

Pierre Vernazza

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Professional experience

- 01/2013 – Researcher at CNRS, Laboratoire d'Astrophysique de Marseille, FR.
- 05/2011 – 12/2012 Research Fellow at the European Southern Observatory, DE.
- 12/2010 – 04/2011 Postdoc at Laboratoire d'Astrophysique de Marseille, FR.
- 12/2007 – 11/2010 Research Fellow at the European Space Agency (ESTEC), NL.
- 01/2007 – 04/2007 Visiting scientist at Massachusetts Institute of Technology, Cambridge, USA.
- 09/2006 – 11/2007 Teaching and research assistant, Paris VII University, FR.

Education

- 2015 – 2016 Habilitation (HDR), Aix-Marseille University (LAM). Defense: may 17th, 2016.
- 2003 – 2006 Ph.D. in Astronomy, Paris Observatory (LESIA). Defense: september 29th, 2006.
Subject: *Study of the physical properties of Asteroids*. Supervisor: M. Fulchignoni.

Research theme

My research has so far mainly consisted in characterising the distribution of the composition of small bodies throughout the solar system in order to provide new constraints on their origin, formation and evolution and more generally to models of solar system formation.

Publications

Author or co-author of 105 papers among which 24 papers as first author (including 2 letters in Nature, 1 letter in Nature Astronomy and 3 book chapters) and 17 papers as second author (including 5 papers behind one of my PhD students).

Scientific activities/responsibilities

PI of the NavCams onboard the MMX rover, Co-I of the MIRS instrument onboard the JAXA MMX mission, Co-I of the MERTIS instrument onboard the ESA/JAXA BepiColombo mission.

PI of more than 30 successful observing proposals on the largest ground based telescopes (VLT, NTT, TNG, IRTF, CFHT) as well as the airborne telescope SOFIA. This includes being the PI of an ESO Large Programme on VLT/SPHERE.

Co-PI of the FRIPON camera network. The aim of FRIPON is to determine the source regions of meteorites and to recover meteorites just after their fall.

Supervisor of 3 PhD students (M. Marsset, A. Drouard, M. Ferrais) and co-supervisor of 1 PhD student (T. Ronnet).

Team lead of the planetary science group at LAM.