

Name: Simone Ceccherini
Date and place of birth: 5th October 1966, Florence (Italy)
Nationality: Italian

Languages: Italian (mother tongue), English (fluent)

Qualifications:

- 8th March 1993 - Degree in Physics with First Class Honors at University of Florence, Italy
Thesis' title: "Studio dei processi Auger nel rilassamento dei portatori di carica in pozzi quantici di GaAs/AlAs"
- 8th July 1997 – PhD in Physics at University of Cagliari, Italy
Thesis' title: "Studio della dinamica coerente di eccitoni in semiconduttori con tecniche di correlazione interferometriche al femtosecondo"

Employment history:

- Oct. 1997 – Apr. 1999: Post PhD position at Istituto Nazionale di Fisica della materia (INFN), Florence
- May 1999 – Apr. 2000: Post PhD position at European Laboratory for Non-Linear Spectroscopy (LENS), Florence
- Nov. 2000 – Mar. 2002, Post PhD position at Istituto di Ricerca sulle Onde Elettromagnetiche (IROE) - CNR Florence
- April 2002-April 2008, Researcher (temporary position) at Istituto di Fisica Applicata "Nello Carrara" (IFAC) - CNR Florence
- Since April 2008, Researcher (permanent position) at Istituto di Fisica Applicata "Nello Carrara" (IFAC)- CNR Florence

Scientific activity:

Since November 2000 Simone Ceccherini performs research activity on atmosphere at the Institute of Applied Physics "Nello Carrara" of the National Research Council. He is involved in the development and use of algorithms for data analysis of atmospheric limb measurements performed with Fourier transform interferometers.

He has participated to the study of the European Commission entitled "Advanced MIPAS Level 2 Data Analysis" (AMIL2DA, 2000-2003) that aimed to compare the performances of different algorithms for the analysis of the measurements of the Michelson Interferometer for Passive Atmospheric Sounding (MIPAS) onboard of the Environmental Satellite (ENVISAT).

He has participated to the study of the European Commission entitled "Assimilation of ENVISAT Data" (ASSET, 2003-2006) in which the assimilation techniques were applied to the data acquired by the instruments onboard the ENVISAT satellite.

He has participated to several studies of the European Spatial Agency (ESA) to develop and characterize the scientific prototype of the ESA operational Level 2 processor for the analysis of the measurements of MIPAS.

He is member of the MIPAS Quality Working Group.

His competences are mainly in atmospheric radiative transfer, inverse problems, regularization techniques and data fusion.

He is author of more than 45 publications in peer-reviewed international journals.