

Thank you for participating!

Introduction

We (Troels Klausen and Ulrich Farhadi) study at University of Southern Denmark (SDU) as BSc in Engineering (Robot Systems).

We are currently working on our bachelor project in Soft Robotics. A soft robot is a robot made of silicone, which makes its body flexible and highly compliant. Our project focuses on nonverbal communication between soft robots and humans. Based on this we have developed a soft robot which will be presented to you.

Throughout the questionnaire we would like you to focus on the robot and how it moves. You will be asked to rate how you perceive the robot when watching it move.

This questionnaire will take approximately 5 - 10 min. We thank you for your time.

Consent and use of data:

By answering this questionnaire, you give the consent that your data (Answers in the questionnaire, age and biological gender) will be collected and stored. The data will be analyzed and used for the bachelor project thesis. The analyzed/processed data can be used for publication.

This questionnaire is voluntary and anonymous.

Contact information:

If you have any questions or need to contact us, this is possible at our mail:

trkla17@student.sdu.dk

ulfar18@student.sdu.dk

Please fill in your personal data below:

Gender: Male
 Female
 Non-binary
 Do not want to disclose

Please fill in your personal data below:

Age group: 18-23
 24-30
 31-40
 41-50
 51-60
 61<

Do you work/have worked with robots or study robotics?

Yes No

Introduction to the robot

In the following video clip you will see the robot and how it moves.

Please watch the full video before moving on.

We added a danish 5 krone beside the robot to show the size of the robot.

Video link: [Introduction video](#)

Question regarding video 1: Pleasure

Please watch the video of the robot in this link: [Video 1](#)

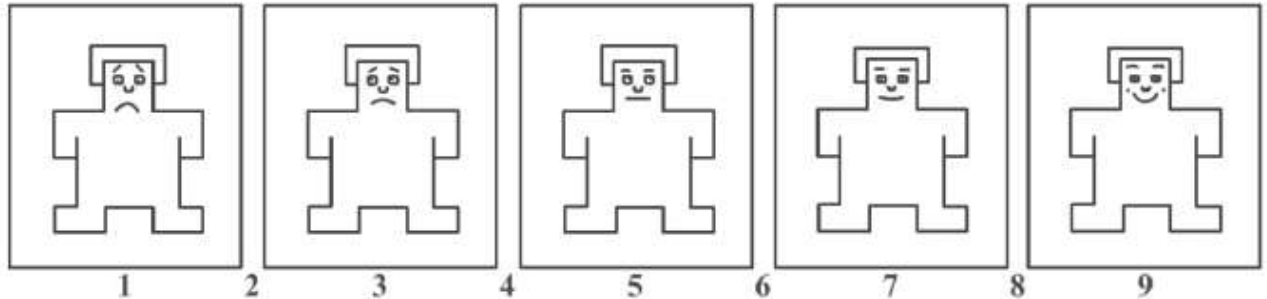
Please rate on this picture scale how you perceived the robot's level of pleasure (feeling happy, satisfied, enjoyment, etc.).

You can choose in the middle of two pictures, if you feel it is somewhat in between.

Unpleasure is depicted to the left with a frowning figure.

Neutral is in the middle.

Pleasure is depicted to the right with a smiling figure.



Question regarding video 1: Arousal

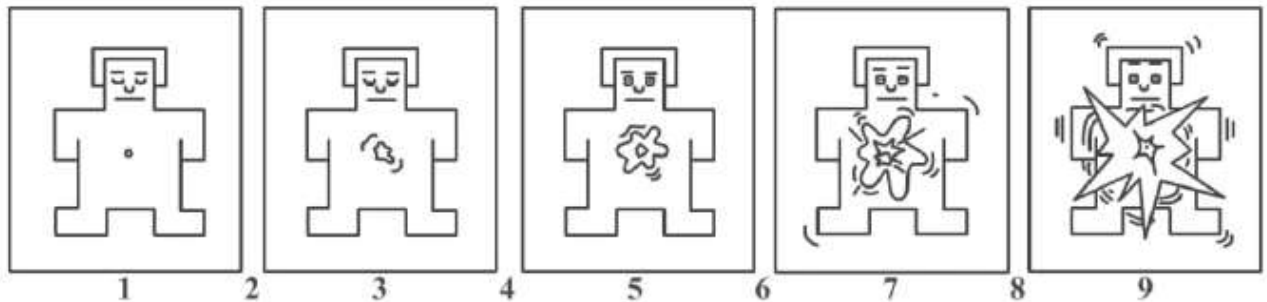
If you need to see the video again here is the link: [Video 1](#)

Please rate on this picture scale how you perceived the robot's level of arousal (arousal is a state of excitement, being awake or being alert).

