

PPS007-P01

Room: Convention Hall

Time: May 26 17:30-18:30

Current status of science instruments onboard SELENE-2

Satoshi Tanaka¹, Yuichi Iijima¹, Hisashi Otake¹, Takefumi Mitani^{1*}, Jun Kimura²,
Kazunori Ogawa¹, Naoki Kobayashi¹

¹JAXA, ²CPS/Hokkaido Univ.

The next lunar exploration project, 'SELENE-2' is being planned as a successor to 'KAGUYA'. The mission science objectives being updated are categorized into two groups. The first one is related to identification of the Moon-forming material, and the second one is related to clarification of the relationship between surface dichotomy and deeper structure.

About 20 scientific instruments are now proposed. Because of a severe environmental condition, such as temperature and regolith at the surface of the Moon, we carefully examine problems to be solved for each instruments.

Based on the feasibility study, we are now considering the science scenario for SELENE-2. In this presentation we report the current status of the instruments and science scenario.

Keywords: Moon, landing mission