## Japan Geoscience Union Meeting 2014

(28 April - 02 May 2014 at Pacifico YOKOHAMA, Kanagawa, Japan)

©2014. Japan Geoscience Union. All Rights Reserved.



PPS23-13

Room:413

Time:May 2 12:15-12:30

Volatile accretion on the Moon - A clue for the emergence of a habitable Earth.

HASHIZUME, Ko<sup>1\*</sup>; HARUYAMA, Junichi<sup>2</sup>

<sup>1</sup>Osaka University, Graduate School of Science, <sup>2</sup>Japan Aerospace Exploration Agency / Institute of Space and Astronautical Science

I would like to introduce the recent advancement in deciphering the information on accretion of planetary volatile compounds to the moon using lunar regolith samples. I will also make a brief comment on the future lunar explorations, toward a better understanding of volatile accretion to the early Earth-Moon system that possibly lead to the emergence of the habitable Earth.

Keywords: Lunar Regolith, Volatile Compound, Isotope Composition, Accretion Rate