You can choose in the middle of two pictures, if you feel it is somewhat in between.

Low arousal is depicted to the left with an eyes closed figure.

High arousal is depicted to the right with an eyes wide open figure.



Question regarding video 1: Dominance

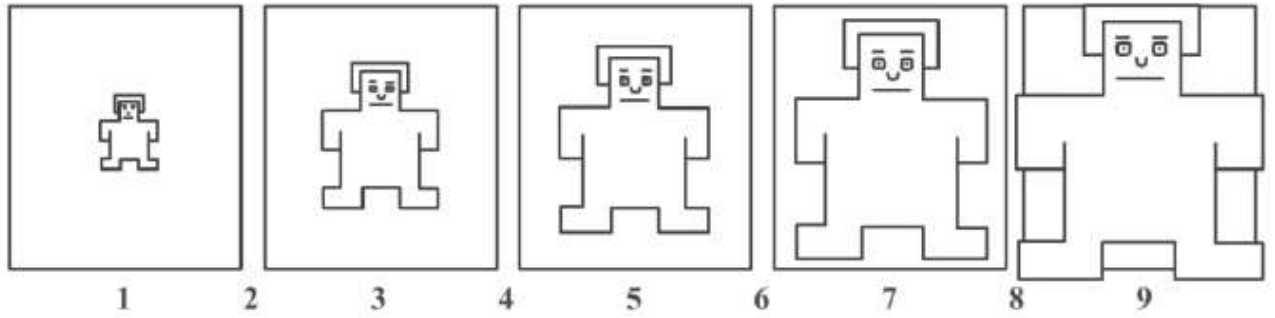
If you need to see the video again here is the link: [Video 1](#)

Please rate on this picture scale how you perceived the robot's level of dominance.

You can choose in the middle of two pictures, if you feel it is somewhat in between.

Dominated is depicted to the left with a small figure.

Dominating is depicted to the right with a huge figure.



Question regarding video 2: Pleasure

Please watch the video of the robot in this link: [Video 2](#)

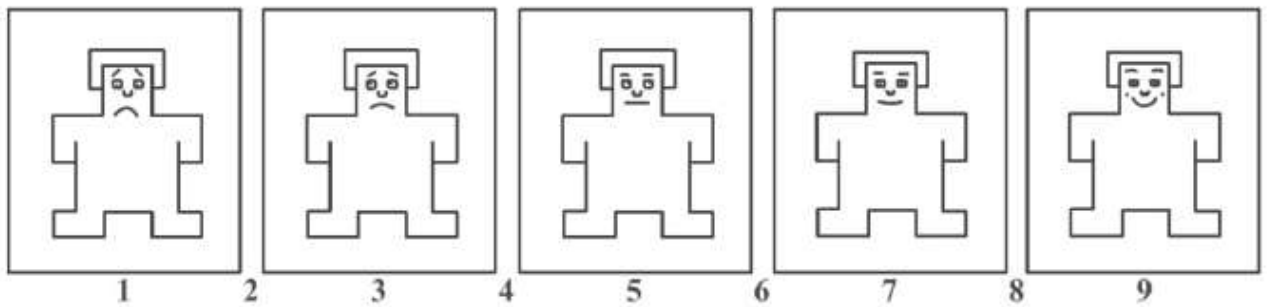
Please rate on this picture scale how you perceived the robot's level of pleasure (feeling happy, satisfied, enjoyment, etc.).

You can choose in the middle of two pictures, if you feel it is somewhat in between.

Unpleasure is depicted to the left with a frowning figure.

Neutral is in the middle.

Pleasure is depicted to the right with a smiling figure.



