Two way ranging on Lunar Reconnaissance Orbiter at Grasse MéO station

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Abstract:
Lunar Reconnaissance Orbiter (LRO) is a NASA spacecraft orbiting the Moon. Among several experiments, LOLA altimeter allow to perform one way ranging, and there is also a retroreflectors array which has never been used for two way ranging thus far. In September 2018 the MéO station performed the first successful two way ranging on LRO. The first results and the method used to achieve this goal will be presented.

Topics code:
Session 2 : Improving current station performance
Session 3 : Synergies and new applications

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