Wednesday, May 25, 2016
LUNAR MAGNETISM AND SURFACE PROCESSES
8:30 a.m. Hess Room

Chairs: **Georgiana Kramer**
Jeff Plescia

8:30 a.m. Kramer G. Y. *
The Formation of Lunar Swirls: International Investigations Reach Consensus **[#6025]**
The man in the moon looked out of the moon and this is what he said, "Tis time that, we all agree, swirls are regions that are protected from solar wind weathering by the magnetic anomalies."

8:45 a.m. Fa W. *
The Moon's Regolith: Stratigraphy and Evolution **[#6013]**
New results about regolith thickness and accumulation rate are estimated from new data sets from recent lunar missions.

9:00 a.m. Denevi B. W. * Robinson M. S. Sato H. Boyd A. K.
LROC Wide Angle Camera Ultraviolet-Visible Images of the Moon **[#6064]**
LROC WAC ultraviolet through visible 7-band observations of the lunar surface have provided insights into space weathering and the distribution and nature of lunar swirls.

9:15 a.m. Cahill J. T. S. * Hendrix A. R. Retherford K. D. Denevi B. W. Stickle A. M. Hurley D. M. Greathouse T. K. Liu Y. Mandt K. E.
New Global Observations of Lunar Regolith Maturity in the Far-Ultraviolet **[#6060]**
Examination of lunar swirls, photometric anomalies, and maturity with global Lyman-alpha albedo data.

9:30 a.m. Paige D. A. *
New Infrared Views of the Moon from Diviner **[#6094]**
The Diviner Lunar Radiometer Experiment has mapped the lunar surface for almost seven years, acquiring a dataset of unprecedented quality, detail, and coverage, providing many new infrared views of the Moon and its history.

9:45 a.m. Plescia J. B. *
Characteristics and Evolution of the Lunar Regolith **[#6083]**
Our understanding of the properties of the lunar regolith, its formation, and the role it plays in the production, transport and storage of volatiles has changed dramatically over the last decade.

10:00 a.m. Break

10:15 a.m. Clegg-Watkins R. N. * Jolliff B. L.
New Insights on Lunar Surface Properties from the Perspective of LRO NAC Photometry **[#6028]**
The use of NAC photometry has allowed us to gain new insights into physical changes of regolith at spacecraft landing sites, and to determine correlations between composition and reflectance that can be applied to areas of unusual composition.

10:30 a.m. Needham D. H. * Bleacher J. E. Garry W. B. Petro N. E. Whelley P. L. Young K. E.
Lava Flow Emplacement and Related Surface Features on the Moon **[#6048]**
Observations of new volcanic features and of finer-scaled details of known features have shown the Moon to be more complex than previously considered; thus, these features should be incorporated into a volcanism chapter in New Views of the Moon 2.

10:45 a.m. Speyerer E. J. * Povilaitis R. Z. Robinson M. S. Thomas P. C. Wagner R. V.
Dynamic Moon: New Impacts and Contemporary Surface Changes **[#6082]**
Before and after image pairs acquired by the Lunar Reconnaissance Orbiter Camera enable the identification of new impact craters and secondary surface changes revealing new insight into the cratering process and regolith gardening.

11:00 a.m. Monitored by Session Chairs
3-Minute Lightning Round of New Data and Perspectives

11:15 a.m. DISCUSSION