Speaker: Prof. S. Sasaki
Affiliation: Mizusawa VLBI Observation (National Astronomical Observatory of Japan)
Title: New Views of the Moon: Results of KAGUYA mission and Lunar Water
Date & Time: 2009 / 12 / 2 13:30 – 14:30
Place: Chigaku-building Room 503
Contact: m-miyahara@m.tains.tohoku.ac.jp

Report:
（講演者の紹介）
Prof. S. Sasaki is a member of lunar probe KAGUYA (SELENE) project. He is working for clarifying the differences of lunar evolution between back and front based on lunar’s gravity and geography in this project. He is also a member of HAYABUSA (MUSES-C) project.

（講演内容）
First topic is “KAGUYA” research project. Japanese lunar probe “KAGUYA” fell on lunar on June after it finished all observation plan of one and half year. In this research project, National Astronomical Observatory of Japan clarified the thickness of lunar crust using the geography and gravity of lunar in collaboration with JAXA and several universities. As a result, we clarified that the underground structure of collision basin is different between fronts and back of lunar.

Second topic is “Water on Lunar”. Recently, water on lunar is hot topic because the existence of water on lunar was speculated by the spectrum analysis of sand cloud induced by the satellite collision. The water might not be brought by comet but by solar wind.

（報告）
Those who joined this lecture could know the latest results obtained from “KAGUYA” mission. We were attracted with dream-inspiring Mars and lunar research projects.