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## **【216】 Detection of land mines and unexploded ordnance**

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Land mines and unexploded ordnance (UXO) are a wide-spread humanitarian problem in former war zones. Different techniques are used for the detection, but a main problem is the high false positive rate. For the detection of UXO we developed portable electromagnetic induction spectrometer, which is able to distinguish the size of metal objects in the ground. At low frequencies of less than 1 kHz the skin depth in metals is in the range of centimeters and allows for distinguishing small metal fragments from UXO. Further perspectives of UXO and land mine detection will be discussed.

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