



PROF. Guido Masiello

SCIENTIFIC CURRICULUM VITAE:

Career Summary

- Since October 2015 I have a permanent position as Associate Professor of Earth and Atmospheric Physics at School of Engineering University of Basilicata ([SI-Unibas](#)) after I obtained the Italian qualification necessary to become Associate Professor in Earth and Atmospheric Physics in December 2013.
- In April 2013 and in December 2014, I was visiting Scientist at European Organisation for the Exploitation of Meteorological Satellites ([EUMETSAT](#)).
- December 2008, I was selected as member of the International Radiation Commission ([IRC](#)) for the 2009-2012 term. In December 2012 I was confirmed for the 2013-2016 term.
- From July 2006 to October 2015 I had a permanent position as Tenured Assistant Professor of Experimental Physics at Faculty (before August 5 2012) and School (now) of Engineering University of Basilicata ([SI-Unibas](#)).

Research Activity

Since 1999 I work on Applied Spectroscopy topics. Into details I work on: 1) Validation of Spectroscopy and radiative transfer in the Earth atmosphere; 2) Development of physical radiative transfer models for the inversion of the thermodynamic state of the Earth atmosphere (temperature and atmospheric molecules concentration). These activities are carried out by analyzing the atmospheric emission spectrum in the infrared region (far and thermal, from 100 to 3.5 micron) observed from space and from ground. This research is developed and founded in the framework of several international programs, such as IMG, the Fourier Transform Spectrometer of the Japanese Spatial Agency, flew on board of ADEOS satellite from 1996 to 1997; AIRS (Atmospheric Infrared Radiometer Sounder, NASA), flying on board of EOS-Aqua platform; IASI (Infrared Atmospheric Sounding Interferometer, EUMETSAT - EUropean Organization for the exploitation of METeorological SATellite) flying on board of METOP platforms; REFIR (Radiation Explorer in the Far Infrared), Italian-British joint venture for the definition and the spatial qualification of a Fourier Transform Spectrometer in the far infrared; NAST-I, NASA Fourier Transform Spectrometer flying on board of stratospheric airplanes; SEVIRI (Spinning Enhanced Visible and Infrared Imager) on board of METEOSAT geostationary platform.

I am Visiting Scientist at the [EUMETSAT](#) headquarter. I have published on my research more than [90 publications](#) and I am referee for several International Journals of Optics and Atmospheric Science and for Italian and International research funding agencies.

PROFESSOR'S OFFICE HOUR: Thursdays from 16:30 to 18:00

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