

Institut für Geophysik
Geophysikalisches Kolloquium
Sommersemester 2020

Montag, 15. Juni 2020

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UAV-borne magnetic prospection of archaeological sites.

Technical developments and first results

The use of unmanned aerial vehicles (UAV) for air-borne magnetic measurements has increased rapidly in the last years. Also archaeological prospection could profit from this development, since it would allow for magnetic prospection of areas, where effective ground-measurements are not possible. Since archaeological targets are usually small and shallow, the magnetic anomalies have to be mapped very densely and close to the ground. These requirements pose special challenges for the measuring system. We used a UAV-borne cesium magnetometer to test the applicability of the method for real archaeological objects. Test measurements on a Celtic burial site and a Roman fortification show promising results, but also great challenges for data acquisition and data analysis.

Das Kolloquium findet um **16 Uhr c. t.** als Zoom-Videokonferenz statt. Der Link dazu wird auf der Homepage und per eMail rechtzeitig mitgeteilt.
Alle an dem Thema Interessierten sind hierzu herzlich eingeladen.

Die Dozenten des Instituts für Geophysik