

COSPAR Session: Forward Planning for the Robotic Exploration of Mars

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For MEPAG Meeting #36**

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COSPAR – July 15-22, 2018, Pasadena, CA

- Three ½ days
 - Tues. (7/17) afternoon, Wed. (7/21) all day
 - Room: SR 17 (Pasadena Conv. Center)
- Structure of the sessions
 - A combination of science and human exploration focused talks
 - Science focused missions currently in development
 - Potential future science focused missions
 - Human exploration studies and missions
 - 11 countries represented-(US, Canada, ESA, China, India, UAE, Japan, UK, France, Czech Republic, Nigeria)



*Courtyard of
Pasadena City Hall*

- Key topics to be discussed
 - Outbrief from the Berlin MSR Conference
 - Outbrief from AM-V (3 talks)
 - Reports on HEOMD “Long Poles” and Human Landing Site Selection process
 - Status reports on major upcoming missions:
 - InSight
 - M-2020
 - ExoMars Rover
 - UAE Hope Mission
 - Presentations on significant future mission concepts
 - Mars polar science
 - Phobos/Deimos
 - Report from Vision-2050 Conference

COSPAR: Mars Science Results Session

Leslie K. Tamppari
April 3-5, 2018



Mars Science Results (Session B4.1)

- **COSPAR – July 15-22, 2018, Pasadena, CA**
- Three ½ days
 - Thursday (7/20) all day, Friday (7/21) morning
 - Room: SR 17
- Structure of the sessions
 - Modern climate/weather
 - Upper atmosphere
 - Modern surface geology
 - Amazonian climate
 - Ancient Climate
 - Interior

Mars Science Results: Session overview

- Solicited Speakers
 - **Francois Forget:** Current Mars Weather and Climate.
 - **Rob Lillis:** The Upper Atmosphere of Mars: Freeway or Bottleneck for Atmospheric Escape?
 - **Colin Dundas:** Active Martian surface processes: A dynamic world
 - **Ali Bramson:** The Amazonian climate of Mars: A cold and dry summary
 - **Heather Franz:** Isotopic constraints on martian climate suggested by Sample Analysis at Mars (SAM) measurements
 - **Philippe Lognonne:** SEIS/INSIGHT: Toward the Seismic Discovering of Mars
- Stats
 - 30 talks; 15 posters
 - 10 countries represented
 - 4 travel grants
- Desire to have poster presenters give 1-slide/2-min summary during the session