

Thursday, October 29, 2015

EQUATORIAL IV

8:00 a.m. Lecture Hall

- 8:00 a.m. Michalski J. R. * Niles P. B. Sutter B. Bell M. S.
[McLaughlin Crater as a Candidate Landing Site for Humans on Mars](#) [#1025]
McLaughlin Crater is a deep, Noachian impact crater containing clay minerals and carbonates that likely formed an ancient lake.
- 8:15 a.m. Ori G. G. * Pondrelli M.
[Exploration Zone for Human Mission to Mars: The Area South of Firsoff Crater in Arabia Terra](#) [#1026]
We are proposing an area south of Firsoff Crater that scientifically includes: reconstruction of the stratigraphy at global scale, the identification of sedimentary environment and paleoclimatic conditions and large astrobiological potentiality.
- 8:30 a.m. Lynch K. L. * Wray J. J.
[Exploring Habitability, Hydrology, and Climate Change on Mars at Columbus Crater](#) [#1041]
Columbus crater is groundwater fed paleolake basin located in the northwest region of Terra Sirenum and is known for hosting a large diversity of aqueous deposits and therefore hosts a variety of science ROIs and potential resource ROIs.
- 8:45 a.m. Ackiss S. E. Wray J. J. Seelos K. D. Niles P. B. *
[Huygens Crater: Insights into Noachian Volcanism, Stratigraphy, and Aqueous Processes](#) [#1032]
Huygens crater is a well preserved peak ring structure in the Noachian highlands. It uplifted pre-Noachian crustal materials and experienced subsequent aqueous activity and volcanic resurfacing making it an ideal location to explore.
- 9:00 a.m. Lee P. * Acedillo S. Braham S. Brown A. Elphic R. Fong T. Glass B. Hoftun C. Johansen B. W. Lorber K. Mittlefehldt D. Tagaki Y. Thomas P. West M. West S. Zolensky M.
[Noctis Landing: A Proposed Landing Site/Exploration Zone for Human Missions to the Surface of Mars](#). [#1050]
Noctis Landing offers a large number and wide range of ROIs for short-term and short-range Mars exploration, and is located strategically between Tharsis and Valles Marineris, which is key for longer-term and longer-range exploration.
- 9:15 a.m. INTEGRATING DISCUSSION
- 9:35 a.m. Break