

• **MR. ANGELO BOCCACCINI**

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INAF, Istituto di Astrofisica e Planetologia Spaziali, Via Fosso del Cavaliere, 00133 Rome, ITALY

**Education:** Technical institute

**Professional Background**

Calibration set-up and testing of space instrumentation.

2000-2005 CNR – IFSI contract

2005-2008 INAF – IFSI contract

2009-2011 INAF-IFSI permanent position

2012-present INAF-IAPS permanent position

**Relevant Experience**

VIRTIS (Rosetta) Calibration set-up and measurements

VIRTIS (VEX) Calibration set-up and measurements

VIR-MS (Dawn) Test and calibration set-up

Ma\_MISS (Exomars) Test and calibration set-up

JIRAM (Juno) Test and calibration set-up

VISTA (MARCO POLO R) Calibration set-up and measurements

CAM (Contamination Assessment Microbalance) Test Manager

**Relevant Publications**

Drossart, P.; ... **Boccaccini, A.**; et al. *A dynamic upper atmosphere of Venus as revealed by VIRTIS on Venus Express*, Nature, 450, 641-645, (2007)

Piccioni, G.; ... **Boccaccini, A.**; et al. *South-polar features on Venus similar to those near the north pole*, Nature, 450, 637-640, (2007)

Ammannito, E.; ... **Boccaccini, A.**; et al. *The development model of VIR-MS: Laboratory Spectroscopy supporting the Dawn mission*, 39th Lunar and Planetary Science Conference, No. 1391, p.1871, (2008)

Piccioni, G.; ... **Boccaccini, A.**; et al. *The Visible and InfraRed Hyperspectral Imaging Spectrometer (VIRHIS): a study for the EJSM mission*, 41th Lunar and Planetary Science Conference, No. 1328, (2010)

Ammannito, E.; ... **Boccaccini, A.**; et al. *Imaging spectroscopy in lab: a tool supporting remotely sensed data*, 37th COSPAR Scientific Assembly, p. 85, (2008)

Dirri, F.; ... **Boccaccini, A.**; et al. *Measuring enthalpy of sublimation of volatiles by means of micro-thermogravimetry: the case of Dicarboxylic acids*, European Planetary Science Congress 2013, id. EPSC2013-674

Dirri F. .... **Boccaccini, A.**, et al., *Measuring enthalpy of sublimation of volatiles by means of micro-thermogravimetry for the study of the water and organics in planetary environments*, MSAIS, v.26, p.133, 2014;

Palomba E., ..**Boccaccini A.** et al., *VISTA, a micro-Thermogravimeter to measure water and organics content in planetary environments*, IPM, 2014;

Palomba E., ..**Boccaccini A.** et al., *VISTA: a micro-Thermogravimeter to analyze condensable species in planetary atmospheres*, 40th COSPAR, 2014;

Palomba E., ..**Boccaccini A.** et al., *VISTA, a light and cheap sensor to measure volatile amount and dust deposition*, 11th LCPM conference, 2015

Palomba E., ..**Boccaccini A.** et al., *CAM: Contamination Assessment Microbalance*, Metrology for Aerospace 2016;

Palomba E., ..**Boccaccini A.** et al., *VISTA: a miniaturized thermogravimeter to detect planetary dust and volatiles*, 3rd IPM 2016;

Palomba E., ..**Boccaccini A.** et al., *VISTA, a thermogravimeter to measure dust and volatile from Dydimos*, AIMS, 2016;

Dirri F. ....**Boccaccini A.**, et al., *Monitoring contamination due to materials outgassing by QCM-based sensors*, 41st COSPAR, 2016.

**Technical Report for CAM Project:**

1. E. Palomba, A. Longobardo, F. Dirri, B. Saggin, D. Biondi, **A. Boccaccini**, *Test Plan*, Project: CAM – Evaluation of an In-Situ Molecular Contamination Sensor for Space Use (ITT-ESA), 2014

2. E. Palomba, A. Longobardo, B. Saggin, D. Biondi, **A. Boccaccini**, *Preliminary Test Plan*, Project: CAM – Evaluation of an In-Situ Molecular Contamination Sensor for Space Use (ITT-ESA), 2014