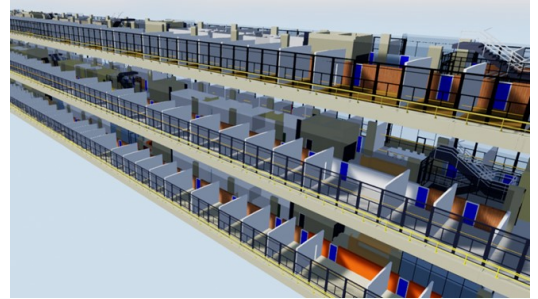


Title: Understand pedestrian wayfinding behaviour in complex buildings



Problem description

Wayfinding behaviour investigates the processes that take place when pedestrians orient themselves and navigate through space. Almost all studies into pedestrian route and exit behaviour have limited themselves to investigate pedestrian movement in the horizontal levels. As such, literature does not capture the increasing complexity and difficulty when pedestrians move in a multi-level building with both horizontal and vertical movements in a long distance. The object of this project is to conduct field experiments in the Civil engineering and geosciences Faculty to investigate pedestrian wayfinding behaviour both in horizontal and vertical level. Meanwhile, this graduation project will build on previous work of using VR to investigate pedestrian wayfinding behaviour. In that study, various aspects of pedestrian wayfinding behaviour data was collected.

Assignment

The objective of this project is to conduct field experiments at the Civil Engineering and Geosciences Faculty, collect pedestrian wayfinding behaviour data and analyse the collected data. It will likely involve:

- Literature study on pedestrian wayfinding behaviour in buildings
- Field experiment design
- Data collection through field experiments
- Data processing and data analysis on pedestrian wayfinding behaviour

Information:

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