



ABSTRACT

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RADIOTECH – Ultra Wideband Radio Application for Localisation of Hidden People and Detection of Unauthorised Objects

The presentation will provide an overview of the RADIOTECH project “Ultra Wideband Radio Application for Localisation of Hidden People and Detection of Unauthorised Objects” and some of its most recent results. The detection of hidden targets uses the ability of microwaves to penetrate most non-metallic materials. High-resolution ultra-wideband radar with a very low power level is used.

We will shortly cover the partners in the project, the operational scenarios for which the technology is being developed and the suitability of ultra wideband radar for such operational scenarios.

Some of the hardware developed in the project will be presented as will some of the results with imaging techniques for the detection and localization of static or moving objects inside rooms with measurements by radars carried out outside the rooms.

The project is co-funded by the European Commission within the 6th Framework Programme for Research and Technological Development.