

## 2. Abstract

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This work documents the design of an indoors navigation system, which can be used on board of the most extended portable computers (PCs, Tablets and Smartphones). As a typical scenario, this navigation tool will use the inner spaces of the Polytechnic School of the University of Alcalá.

An essential component of the designed system is its adaptability to any user, despite the fact of possible mobility impairing. As a result, the generated route takes into account different mobility profiles of users in order to choose the best route choosing stairs, lifts or ramps.