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Current status of science instruments onboard SELENE-2(2)

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The next lunar exploration project, 'SELENE-2' is planned as a successor to 'KAGUYA'. The spacecraft is to be launched before the middle of 2010's.

The primary purpose of the mission is the technical demonstration of soft-landing, but scientific motivation holds a key to move forward the project.

At present, eleven scientific instruments were tentatively selected as the model payload instruments from the viewpoints of both technical readiness and scientific significance. Because of a severe environmental condition, such as temperature and dust, at the surface of the Moon, we carefully examine problems to be solved for each instrument.

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

Keywords: Moon, landing mission