

# Planetary Science Conference

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## *Swarm of drone-assisted Leo-rovers as an alternative to scientific exploration of Mars*

**Paweł Czernic**  
**Warsaw University of Technology**

The aim of the project carried out at WUT's CENAGIS center in Jozefoslaw is to develop a methodology for autonomous measurements of landforms using a swarm of Leo-rover rovers and a drone. On a test field imitating aeolian and impact forms found on Mars, research is being conducted using rovers equipped with heterogeneous measurement sensors such as lidar, GPR, and imaging cameras in the visible and near-infrared bands. The method currently being tested will allow for a significant acceleration of field measurements on Mars while increasing the system reliability and significantly reducing costs.