

Winter Semester 2017 / 2018 Advanced projects at the Q&U Lab

Project title: TU Walking - Campus Indoor Navigation

Supervisor(s) name(s): Benjamin Weiss, Stefan Hillmann

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Minimum number of participants: 4

Maximum number of participants: 10

Module: Study Project Quality & Usability (9 LP)

Weekly meetings will take place:

Day of the week: Wednesdays

Time from: 10

Time until: 12

Building: TEL (Ernst-Reuter-Platz 7)

Room (if known): tbd

Project language: Deutsch

Project description:

TU Walking is an ongoing project with the goal to provide a pedestrian in- and outdoor navigation for TU Berlin's campus in Charlottenburg. We use the already implemented routing server and map annotation tool of UR-Walking (<http://urwalking.ur.de/navi/>), but need more maps, particularly from indoor locations (i.e. Hauptgebäuden and TEL building), to enhance the system.

Your tasks in the project are:

- compare existing floor plans of selected buildings on the campus with the actual location
- definition of useful landmarks
- annotation of the maps with ways, places and landmarks
- implementation of indoor maps with an existing tool
- evaluation of the new maps and the navigation

LPs: 6 or 9, depending on the yielded effort

Project requirements (desired student skills):

None.