

Tuesday, March 20, 2018  
**POSTER SESSION I: LUNAR LANDING SITE CHARACTERIZATION**  
 6:00 p.m. Town Center Exhibit Area

[T340]

- Lucchitta B. K. *POSTER LOCATION #619*  
[\*Apollo 17 Geologic Maps: What We Knew Then\*](#) [#1573]  
 Few extraterrestrial geologic maps were ever checked in the field. Given is a brief summary of what we knew, what we learned, what we got right and wrong.
- Ivanov M. A. Hiesinger H. Pasckert J.-H. van der Bogert C. H. Head J. W. *POSTER LOCATION #620*  
[\*Contribution of the Lunar Basin Ejecta to Materials Within the Luna-Glob Landing Zone\*](#) [#1139]  
 The model thickness of ejecta from lunar basins within the Luna-Glob landing zone (65–85S, 0–60E) is estimated. The SPA Basin is the major contributor of materials.
- Choi T. X. Blewett D. T. Wang A. R. Zheng Y.-C. Cloutis E. A. *POSTER LOCATION #621*  
[\*Color Studies of the Chang'e-3 Landing Site with Images from the Rover Panoramic Camera\*](#) [#1148]  
 We calibrated PCAM RGB images to reflectance factor, and compare spectra of rocks and soils at the landing site with lab spectra of returned Apollo samples.
- Huang J. Xiao Z. Y. Flahaut J. Martinot M. Xiao X. *POSTER LOCATION #622*  
[\*Geological Characteristics of Chang'e-4 Landing Site\*](#) [#1438]  
 China plans to send Chang'e-4 to the SPA Basin for *in-situ* exploration and we present geological characteristics of the candidate landing site in this study.
- Orgel C. Ivanov M. A. Hiesinger H. Pasckert J.-H. *POSTER LOCATION #623*  
 van der Bogert C. H. et al.  
[\*Characterization of High-Priority Landing Sites for the Chang'e-4 Exploration Mission to the Apollo Basin, Moon\*](#) [#1969]  
 We provide a detailed analysis of three high-priority regions of interest (ROIs) within the central and southern mare deposits of the Apollo Basin.
- Meng Z. G. Zhu Y. Z. Ping J. S. Huang Q. Cai Z. C. et al. *POSTER LOCATION #624*  
[\*Landing Site Selection and Prospective Scientific Objectives of Von Kármán Crater Within South Pole-Aitken Basin\*](#) [#1320]  
 Through analyzing the geologic significance and scientific values of Von Kármán Crater, three candidate landing sites are proposed in this study.
- Giguere T. A. Gillis-Davis J. J. Trang D. Jolliff B. L. *POSTER LOCATION #625*  
[\*Analysis of the Rumker Hills Region: Chang'e 5 Landing Site Assessment\*](#). [#2844]  
 Mare near Mons Rumker meet requirements for a safe, productive sample return mission. Three sites are evaluated using various criteria.
- Di K. Jia M. Xin X. Liu B. Liu Z. et al. *POSTER LOCATION #626*  
[\*High Resolution Seamless Mapping of Chang'e-5 Landing Area Using LROC NAC Images\*](#) [#1752]  
 We developed a method for large area lunar mapping and produced a high-resolution seamless DOM mosaic of Chang'e-5 landing area using 765 LROC NAC images.
- Qian Y. Xiao L. Zhao J. Zhao S. Head J. W. et al. *POSTER LOCATION #627*  
[\*Geology and Science Value of the Rümker Region in Northern Procellarum: Candidate Sample Return Area of the Chang'e-5 Lunar Mission\*](#) [#1433]  
 The Chang'e-5 mission is scheduled to launch in 2019. The purpose of this study is to summarize the geology and potential science value of the landing region.

Inoue H. Otake H. Ohtake M. Yamamoto M. Hoshino T. et al. *POSTER LOCATION #628*  
[Landing Site Analysis for Future Lunar Polar Exploration Missions](#) [#1738]

This paper presents the analysis results as for the landing site selection using previous remote-sensing data.

Bai J. Cho M. Choi H. Tahk M. *POSTER LOCATION #629*  
[Identification and Analysis of Risk Factors in Lunar Path Planning Using High Resolution Digital Elevation Model](#) [#1868]

With the advance of HRDEM, path planning of lunar rovers became important. This paper identifies and analyzes the risk factors using HDREM.

Brown H. B. Mahanti P. Robinson M. S. *POSTER LOCATION #630*  
[Assessing Terrain Traversability of Lunar PSRs](#) [#2500]

Analysis of terrain at lunar PSRs using LOLA and LROC datasets to provide a practical assessment of accessibility at sites of interest.