

## Personal data

Name: Arianna Piccialli  
Address: Laboratoire Atmosphères, Milieux, Observations Spatiales (LATMOS),  
Quartier des Garennes, 11 Boulevard d'Alembert, 78280 Guyancourt, France  
Telephone: +33 (0) 1 80 28 51 30  
E-mail: arianna.piccialli@latmos.ipsl.fr  
Date of Birth: 23rd October 1979  
Nationality: italian

## Work experience

1.10.2012 - to date: Marie Curie Fellow, RBUCE-UP (Research Based Universities Chairs of Excellence - Universities of Paris - European Marie Curie action) Postdoctoral Research Fellow at Laboratoire Atmosphères, Milieux, Observations Spatiales (LATMOS-UVSQ), Guyancourt, France .  
1.11.2010 - 31.09.2012: Postdoctoral Research Fellow at ESA-ESTEC, Noordwijk, The Netherlands.  
17.06.2010 - 31.10.2010: Postdoctoral position at Max-Planck Institute for Solar System Research, Katlenburg-Lindau, Germany.

## Academic education

23.03.09 - 08.04.09: Visit at the Atmospheric, Oceanic and Planetary Physics sub-department, University of Oxford, Oxford, U.K..  
07.01.2007 - 16.06.2010: PhD in Physics at the Technical University of Braunschweig, Germany. Student of the International Max Planck Research School located at the Max-Planck Institute for Solar System Research in Katlenburg-Lindau.  
26.02.2006 - 09.03.2006: Visit at the Instituto de Astrofísica de Andalucía, Granada, Spain to start a collaboration for my thesis work with Prof. Lopez Valverde.  
01.02.2005 - 19.07.2006: Thesis work at Cnr (Centro nazionale delle ricerche) - Ifsi (istituto di fisica dello spazio interplanetario) in Rome, under the supervision of Dott. Ernesto Palomba (IFSI-INAF) and Prof. Luigi Smaldone (University of Naples, Federico II). The thesis was about the study of CO<sub>2</sub> non-LTE emissions in the atmosphere of Mars and was based on observations taken from PFS (Planetary Fourier Spectroscopy) on board of the Mars Express spacecraft.  
20.09.2002 - 20.02.2003: Semester at the University of La Laguna, Canary Islands, Spain - Erasmus Exchange project.

20.09.1998 - 19.07.2006: University of Naples, Federico II; MSc. in Physics with specialisation in astrophysics and space physics. Graduated with the mark 110/110 and lode (highest mark and honour) with the thesis entitled: "non-LTE emissions in Mars atmosphere", pg 150.

## Publications

1. *High latitude gravity waves at the Venus cloud tops as observed by the Venus Monitoring Camera on board Venus Express.*  
Piccialli, A.; Titov, D.V.; Sanchez-Lavega, A.; Peralta, J.; Shalygina, O.; Markiewicz, W.J.; Svedhem, H..  
Icarus, Volume 227, p. 94 – 11, 2014.
2. *Characterizing atmospheric waves on Venus, Earth, and Mars.*  
Wilson, C. F.; Piccialli, A.  
Eos, Transactions American Geophysical Union, Volume 93, Issue 23, p. 220 – 220, 2012.
3. *Dynamical properties of the Venus mesosphere from the radio-occultation experiment VeRa onboard Venus Express.*  
Piccialli, A.; Tellmann, S.; Titov, D. V.; Limaye, S. S.; Khatuntsev, I. V.; Pätzold, M.; Häusler, B.  
Icarus, Volume 217, Issue 2, p. 669 – 681, 2012.
4. *Vertical structure of the Venus cloud top from the VeRa and VIRTIS observations onboard Venus Express.*  
Lee, Y. J.; Titov, D. V.; Tellmann, S.; Piccialli, A.; Ignatiev, N.; Pätzold, M.; Häusler, B.; Piccioni, G.; Drossart, P.  
Icarus, Volume 217, Issue 2, p. 599 – 609, 2012.
5. *Cyclotrophic wind in the mesosphere of Venus from Venus Express observations.*  
Piccialli, A.  
Ph.D thesis, Technische Universität Braunschweig, 120 pages, UNI-EDITION, 2010.
6. *Cyclostrophic winds from the Visible and Infrared Thermal Imaging Spectrometer temperature sounding: A preliminary analysis.*  
Piccialli, A.; Titov, D. V.; Grassi, D.; Khatuntsev, I.; Drossart, P.; Piccioni, G.; Migliorini, A.  
Journal of Geophysical Research, Volume 113, Issue 2, CiteID E00B11, 2008.