

Thursday, March 22, 2018 **[R620]**
POSTER SESSION II: INSTRUMENT AND PAYLOAD CONCEPTS I:
CAMERAS AND IMAGERY
6:00 p.m. Town Center Exhibit Area

- Dibb S. D. Bell J. F. III **POSTER LOCATION #327**
[Optimization of Narrowband Visible to Near-IR Filters for the Psyche Multispectral Imager](#) [#2203]
 Results from visible to near-IR reflectance spectroscopic study of metal-rich meteorites to optimize filter selection for Psyche Mission's Multispectral Imager.
- Sugita S. Tatsumi E. Kouyama T. Kameda S. Yokota Y. et al. **POSTER LOCATION #328**
[Pre-Arrival Scientific Calibration of the Hayabusa2 Multi-Band Visible Camera](#) [#2145]
 Detailed pre-arrival calibration for Hayabusa2 ONC obtained data on far-field PSF, dark noise at high temperatures, flat field, and stray light level.
- Schmitz N. Jaumann R. Koncz A. Schroeder S. Trauthan F. et al. **POSTER LOCATION #329**
[The Camera of the MASCOT Asteroid Lander on Board Hayabusa 2 — Science Objectives, Imaging Sequences, and Instrument Design](#) [#2243]
 A falcon en route / To Ryugu with a small scout / Viewing a stranger.
- Okada T. Fukuhara T. Tanaka S. Taguchi M. Arai T. et al. **POSTER LOCATION #330**
[Thermal Infrared Imager TIR on Hayabusa2 and Its Preparation for Asteroid Proximity Phase Operations Around 162173 Ryugu](#) [#1403]
 Thermal infrared imager on Hayabusa2 is to investigate thermo-physical properties of 162173 Ryugu. Its in-flight performance and observation plan are presented.
- Park R. S. Riedel J. E. **POSTER LOCATION #331**
[Mini-Advanced Pointing Imaging Camera \(mAPIC\) Concept](#) [#1200]
 Mini-Advanced Pointing Imaging Camera is a high-res imaging system which simultaneously takes images of targets and stars with 2-axis control capability.
- McKinney C. Basset C. Schwochert M. Staehle R. Boland J. **POSTER LOCATION #332**
[Flexible Camera Architecture for Generic Space Imaging Applications](#) [#2857]
 An adaptable, reusable space-qualified camera platform that takes advantage of screened COTS components.
- Mathew J. Kumar B. Sarpotdar M. Suresh A. Nirmal K. et al. **POSTER LOCATION #333**
[Near Ultraviolet Astronomical Observations from the Lunar Surface Using Lunar Ultraviolet Cosmic Imager \(LUCI\)](#) [#1489]
 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.
- Paar G. Barnes R. Gupta S. Traxler C. Gunn M. et al. **POSTER LOCATION #334**
[Validation of the 3D Vision and Visualization Frameworks PROViP and PRO₃D for the Mars2020 and ExoMars Stereo Panoramic Camera Systems](#) [#2688]
 We report on validation processes for panoramic stereo camera systems on planetary rover missions used to image rock outcrops along rover traverses.
- Stabbins R. B. Griffiths A. D. Gunn M. Huntly C. Trauthan F. et al. **POSTER LOCATION #335**
[Simulating the Image Chain of the ExoMars 2020 Rover PanCam Wide Angle Cameras](#) [#2099]
 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."