Question regarding video 2: Arousal

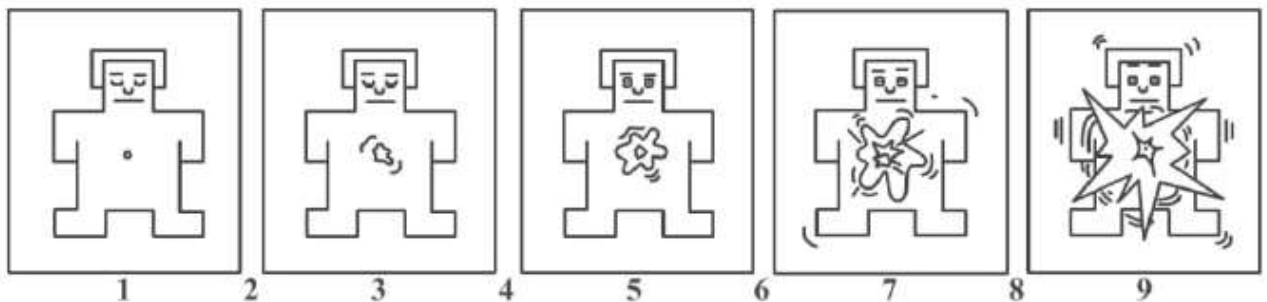
If you need to see the video again here is the link: [Video 2](#)

Please rate on this picture scale how you perceived the robot's level of arousal (arousal is a state of excitement, being awake or being alert).

You can choose in the middle of two pictures, if you feel it is somewhat in between.

Low arousal is depicted to the left with an eyes closed figure.

High arousal is depicted to the right with an eyes wide open figure.



Question regarding video 2: Dominance

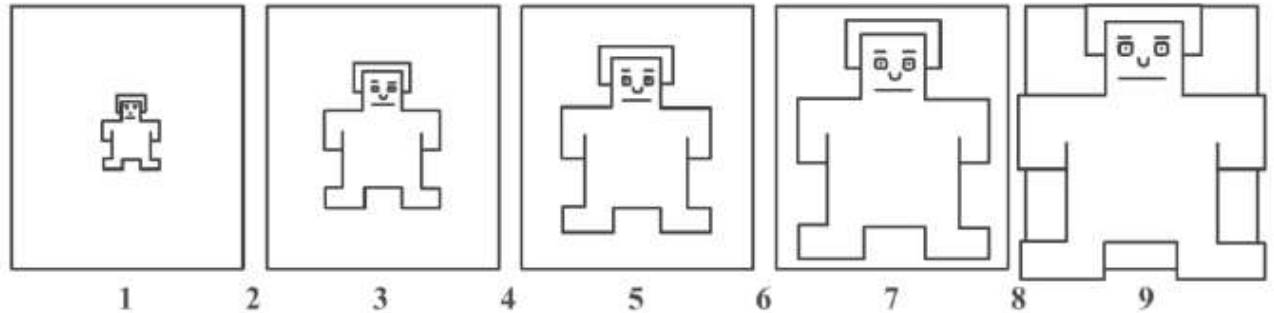
If you need to see the video again here is the link: [Video 2](#)

Please rate on this picture scale how you perceived the robot's level of dominance.

You can choose in the middle of two pictures, if you feel it is somewhat in between.

Dominated is depicted to the left with a small figure.

Dominating is depicted to the right with a huge figure.



Question regarding video 3: Pleasure

Please watch the video of the robot in this link: [Video 3](#)

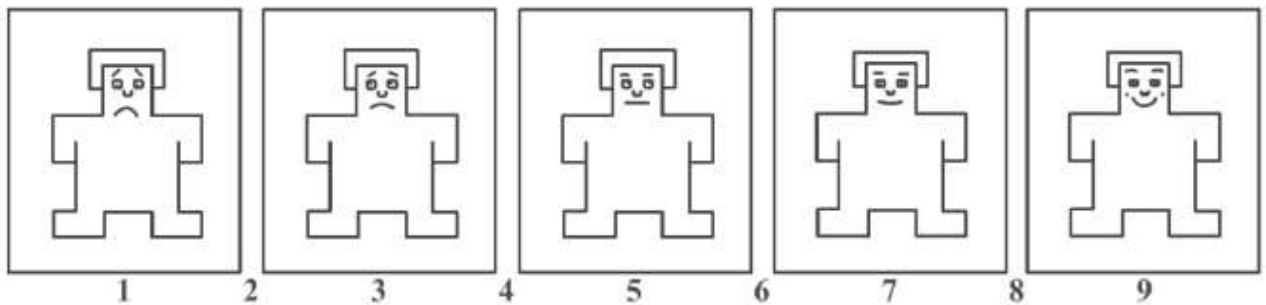
Please rate on this picture scale how you perceived the robot's level of pleasure (feeling happy, satisfied, enjoyment, etc.).

