, ITALY.
- May'89-Jun'90: Laboratories for Atmospheres, NASA-GSFC. Greenbelt, MD, USA
- Apr'86-Apr'89: Istituto di Fisica dell'Atmosfera (IFA), CNR. Roma, ITALY.

Expertise on radiative transfer applied to remote sensing of geophysical variables from satellite and surface based instrumentation.

The field of application of the majority of his researches is for the study of the different components of the water cycle in the atmosphere.

He has been involved in several activities concerning satellite missions in all phases: from feasibility studies to validation campaigns, including:

- Team member of the ESA study: ANISAP (Analysis of Normalised Differential Spectral Attenuation (NDSA) technique for Inter-Satellite Atmospheric Profiling)
- Team member of the EUMETSAT study (ITT 04/658): 'A microphysical retrieval package for cloud-aerosol interactions using MSG SEVIRI.
- Responsible for 2 (out of 3) workpackages for an EUMETSAT study (Contract EUM/CO/04/1293/RSt) for the definition of the characteristics of Meteosat Third Generation channels in the Solar domain.
- Member of the working group for the definition of the satellite mission CLOUDS (CEC ENV4-CT98-0733 - 1998 2000 and ASI).
- Member ('95-'97) of the working group for the ground-segment development for the POLDER/ADEOS French-Japanese satellite mission.
- Responsible for the installation and management of 2 ASSR-CIMEL photometers/aureolameters in the Mediterranean within the project (CEC ENV4-CT95-0036) MeDusE ('96-'98) for the validation of the POLDER/ADEOS aerosol products.
- Invited member ('93-'94) of the definition group for the definition of French-Indian satellite mission MEGHA-TROPIQUES.
- Member ('91-'93) of the management group for the international project GPCP-AIP2 for the validation of satellite precipitation estimates

Associated professor of 'Remote Sensing' at the Faculty of Physics of University of Rome 2 Tor Vergata (since the Academic Year 2003-2004).

Professor of 'Earth Observation Remote Sensing' at the Master School of 'Space Science and Technology' Faculty of Science of University of Rome 2 Tor Vergata (since the Academic Year 2010-2011).

He has given lectures in several Summer Schools and Master Schools.

He has been responsible/tutor for several students from different universities for their PhD thesis, Master thesis or Stages.

He is active in science divulgation in schools of different levels, Science Festivals and public conferences.

He is the author of 5 chapters/contributions in books, 2 voices in an international encyclopaedia, 14 papers in international peer reviewed and over 60 contributions in International Conferences and Workshops.

He is a reviewer of several international scientific journals as: J. Atmos. Oceanic Tech., J. of Climate, Int. J. Remote Sensing, J. of Geophysical Research, IEEE Trans. Geosci. Remote Sensing, IEEE Geosci. Remote Sensing Letters, Geophys. Res. Lett., Atmos. Chem. Phys. Discuss. He also acted as reviewer for the Italian Space Agency (ASI) as well as for the Dutch Space Agency.