

## **Andrea RAPONI**

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Dr. Andrea Raponi received his Master degree in Astronomy and Astrophysics “cum laude” in July 2011 from the University of Rome “La Sapienza”, and the PhD in Astronomy in December 2014 from the University of Rome “Tor Vergata”. He performs the research activity in the Italian National Institute for Astrophysics where he studies the light reflectance properties of asteroids and cometary nuclei. He is an associated scientist of Rosetta mission (ESA), and a science team member of Dawn mission (NASA).

Dr. Raponi is interested in the physical and compositional properties of asteroids and comets. He studies the spectral reflectance properties of airless bodies from high-resolution, hyper-spectral images obtained by imaging spectrometers on-board spacecraft. In particular he performed analysis on the composition, photometry and thermal emission of Comet ChuryumovGerasimenko and the dwarf planet Ceres, and their spatial and temporal variation.

He is also involved in the in-flight calibration of the imaging spectrometer VIRTIS (Visible, InfraRed and Thermal Imaging Spectrometer) on-board Rosetta, and VIR (Visible and Infrared mapping spectrometer) on-board Dawn.

Dr. Raponi performed analysis on the solar diameter and the definition of the solar profile at the edges by means of the eclipse observations.

He was also involved in public outreach activities at the Monte Porzio Observatory in Rome.