You can choose in the middle of two pictures, if you feel it is somewhat in between.

Unpleasure is depicted to the left with a frowning figure.

Neutral is in the middle.

Pleasure is depicted to the right with a smiling figure.



Question regarding video 3: Arousal

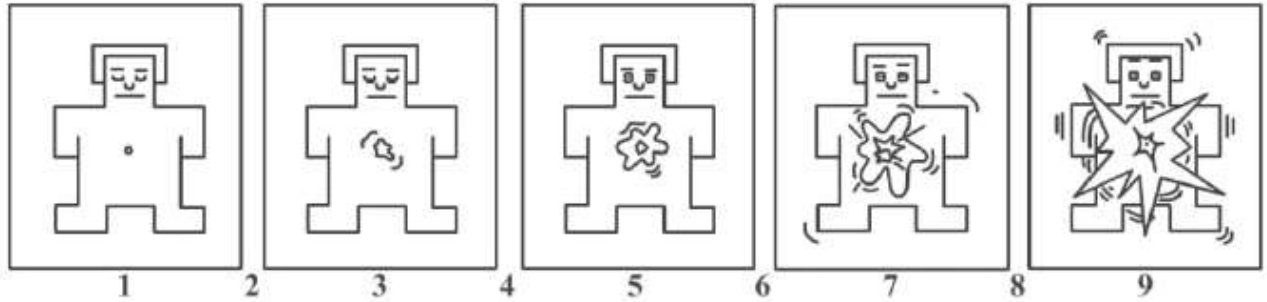
If you need to see the video again here is the link: [Video 3](#)

Please rate on this picture scale how you perceived the robot's level of arousal (arousal is a state of excitement, being awake or being alert).

You can choose in the middle of two pictures, if you feel it is somewhat in between.

Low arousal is depicted to the left with an eyes closed figure.

High arousal is depicted to the right with an eyes wide open figure.



Question regarding video 3: Dominance

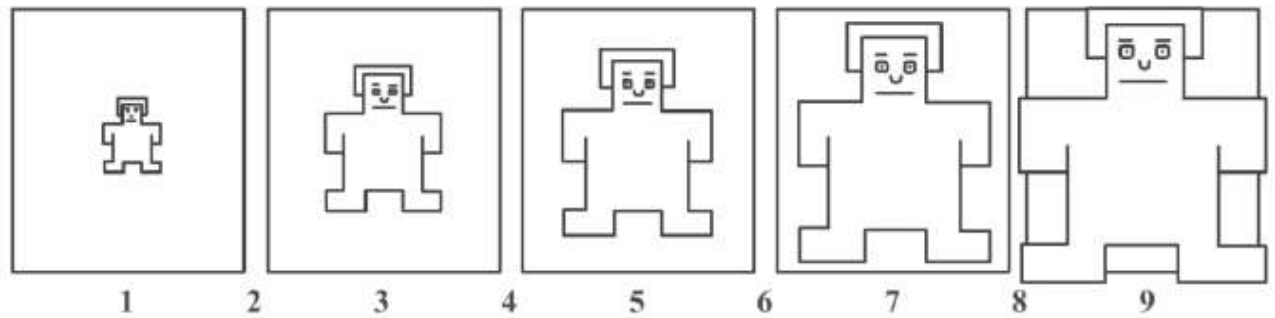
If you need to see the video again here is the link: [Video 3](#)

Please rate on this picture scale how you perceived the robot's level of dominance.

You can choose in the middle of two pictures, if you feel it is somewhat in between.

Dominated is depicted to the left with a small figure.

Dominating is depicted to the right with a huge figure.



Question regarding video 4: Pleasure

Please watch the video of the robot in this link: [Video 4](#)

