Caltech-Tokyo Tech Mars Seminar

Place: 1st floor of the ELSI bldg.
Date: January 19th (Mon), 2015.

Program

9:30-10:15
Tomohiro Usui (Tokyo Tech)
Hydrogen Isotopes Record the History of the Martian Hydrosphere and Atmosphere

10:15-10:45
Mathieu Lapôtre (Caltech)
What can canyons tell us about floods on Hesperian Mars?

10:45-11:00: Coffee break & Poster Session

11:00-12:00
Bethany Ehlmann (Caltech)
(1) The Mineralogy of Mars' Oldest Crust
(2) Carbon Sequestration & the Martian Carbon Budget

12:00-12:20
James Dohm (Uiversity of Tokyo)
The Mars Plate-Tectonic-Basement Hypothesis

12: 20-14:00: Lunch & Poster Session

14:00-14:45
Hiroyuki Kurokawa (Nagoya University)
Volumes of the Past and Present Martian Water Reservoirs: Implications from Hydrogen Isotopes and Model Calculations

14:45-15:30
Abigail Fraeman (Caltech)
Phobos & Deimos: Composition and Possible Evidence for an Origin by Capture

15:30-15:45: Coffee break & Poster Session

15:45-16:30
Ryoichi Nakada (Tokyo Tech)
From laboratory to Mars: Toward an understanding of the Martian Hydrosphere

16:30-17:30
Fraeman, Ehlmann, Buz, Lapotre (Caltech)
MSL study: What Has Been Learned and What Future Exploration Holds?

18:00 -: Wrap-up Party

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Poster

P1:

Ryoichi Nakada (Tokyo Tech)
A Geochemical Study on Mud Volcanoes in the Junggar Basin, China

P2:

Masashi Ushioda (Tokyo Tech)
Conditions of magma chamber beneath terrestrial arc volcano based on high-pressure experiments and melt inclusions analyses: case study on the Miyakejima volcano, Japan

P3:

Ryota Moriwaki (Tokyo Tech)
Preliminary Report on U-Th-Pb isotope Systematics of the Olivine-Phyric Shergottite Tissint