Title: The effect of repeated practice with augmented reality navigation and wayfinding displays

Description

Augmented reality map displays have the potential to better support users in navigation and wayfinding tasks compared to conventional maps in terms of user performance and workload. However, these novel displays may take the user some time to learn. This project is focused on how users perform with different displays for navigation and wayfinding tasks with repeated practice. As an undergraduate thesis student, you will be working closely with a PhD student to test how users perform with a novel augmented reality map display over multiple sessions using a virtual reality headset and virtual environment. As part of this work you will assist with data collection in a human subjects experiment, conduct a literature review, process and analyze data, and contribute to a scientific publication. Knowledge of statistical methods and experience with statistical software is required.