COSPAR Session: Forward Planning for the Robotic Exploration of Mars

Brandi Carrier\textsuperscript{1}, Dave Beaty\textsuperscript{1}, and Jorge Vago\textsuperscript{2}
For MEPAG Meeting #36
\textsuperscript{1}Jet Propulsion Laboratory, California Institute of Technology
\textsuperscript{2}European Space Agency
Forward Planning for the Robotic Exploration of Mars

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)
Forward Planning for the Robotic Exploration of Mars

- 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
COSPAR:
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