

Monday, April 24, 2017

NEW TECHNOLOGIES AND TECHNIQUES: OTHER TECHNOLOGIES AND TECHNIQUES:
INSTRUMENTS AND ROBOTICS FOR EXPLORATION OF MARS

11:15 a.m. Palo Verde

Chair: German Sarmiento

- 11:15 a.m. Martinez J. J. * Giraldo S. Gonzalez S. Hurtado M. J. Salgado N. D. Zapata D. S.
[Robotic Prototype for Exploration and Sampling of Liquid in Extreme Environments](#) [#3102]
This work describes the design, construction, and programming of a mobile robot prototype, intended for the collection of liquid samples in places with difficult access.
- 11:30 a.m. Westall F. * Zipfel J. Foucher F.
[Analogue Samples in a European Sample Curation Facility — The EURO-CARES Project](#) [#3295]
We present here a roadmap for the implementation of a European Extraterrestrial Sample Curation Facility (ESCF).
- 11:45 a.m. Sarmiento G. A. *
[Image Processing Software for Minerals Analysis Colombian Extreme Environments Analogue of Mars](#) [#3322]
The identification of minerals in hard-to-reach areas known as extreme environments is of vital importance for mission of Mars.
- 12:00 p.m. Uckert K. * Chanover N. Parness A. Voelz D. G. Xiao X. Hull R. Boston P. J. Abcouwer N. Willig A. Fuller C.
[Demonstration of an Infrared Spectrometer as Part of a Geochemical/Astrobiology Instrument Package on a Robotic Platform](#) [#3614]
We demonstrate the in situ biosignature characterization potential of a NIR point spectrometer operating on the LEMUR rock-climbing robot in a cave environment.
- 12:15 p.m. *Lunch*