

# Experiment instructions

## Introduction

We will conduct an experiment with an augmented reality headset. The headset uses cameras to capture the environment around you, and can project virtual objects onto the surrounding environment.

In this experiment you will be situated at the side of a road, and you will remain standing in one spot. You are a pedestrian and your goal is to cross the road. **KEEP IN MIND:** You will **NOT** physically cross the road, but indicate this by pressing a remote button, so you will not move or walk.

## What to do

- Your main objective is to indicate whether you are willing to cross or not.
- You will do this by **pressing and holding** a button on a remote control when you feel safe to cross and releasing the button when you do not feel safe to cross.
- When the trial starts, you will see a circle in front of you, or to your left or right. You will now press the remote button briefly as a check.
- You will look into this circle for 1 second. The simulation will now start.
- A virtual vehicle will approach from the right.
- The vehicle will or will not stop for you to cross and will or will not indicate this via several communication interfaces.
- During the trial you will: **press and hold** the button on the remote control when you feel safe to cross and release the button when you do not feel safe to cross
- At the end of the trial, you will see a question appear in front of you. You will verbally answer the question to the researcher who will note your answer.
- You will encounter a total of 4 AR interfaces or no AR interface (baseline). After each block of 6 trials, I will ask additional open questions about the interface.

Your participation in the experiment is completely voluntary, and you are free to take off the headset at any time.

After the experiment you will complete the post-experiment questionnaire.