



JAGIELLONIAN UNIVERSITY
IN KRAKÓW

Second National Mars Science Seminar

Mars Lab projects at the Jagiellonian University

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[PRESENTATION]

Mars Lab is a part of the Planetary Lab, an Interfaculty Program in Planetary Research at the Jagiellonian University. At present, Mars Lab is conducting four research projects, related to: studying aeolian processes in equatorial regions on Mars, investigating atmospheric electric activity and subsurface layers of Mars using extremely low frequency (ELF) electromagnetic waves, geomorphological mapping of Mars, and developing automatic techniques for processing, analysis, and visualization of data acquired by rovers, landers, and orbiters. We will present new results related to our Mars ELF station prototype, wind tunnel experiments, and processing and analysing of large data sets from Mars. We will also present the Strategic Program Excellence Initiative at the Jagiellonian University that can help to empower planetary research in Poland.