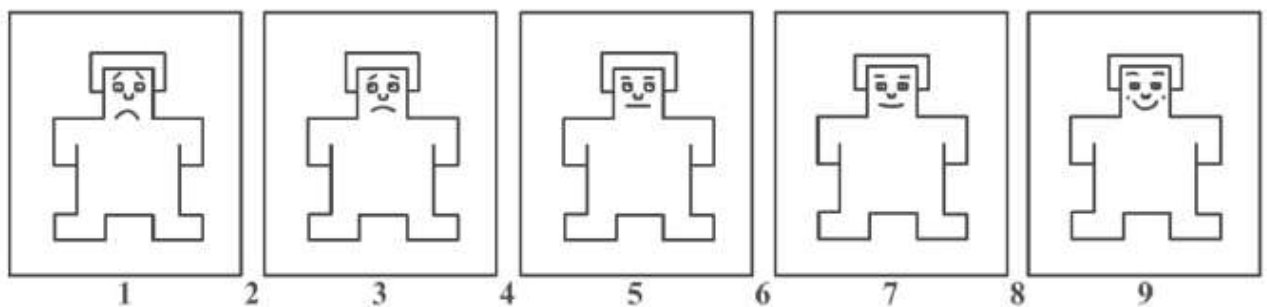
Please rate on this picture scale how you perceived the robot's level of pleasure (feeling happy, satisfied, enjoyment, etc.).

You can choose in the middle of two pictures, if you feel it is somewhat in between.

Unpleasure is depicted to the left with a frowning figure.

Neutral is in the middle.

Pleasure is depicted to the right with a smiling figure.



Question regarding video 4: Arousal

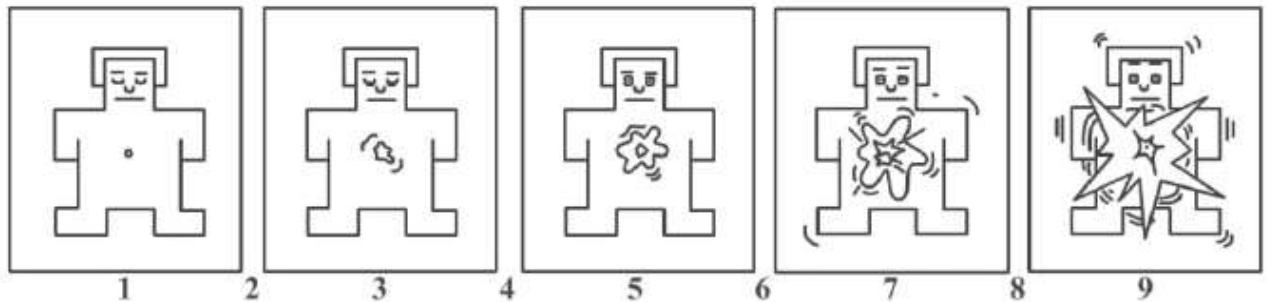
If you need to see the video again here is the link: [Video 4](#)

Please rate on this picture scale how you perceived the robot's level of arousal (arousal is a state of excitement, being awake or being alert).

You can choose in the middle of two pictures, if you feel it is somewhat in between.

Low arousal is depicted to the left with an eyes closed figure.

High arousal is depicted to the right with an eyes wide open figure.



Question regarding video 4: Dominance

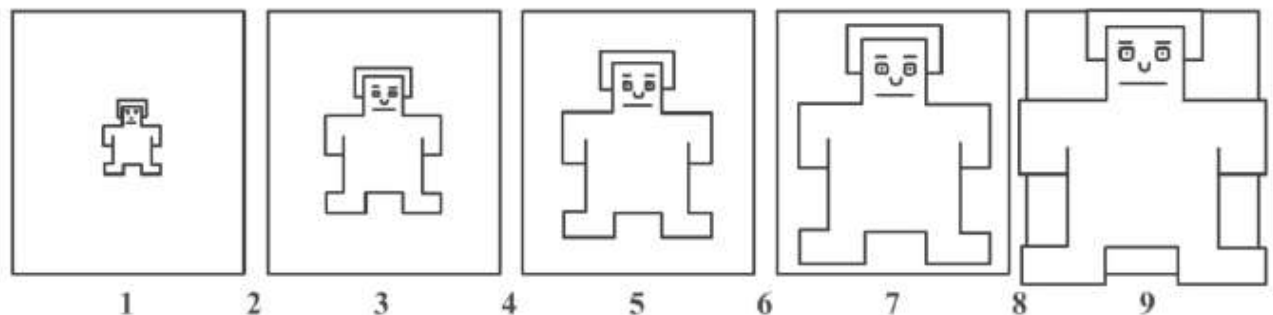
If you need to see the video again here is the link: [Video 4](#)

Please rate on this picture scale how you perceived the robot's level of dominance.

You can choose in the middle of two pictures, if you feel it is somewhat in between.

Dominated is depicted to the left with a small figure.

Dominating is depicted to the right with a huge figure.



Thank you for your time and participation! :)