**POSTER SESSION I: MARS GEOMORPHOLOGY: STRUCTURES AND TECTONICS**

6:00 p.m.  Town Center Exhibit Area

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**POSTER LOCATION #216**

*The Gravity Field of Mars from MGS, Mars Odyssey, and MRO Radio Science [1872]*

MGS, Mars Odyssey, and MRO have enabled NASA to conduct radio science experiments for 16 consecutive years. We will present an improved gravity model of Mars.

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**POSTER LOCATION #217**

*Ductile and Brittle Deformational Features Within the Light Toned Mounds of Juventae Chasma, Mars [1788]*

Ductile and brittle deformational features are identified from the light-toned mounds of Juventae Chasma using HiRISE images.

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**POSTER LOCATION #218**

*The Anatomy of a Wrinkle Ridge Revealed in the Wall of Melas Chasma, Mars [2575]*

We analyze a wrinkle ridge thrust fault exposed in the wall of Melas Chasma, Mars. The derived fault dip of 13°–18° is less than typically assumed.

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**POSTER LOCATION #219**

*What Caused Landslides in Valles Marineris, Mars – The Sequel? [2501]*

We examined the role of meteorite impacts in producing landslides in Valles Marineris. Our results suggest marsquakes are a more important cause of landslide.

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**POSTER LOCATION #220**

*High-Resolution Structural and Geologic Mapping in Candor Chasma [1210]*

This paper presents a synthesis of results from high-resolution geologic and structural mapping in Candor Chasma.

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**POSTER LOCATION #221**

*Thrust Fault Displacement Distributions at the Phlegra Montes Lobate Scarp System, Mars [1557]*

Phlegra Montes, Mars/Impressive thrust tectonics/How you may have grown?

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**POSTER LOCATION #222**

*A Possible Diapir in Athabasca Region on Mars [2142]*

A circular feature was observed on Mars by the HiRISE camera. From DTM analysis its circular positive relief shape has been interpreted as diapiric phenomenon.