Optimization of Narrowband Visible to Near-IR Filters for the Psyche Multispectral Imager

Results from visible to near-IR reflectance spectroscopic study of metal-rich meteorites to optimize filter selection for Psyche Mission’s Multispectral Imager.

Pre-Arrival Scientific Calibration of the Hayabusa2 Multi-Band Visible Camera

Detailed pre-arrival calibration for Hayabusa2 ONC obtained data on far-field PSF, dark noise at high temperatures, flat field, and stray light level.

The Camera of the MASCOT Asteroid Lander on Board Hayabusa 2 — Science Objectives, Imaging Sequences, and Instrument Design

A falcon en route / To Ryugu with a small scout / Viewing a stranger.

Thermal Infrared Imager TIR on Hayabusa2 and Its Preparation for Asteroid Proximity Phase Operations Around 162173 Ryugu

Thermal infrared imager on Hayabusa2 is to investigate thermo-physical properties of 162173 Ryugu. Its in-flight performance and observation plan are presented.

Mini-Advanced Pointing Imaging Camera (mAPIC) Concept

Mini-Advanced Pointing Imaging Camera is a high-res imaging system which simultaneously takes images of targets and stars with 2-axis control capability.

Near Ultraviolet Astronomical Observations from the Lunar Surface Using Lunar Ultraviolet Cosmic Imager (LUCI)

LUCI is a near UV transit telescope, which will perform the survey of the available sky from the surface of the Moon, primarily looking for transients.

Validation of the 3D Vision and Visualization Frameworks PRoViP and PRO3D for the Mars2020 and ExoMars Stereo Panoramic Camera Systems

We report on validation processes for panoramic stereo camera systems on planetary rover missions used to image rock outcrops along rover traverses.

Simulating the Image Chain of the ExoMars 2020 Rover PanCam Wide Angle Cameras

A comprehensive simulation is presented of the PanCam WACs, such that realistic noisy images can be synthesised for verification of image processing algorithms.
Maki J. N. Trebi-Ollennu A. Deen R. Golombek M. Abarca H. et al. POSTER LOCATION #336
The Color Cameras on the InSight Mars Lander [#2764]
This abstract describes the two color cameras on the InSight Mars lander.

McEwen A. S. HiRISE Science and Operations Team POSTER LOCATION #337
The Future of MRO/HiRISE [#1301]
HiRISE may last another decade at Mars, returning mostly 2 × 2 binned images, but we should remember the Janis Joplin rule: “Get it while you can.”.