SPECIAL SESSION: LARGE IGNEOUS PROVINCES IN THE SOLAR SYSTEM
2:30 p.m.   Montgomery Ballroom

Chairs:   Tracy Gregg
          Richard Ernst

2:30 p.m.    Ernst R. E. *  Buchan K. L.  Jowitt S. M.  Youbi N.
Applying the Terrestrial Large Igneous Provinces (LIPs) Context to Large-Scale Magmatism on Other Planetary Bodies [#1373]
Insights from the terrestrial LIP record are applied to LIP-scale intraplate magmatism on other planetary bodies.

2:45 p.m.    Fawdon P. *  Balme M. R.  Vye-Brown C.  Rothery D. A.  Jordan C. J.
Syrtis Major Planum (Mars): A Type Example or a Special Case of a Large Igneous Province [#2138]
We present the geological history of Syrtis Major Planum (Mars), which provides an example of how large igneous provinces develop on terrestrial planets.

3:00 p.m.    Gregg T. K. P. *
Volcanic Vents in Hesperia Planum, Mars: Sources for an Extraterrestrial Large Igneous Province [#1659]
Hiding in plain sight / Hesperia Planum’s vents / Appear at hi-res.

3:15 p.m.    Richardson J. A. *  Wilson J. A.  Connor C. B.  Bleacher J. E.
Magma Flux at Arsia Mons, Mars, Over the Past 300 Million Years [#2404]
New estimates of the recurrence rate of volcanic activity and magma flux through time are modeled for a volcano cluster in the Tharsis Volcanic Province, Mars.

3:30 p.m.    Keszthelyi L. *  Jaeger W. L.  Dundas C. M.
Investigating the Role of Water and Lava in Athabasca Valles, Mars [#1755]
What fluid(s) carved Athabasca Valles? When? We at least have an idea on how to answer these questions.

The Aristarchus Plateau Large Igneous Province: The Case for Bi-Modal Volcanism [#2320]
Anomalous plateau sites have similar compositions to evolved Si-rich Aristarchus ejecta, suggesting bi-modal emplacement during construction of Cobra Head.

4:00 p.m.    Neal C. R. *
Lunar LIPs: What Story are They Telling Us? [#1912]
The mare basalt terrains on the Moon exhibit similarities and differences with flood basalt provinces on Earth. Are there lunar LIPs?

4:15 p.m.    Graff J. R. *  Ernst R. E.  Samson C.
Local Triple-Junction Rifting Along Parga Chasma on Venus [#1304]
Our detailed mapping study proposes a model that Parga Chasma developed as a series of local triple-junction rifts extending from individual magmatic centres.

4:30 p.m.    Bethell E. M. *  Ernst R. E.  Samson C.  Buchan K. L.
Detailed Mapping of Graben-Fissure Systems Associated with Fatua Corona, Venus: Implications for Magmatism and the Regional Stress Field [#2177]
Detailed mapping of dyke swarms associated with Fatua corona, Venus, has provided insight on the volume of associated magma and the regional stress field.