POSTER SESSION I: MAPPING TERRESTRIAL IMPACT CRATERS AND THEIR EJECTA
6:00 p.m. Town Center Exhibit Area

Kring D. A.  POSTER LOCATION #116
*Botanical Signature of Tectonic Fractures in the Target Rocks of Barringer Meteorite Crater, Arizona* [#1036]
The pre-impact tectonic structure that affected the shape of Meteor Crater is easy to observe in lines of vegetation that grow along joint sets.

Kring D. A. Atwood-Stone C. Boyd A. Brown J. Corley L. et al.  POSTER LOCATION #117
*Distribution of Discontinuous Kaibab Ejecta North of Meteor Crater, Arizona* [#1186]
New mapping indicates there is significant discontinuous Kaibab-rich ejecta far beyond the area originally mapped by Shoemaker.

Durda D. D. Kring D. A.  POSTER LOCATION #118
*Size-Frequency and Spatial Distribution of Ejecta Blocks at Meteor Crater, AZ Determined from LiDAR and Satellite Imagery* [#1487]
We use two independent sets of data to map the locations and dimensions of ejecta blocks at Meteor Crater and compare the size distribution to lunar craters.

Rathbun K. Ukshtins Peate I.  POSTER LOCATION #119
*Modeling Ejecta Distribution and Modification at Monturaqui Crater, Chile: A Multi-Source Application of ArcGIS* [#2778]
We present a GIS-based, multi-source analysis of the distribution and modification of granitic ejecta and dark impact melt from a small, simple crater.

King D. T. Jr. Petruny L. W.  POSTER LOCATION #120
*Correlation of Northern Belize’s Cretaceous-Paleogene (“KT”) Boundary Sections* [#1408]
Cretaceous-Paleogene boundary sections are preserved in small grabens across northern Belize. Three of the best sections are described and correlated.

Heider E. King D. T. Jr Ormő J.  POSTER LOCATION #121
*Early Modification Stage Dynamics of Shallow Crater-Filling Units, Wetumpka Impact Structure, Alabama* [#2566]
A slice of Wetumpka’s interior and explanation of early modification stage dynamics according to shallow crater filling units.

Kukko A. Kaartinen H. Zanetti M.  POSTER LOCATION #122
*Backpack Personal Laser Scanning System for Grain-Scale Topographic Mapping* [#2407]
We present a newly developed backpack personal laser scanning system Akhka R2 for acquisition of highly detailed 3-D topographic information for impact analysis.

Botes Z. A. Misra S. Andreoli M. A. G.  POSTER LOCATION #123
*The ~215 km Morokweng Impact Structure, South Africa — An Integrated Survey from Satellite Imagery* [#1739]
Interpretation of Landsat imagery of the Morokweng impact crater indicates a multi-ring structure with a diameter of approximately 215 km.

Brown J. J. Spray J. G.  POSTER LOCATION #124
*Constraining the Dimensions of the Manicouagan Impact Structure: Analysis of the Gravity Anomaly* [#1482]
Gravity data, combined with field evidence, is analyzed to find that the Manicouagan structure has a collapsed transient crater diameter of between 65 and 75 km.

Shankar B. Osinski G. R.  POSTER LOCATION #125
*Revisiting the Lineament Study of the Sudbury Impact Structure Using Recent Remote Imagery* [#3004]
Updating the lineament studies previously done in the 1990s.