Montesi L. G. M.  
POSTER LOCATION #534
Plate Boundary Localization: What Processes Active on Earth do not Apply to Other Planetary Lithosphere? [#2652]
Localization can always occur in the upper mantle and upper crust, but only on Earth can micas form interconnected layers and localize midcrustal shear zones.

Matsuyama T.  
POSTER LOCATION #535
Thermal Evolution and Possibility of the Early Plate Tectonics on Mars [#2881]
This study modifies the previous thermal evolution theory with plate tectonics.

Roberts J. H.  Arkani-Hamed J.  
POSTER LOCATION #536
Impact Heating of Mars: Coupled Mantle Dynamics, Core Cooling and Dynamo Activity [#1161]
A giant impact / The core dynamo pauses / Slowly, it returns.

Elder C. M.  Showman A. P.  
POSTER LOCATION #537
Melt Migration Through Io's Convection Mantle [#1651]
1D model of / Io’s mantle convection / And melt migration.

Williams N. R.  Bell J. F. III  Watters T. R.  Banks M. E.  Robinson M. S.  
POSTER LOCATION #538
Timing and Controls of Tectonic Deformation in Mare Frigoris [#2684]
LROC images and GRAIL gravity data provide new insights into the complex tectonic history of Mare Frigoris, including recent deformation in the basin.

Hauber E.  Jonas T.  Voelker M.  Knapmeyer M.  Grott M.  et al.  
POSTER LOCATION #539
Fault Scaling On Mars: Slip Distribution and Displacement-Length Relationship Derived from HRSC Data [#1981]
The displacement/length ratio of normal faults on Mars was determined with HRSC data and is comparable to that of terrestrial faults ($D_{\text{max}} = 0.008 \times L$).

Dasgupta N.  Ruj T.  Das A.  Saran S.  
POSTER LOCATION #540
Horizontal Forces Within Lunar Crust: Intriguing a Questioning Mind [#1343]
We suggest from the study of en-echelon faults and related features, a local scale horizontal transport is visible in lunar crust, devoid of plate tectonics.

Kundu A.  Ruj T.  Dasgupta N.  
POSTER LOCATION #541
A Simplistic Approach in Explaining the Formation of a So-Called Strike-Slip Fault Within the Thaumasia Planum, Mars [#1307]
We propose thrust-related tear faulting trough a single phase progressive deformation to explain the formation of an east-west-trending rift in Thaumasia Planum.

Yin A.  Hansen V.  
POSTER LOCATION #542
Styles of Strike-Slip Faulting in the Solar System and the Corresponding Modes of Thermal-Boundary-Layer Deformation [#1657]
We use kinematic properties of strike-slip faults to test and quantify whether and to what extent plate-tectonic processes operate on solar-system bodies.