

Meteoritics & Planetary Science—Special Issue on Impact Cratering



The April 2018 issue of *Meteoritics & Planetary Science* (volume 53, issue 4) is devoted to impact cratering with 14 articles covering topics presented at the Workshop on Issues in Crater Studies and the Dating of Planetary Surfaces, which was held May 19-22, 2015. [For more see the [Workshop Website](#) for complete details.]

The [M&PS Table of Contents and abstracts](#) are available to everyone. Here are the titles available in this issue:

- Dating very young planetary surfaces from crater statistics: A review of issues and challenges
- Measuring impact crater depth throughout the Solar System
- Secondary craters and ejecta across the Solar System: Populations and effects on impact-crater-based chronologies
- Martian cratering 12. Utilizing primary crater clusters to study crater populations and meteoroid properties
- Impact cratering as a cause of climate change, surface alteration, and resurfacing during the early history of Mars
- Determination of Mars crater geometric data: Insights from high-resolution digital elevation models
- Testing landslide and atmospheric-effects models for the formation of double-layer ejecta craters on Mars
- The role of substrate characteristics in producing anomalously young crater retention ages in volcanic deposits on the Moon: Morphology, topography, subresolution roughness, and mode of emplacement of the Sosigenes lunar irregular mare patch
- On the depths and shapes of the freshest kilometer-scale simple craters on the lunar maria: A new crater shape model
- Low crater frequencies and low model ages in lunar maria: Recent endogenic activity or degradation effects?
- The nature and emplacement of distal aqueous-rich ejecta deposits from Hale crater, Mars
- Sedimentological and petrographic analysis of drill core FC77-1 from the flank of the central uplift, Flynn Creek impact structure, Tennessee
- Can spatial statistics help decipher impact crater saturation?
- Revised recommended methods for analyzing crater size-frequency distributions

Meteoritics & Planetary Science is an international monthly journal of planetary science published by the [Meteoritical Society](#) — a scholarly organization founded in 1933 to promote research and education in planetary science with emphasis on studies of meteorites and other extraterrestrial materials, including samples from space missions, that further our understanding of the origin and history of the Solar System.



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April 2018

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