**POSTER LOCATION #605**

*MRO’s “Mars in Transition” Mission: The 4th Extended Mission [#2567]*

MRO will pursue four goals with 16 investigations in the 4th Extended Mission (EM4; 2016-1028). Key questions from the Decadal Survey are addressed.

**POSTER LOCATION #606**

*Emirates Mars Mission (EMM) Science Overview [#1992]*

Emirates Mars Mission goal is to explore the dynamics in the atmosphere of Mars on a global scale while sampling both diurnal and seasonal timescales.

**POSTER LOCATION #607**

*The InSight Mission for 2018 [#1896]*

The InSight mission has recovered from an instrument failure last year, and is on track to launch in 2018. We describe the mission as it is now defined.

Lim T. L., Svedhem H., Vago J. L. ExoMars Team  
**POSTER LOCATION #608**

*The ExoMars 2016 Mission [#1446]*

ExoMars 2016 TGO and EDM arrived at Mars in October 2016. Since arrival, a landing attempt was made by the EDM and the TGO performed initial checkout at Mars.

Johnson K. E., Combe J. P., McCord T.  
**POSTER LOCATION #609**

*Calibration of Mars Express Color Data [#2982]*

Method of calibration of the color data from the Mars Express mission.

**POSTER LOCATION #610**

*Automatic Rover Localization in Orbital Maps [#2374]*

This paper presents an automatic rover localization system for autonomous planetary exploration. The system is tested on data from the Mars Science Lab mission.