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Speaker Qualifications



Sven Leitinger holds a M.Sc. in Geography and has been working as a researcher at Salzburg Research since April 2004. His main interests are Geographic Information Systems in the field of emergency management, navigation systems for pedestrians and public transport, user requirements analysis, showcase performance and project management. Currently he works as project manager in the "TellMeTheWay" project. During his work he has given several speeches and presentations at conferences and symposia.

TellMeTheWay - A speech-based travel-companion for intermodal routes in public transport

The research project TellMeTheWay aims to demonstrate a new approach to transferring travel information on inter-modal routes with the help of a personalized, speech based travel-companion on smartphones. It focuses on (1) the personalized use of speech for navigation and transfer information on the user's smartphone, (2) the integration of speech-based real-time information, and (3) the supply of continuous location based travel information using cost-efficient means of location along the route outside as well as inside of public transport stations.

The speech-based navigation instructions will take into account existing collective information systems such as signposts, displays and loudspeaker announcements. A crucial aspect of the project is the personalized integration of real-time information concerning public transport services into the speech-based companion. To ensure the accuracy of relevant location based information, the existing possibilities for locating a receiver within transfer buildings will be studied in addition to location by GPS. This project focuses especially on cost-efficient means of positioning that can be reached by taking available radio-infrastructure into account, such as WLAN, Bluetooth or GSM cells.

The results will form the basis for a prototypical implementation of a speech-based navigation module. It will be designed to supplement an existing mobile travel guide system like Qando or AnachB. The prototype will be demonstrated as a showcase in a public transport station in the city of Vienna.

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