

WDLT (WIRELESS DEVICE LOCATION TRACING)

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ABSTRACT

The project entitled as "Wireless Device Location Tracing (WDLT)" Knowing the location of a user is very important for a great variety of services, especially in context aware and ubiquitous computing. Hundreds of applications that we use daily exploit information are about our position, for indoor localization, we are faced with different possible solutions, varying in the frame of reference, in type of signal used, and number of reference points. In indoor localization RSS value of the signal is important with help of that we can localize the position of the device.

So, now a days there is no silver bullet in indoor localization, and the choice of a system with respect to another always involves a difficult compromise between accuracy and costs, besides user acceptance, scalability and security.

Our purpose is the real time tracking of customer's location in the shopping area by triangulation method, in order to provide additional services, enhance profiling techniques and improve overall marketing effectiveness.

KEYWORDS: WDLT, Triangulation, RSSI, Indoor Localization, IP



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