

Thursday, May 21, 2015
WHAT DOESN'T KILL YOU MAKES YOU STRONGER
2:00 p.m. E200 Auditorium

Chairs: Daniel Berman
Michael Zanetti

- 2:00 p.m. Plesko C. S. *
[*Squaring the Circle: Impact Craters as a Diagnostic of Pre-Existing Sub-Surface Target Features*](#) [#9043]
Pre-existing inhomogeneities in target geology affect the geometry of impact craters. I explore the effects of target faulting on the evolution and final geometry of impact crater models and the use of craters as a probe of sub-surface morphology.
- 2:25 p.m. van der Bogert C. H. * Dundas C. M. Hiesinger H.
[*Target Property Contrasts as an Origin of Age and Slope Discrepancies Between CSFDs of Coeval Units*](#) [#9021]
CSFDs on large lunar melt units, which contain craters crossing the strength- to gravity-scaling transition, along with scaling models for lunar materials, suggest that target contrasts are the main origin of age and slope mismatch in coeval units.