

OLIVIER GROUSSIN

Astronomer – Laboratoire d’Astrophysique de Marseille, France (LAM)

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RESEARCH INTERESTS

I study Mercury (Bepi-Colombo mission), small bodies in the solar system (ELT/HARMONI, Comet Interceptor and MMX missions), and Jupiter's satellites (JUICE mission), to better constrain scenarios for the formation and evolution of the solar system. I use remote observations (ground-based and space telescopes) and in-situ observations (space missions), mainly in the visible, near-infrared and thermal wavelength ranges.

CAREER

2007 – now Astronomer at Laboratoire d’Astrophysique de Marseille, France
2006 – 2007 Postdoc (CNES / Rosetta) at Laboratoire d’Astrophysique de Marseille, France
2004 – 2006 Postdoc (NASA / Deep Impact) at the University of Maryland, USA
2002 – 2004 Postdoc (DLR) at the DLR Institute of Planetary Research, Berlin, Germany

EDUCATION

2011 Habilitation to Supervise Research (HDR) in Astronomy, Aix-Marseille University (AMU)
2002 PhD in Astronomy, Aix-Marseille University (AMU)

PUBLICATIONS

More than 200 publications in peer-reviewed journals, including 18 as first author
More than 220 publications in international conferences, including 24 as first author
H-index = 61 (source: ADS website)

INTERNATIONAL SCIENTIFIC RESPONSIBILITIES

2020 – now Co-Investigator on the CoCa camera for Comet Interceptor (ESA)
2019 – now Co-Investigator on the Idefix rover for Martian Moons eXploration (JAXA)
2018 – now Co-Investigator on the MERTIS instrument for Bepi-Colombo (ESA)
2012 – now Co-Investigator on the JANUS camera for JUICE (ESA)
2006 – now Co-Investigator on the BELA laser altimeter for Bepi-Colombo (ESA)
2007 – now Co-Investigator on the OSIRIS cameras for Rosetta (ESA)
2006 – 2012 Co-Investigator on Stardust-NExT (NASA)
2004 – 2012 Associate scientist on EPOXI (NASA) et Deep Impact (NASA)

PHD SUPERVISION

2024 – now Co-Director of Mariya Krasteva
 Space instrumentation development: IR spectro-polarimetry for chirality
2013 – 2016 Co-Director of Anne-Thérèse Auger
 Comet surface morphologies from Rosetta/OSIRIS images
2009 – 2012 Co-Director of Emily Brageot
 Space instrumentation development: TIR spectro-imager with micro-bolometers
2006 – 2009 Co-Supervisor of Sébastien Besse
 3D reconstruction of solar system small bodies

AWARDS

2017 « ESA award » for outstanding contribution to the ESA Rosetta mission
2011 « NASA group achievement award » for the science team of Stardust-NExT
2011 « NASA group achievement award » for the science team of EPOXI
2009 « NASA group achievement award » for the project EPOXI