Monday, March 18, 2013 **[M152]**
PLANETARY CARTOGRAPHY: MAPPING, DATABASES, AND TOOLS
2:30 p.m. Waterway Ballroom 1

Chairs: **Randolph Kirk**
Brent Archinal

2:30 p.m. Archinal B. A. * IAU Working Group
Update on the IAU Working Group on Cartographic Coordinates and Rotational Elements and its Upcoming Report **[#2895]**
The work of the IAU Working Group on Cartographic Coordinates and Rotational Elements is described. Input from the planetary community is encouraged.

2:45 p.m. Kirk R. L. * Becker T. L. Shinaman J. Edmundson K. L. Cook D. et al.
A Radargrammetric Control Network and Controlled Mini-RF Mosaics of the Moon's North Pole…at Last! **[#2920]**
Production of controlled radar mosaics of the Moon is underway. We are working outward from the north pole and will map both poles to 70° at 30 m/pix.

3:00 p.m. Hare T. M. * Akins S. W. Sucharski R. M. Bailen M. S. Anderson J. A.
Map Projection Web Service for PDS Images **[#2068]**
The Astrogeology Science Center has developed an on-line tool that transforms raw PDS images to science-ready map projected images.

3:15 p.m. Acton C. H. Jr. *
Advances in SPICE Support of Planetary Science **[#1224]**
"SPICE" is the international standard, comprising data and allied software, for analyzing the data returned from missions sent to any solar system body.

3:30 p.m. Gläser P. * Scholten F. Haase I. Oberst J. De Rosa D. et al.
Improvement of Local LOLA DTMs using LROC NAC DTMs — Example for an ESA Lunar Lander Candidate Landing Site **[#1967]**
A method to improve LOLA DTMs with the help of NAC DTMs is shown at Connecting Ridge, a candidate landing site for the ESA Lunar Lander at the lunar south pole.

3:45 p.m. Rosiek M. R. * Thomas O. Howington-Kraus E. Foster E.
Lunar South Pole Digital Elevation Models from Lunar Reconnaissance Orbiter Narrow Angle Camera **[#2583]**
Comparison of topographic models generated from LRO NAC images with LOLA grid and track data, covering the lunar south pole.

4:00 p.m. Nagasubramanian V. * Radhadevi P. V. Dr. KrishnaSumanth T.
Sudheer Reddy D. Jyothi M. V. et al.
Automatic Identification of Lunar Control Points **[#1961]**
An algorithm for automatic identification of lunar control points from Chandrayaan-1 TMC triplet images and Clementine ortho image is presented in this paper.

4:15 p.m. Haase I. * Gläser P. Knapmeyer M. Oberst J. Robinson M. S.
Improved Coordinates of the Apollo 17 Lunar Seismic Profiling Experiment (LSPE) Components **[#1966]**
To support reanalysis of the Apollo 17 seismic data we determined the ME-coordinates of the LSPE active sources and receivers using LROC NAC and Apollo surface images.

4:30 p.m. Smith A. Thompson D. R. * Sayfi E. Xing Z. Castano R.
A Web-Based Search Service to Support Imaging Spectrometer Instrument Operations **[#2467]**
We developed a web service for searching within imaging spectrometer data, enabling fast interpretations of these data products during instrument operations.