



Advanced Indoor Positioning Technologies (AIPO)

Key words: GNSS, Indoor network positioning, Signal Strength Based Methods, Fingerprinting, RFID

The aim of the AIPO project is to research and develop advanced indoor positioning techniques and evaluate them in authentic environments in selected industrial applications. (Current) contents are repeating GNSS signal into indoor network through leaky feeding cable constructions developed in the project. The work consists of HW component and system development and SW algorithm development. Second content is the sensor information utilization e.g. from mobile devices and combining that particular information with another taken from GNSS indoor positioning system.

The goal of the project is to develop three different applications in the indoor environment including sensing of personnel and object locations. Offices, hospitals, shopping centers and warehouses can be applied.

Related topics can be discussed. Apply for 7.4.2017 or next autumn.

Current partners:

University of Oulu, Finland

Finnish Geospatial Research Institute FGI, Finland

two SME companies, Finland

large company, Finland

Seeking for:

all partners interested in particular area, companies and institutions in Europe.

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