

## **Researchers**

- **Preparation:**

- Block the intersection
- Cover the steering wheel
- Place lidar
- Measure
- Put consent form, information sheet, part3...into booklet
- Apply chalk for position

- **DO:**

- Give consent form
- Voucher after signing
- Give the demographic questionnaire.

- **DO:** Go over the information sheet together with the participants

- **Read:**

- Now, we will provide you with detailed instructions for the first part of this study:
- You will experience four roles: pedestrian, cyclist, manual car driver and Automated Vehicle passenger.
- Before going into each role, we show you what your role will be, and will provide you with a map with the direction you are heading in; then, we read the scenario together.
- After this, we do 1 minute of acting out the scenario
- Try to act out being in the role. You will not need to move, but try to match how you would behave; for example, consider how you might look around and wear your seatbelt if you are in a car.
- The experimenters will inform you and give you your booklets once the minute has passed. Then, you will have 5 minutes to answer questions from your role.
- Please lower your booklet once you are done answering the questions.
- When everyone is done, we get back together for the next round of the study.

## **Researchers**

### **Procedure part 0 (acting\*4)**

**DO:** Give map

Present scenarios

**Read:** “This scenario is for every role. Please imagine it is eight o'clock in the morning. You are a bit late for work and want to arrive as soon as possible since you have a meeting that will start soon. However, you now arrive at this intersection, where you encounter other road users.”

“Next up, please walk to the locations of your traffic roles. And aim to truly immerse yourself in the scenario. In a bit, we will take back the maps and will ask you to act out the scenario for one minute. we will hand back the booklets after the minute has passed. Are there any questions?”

**DO:** Take back maps

**Read:** “Please act out the scenario for one minute until we give the booklet to you.”

**DO:** Start timer

Get booklet

Give the booklet and pen when time's up

Ask participants to answer questions and lower the booklets when they're done

### **Procedure part 1 (ideation)**

**DO:** Give pens and 2 sets of markers

**Read:** “For the following exercise, you will have 10 minutes.

Considering all four perspectives you have experienced, please sketch/write out multiple ideas below about how the automated vehicle could help in the situation you have experienced. Feel free to walk around between the locations of the roles, but do not discuss yet with other participants.”

**DO:** Start timer

Remind participants after 5 min

### **Procedure part 2**

**Read:** “Please answer the questions on the next page”

### **Procedure part 3**

**Read:** “Please pitch your best idea to the other participants (1 minute).

Then, give feedback on each other's ideas and discuss them together (4 minutes).

Note that there will be audio recordings during the discussion. Please think out loud and be vocal for the purpose of the transcription.”

**DO: START RECORDING**

Start timer for both procedures

### **Procedure part 4 (other remarks)**

**Read:** “On the last page, please write any remarks about the study you wish to share.”