

Monday, March 21, 2016

[M152]

SPECIAL SESSION:

NEW HORIZONS AT PLUTO! FIRST YEAR OF MAPPING

2:30 p.m. Waterway Ballroom 4 and 5

**Chairs:** Orkan Umurhan  
Kelsi Singer

- 2:30 p.m. Spencer J. R. \* Moore J. M. McKinnon W. B. Stern S. A. Young L. A. et al.  
[The Geology of Pluto and Charon Revealed by New Horizons](#) [#2440]  
The New Horizons spacecraft has revealed complex and ongoing geological activity on Pluto, and ancient resurfacing on Charon.
- 3:00 p.m. Grundy W. M. \* Binzel R. P. Cook J. C. Cruikshank D. P. Dalle Ore C. M. et al.  
[Surface Compositions on Pluto and Charon](#) [#1737]  
This talk will focus on the complex surface compositions of Pluto and Charon, the two largest bodies in the system explored by New Horizons in 2015.
- 3:30 p.m. Summers M. E. \* Gladstone G. R. Stern S. A. Ennico K. Olkin C. B. et al.  
[The Neutral Atmospheres of Pluto and Charon](#) [#2864]  
The New Horizons Pluto flyby has given us a wealth of information on Pluto's atmosphere and constraints for an atmosphere on Charon. We discuss these results.
- 4:00 p.m. Porter S. B. \* Showalter M. R. Weaver H. A. Spencer J. R. Binzel R. P. et al.  
[The Small Satellites of Pluto](#) [#2390]  
An overview of the four small satellites of Pluto and what we learned about them from the New Horizons Pluto flyby.
- 4:30 p.m. McKinnon W. B. \* Moore J. M. Spencer J. R. Grundy W. M. Gladstone G. R. et al.  
[The Pluto-Charon System Revealed: Geophysics, Activity, and Origins](#) [#1995]  
New Horizons has revealed the character and evolution of a small, icy binary planet, one born in a giant impact much closer to the Sun over 4 billion years ago.