



Tony Christian Landi

Curriculum Vitae

Education

- 2007–2012 **PhD in Physics (FIS/06)**, *Center of Excellence for the forecast of Severe Weather (CETEMPS) University of L'Aquila, via Vetoio, 67010 Coppito, L'Aquila, ITALY*, Thesis: *Modeling of Aerosol Optical Properties over Po Valley (Italy)*.
Advisors: Prof. Guido Visconti and Dr. Gabriele Curci
- 1999–2006 **Laurea (M.S.) in Environmental Sciences (summa cum laude)**, *University of Naples, Parthenope, Department of Applied Science, ITALY*, Thesis: *A preliminary study on remote optical observation of biomass burning using potassium emission signature*.
Advisors: Prof. Maurizio Migliaccio and Dr. Angelo Riccio. This thesis was recipient of the 2006 Best Remote Sensing Thesis Award by the IEEE GRS South Italy Chapter.

Experience

My main research interests are focused on atmospheric chemistry. The aim is to understand the processes that control the budgets of atmospheric aerosols and gases that play a key role in the context of global climate change and in regional air quality. The main tools adopted are: 3-D computer models of atmospheric processes that affect chemical species, and data from both in-situ and remote- sensing instruments.

- 2017 – **Researcher (fixed-term contract)**, INSTITUTE OF SCIENCE OF ATMOSPHERE AND OF THE CLIMATE (**CNR-ISAC**), VIA PIERO GOBETTI 101, 40129, BOLOGNA, ITALY.
Present SINCE AUGUST 2013 HE HAS BEEN COLLABORATING WITH REGIONAL AGENCY FOR ENVIRONMENT PROTECTION OF EMILIA ROMAGNA (**ARPA-SIMC**), VIALE SILAVANI 6, 40122, BOLOGNA, ITALY
- 2012–2017 **Post-Doc fellowship**, INSTITUTE OF SCIENCE OF ATMOSPHERE AND OF THE CLIMATE (**CNR-ISAC**), VIA PIERO GOBETTI 101, 40129, BOLOGNA, ITALY.
- 2010–2011 **1 Year fellowship**, CENTER OF EXCELLENCE FOR THE FORECAST OF SEVERE WEATHER (CETEMPS), UNIVERSITY OF L'AQUILA, VIA VETOIO, 67010 COPPITO, L'AQUILA, Italy.
Main topic: Regional Air Quality modeling, Modeling of aerosols optical properties

2007–2010 **4 Years fellowship**, INSTITUTE OF SCIENCE OF ATMOSPHERE AND OF THE CLIMATE (**CNR-ISAC**) VIA FOSSO DEL CAVALIERE, 100, 00133, ROME, Italy.
Main topic: Aerosol remote sensing and regional air quality modeling in the framework of QUITSAT project, founded by Italian Space Agency

Publications

- Main author or co-author of 17 papers in peer-reviewed literature
- Main author or co-author of 4 publications (monograph and book paragraphs)

Patents

- He is author of Italian Patent n.0001384527 entitled A method for the detection of electromagnetic spectral signature during wild land fires, based on emission from trace elements in biomass tissues, 30th December 2010.

Awards

2006 The 2006 Best Remote Sensing Thesis Award by the IEEE GRS South Italy Chapter
