## Finding Yourself in Virtual Reality Navigation Task (\*New - Fall 2018\*)

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Understanding your current position and immediate surroundings is a crucial task in navigation. Automatically displaying and updating the user's current position as they move through the environment is a relatively recent feature in the long history of map development. Further advances in display technology will directly present users with even greater information about their surroundings in real time, though may introduce new challenges about self positioning. This project will investigate the presentation of a user's current position and immediate surroundings in a novel display format. Experiments will be conducted in a virtual environment and presented using a virtual reality headset. The project will entail working with a PhD student and industry partner on the design and execution of an experiment with human participants to test different navigation display presentations, followed by statistical analysis of the collected data.