

Sunday, July 23, 2017

**WORKSHOP: RECOGNIZING THE CRITERIA FOR ANCIENT IMPACT STRUCTURES**

**9:30 a.m. La Fonda Hotel**

*This workshop focuses on the criteria for identifying ancient and/or degraded impact structures.*

**Chairs: Aaron Cavosie  
Shawn Wright**

- 9:30 a.m. Reimold W. U. \*  
[Recognition of Impact Structures: Part I. The Rock and Shock Record](#) [#6048]  
This contribution introduces the issues to be discussed at the “Recognizing the Criteria for Ancient Impact Structures” Workshop — focusing on shatter cones, geology and geophysics, and shock metamorphism.
- 10:15 a.m. Koeberl C. \*  
[Recognition of Terrestrial Impact Structures, Part 2: Meteoritic Components, Shock Effects, and Other Characteristics](#) [#6276]  
Criteria for the identification of impact structures on Earth are reviewed.
- 11:00 a.m. Cavosie A. J. \*  
[Shock Deformation at Degraded Impact Craters: The Santa Fe Structure](#) [#6106]  
Documenting evidence of shock deformation at degraded impact structures of any age is a challenge. This presentation reviews evidence of shock metamorphism at the Santa Fe impact structure as a case study for investigating degraded impact craters.
- 11:45 a.m. Field trip logistics
- 12:00 p.m. Break for lunch
- 1:30 p.m. Field Trip Departs from La Fonda