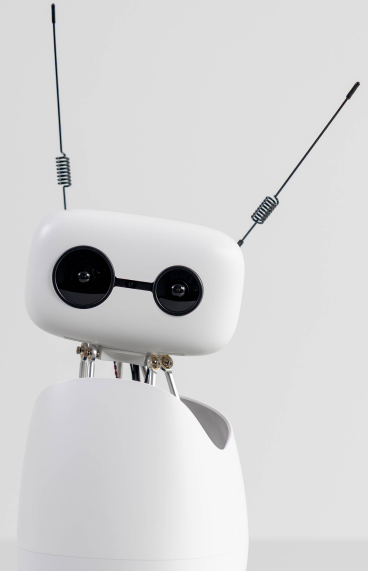


Are robots easier to understand when they use **visible speech**?



Problem Statement

This thesis investigates whether humans understand non-humanoid robots under noisy conditions better when they use visible speech. To this end, speech-synchronised visemes will be developed and investigated in a user study.

Tasks

- 01 Literature Review**
Systematic review of visual speech and speech comprehension under noisy conditions.
- 02 Develop Visemes**
Conceptualise and develop speech-synchronised visemes (visible speech movements) for a non-humanoid robot.
- 03 User Study**
Conceptualise, plan, and conduct a user study to noise-in-speech and visible speech in HRI.

Requirements

Experience with programming.
Interest in HRI and/or psychology.
Highly self-motivated and independent.

Curious? Let's discuss in person.

Send a short email with your degree program and interest in the topic.

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