

HW 6 - Social Human-Robot Interaction

The goal of this assignment is to create a social interaction application using Choregraphe and Pepper. For details see the assignment PDF.

Assignment	
Code template	None provided
Maximum score	10
Soft deadline	18.5.2021 23:59:59
Hard deadline	21.5.2021 23:59:59

Evaluation

You are expected to submit a Choregraphe project that contains the robot interaction during dialogue and a report containing your evaluation of the human-like aspects of the interaction.

Choregraphe project [6 pts]

1. **Working:** Submit working Choregraphe code. [1 pt]
2. **Major movements:** The code/timeline uses major movements to perform the robot gestures. [1 pts]
3. **Minor movements:** The code/timeline uses minor movements to add human-likeness to the movements. [2 pts]
4. **Dialogue:** The project contains a dialogue combined with the gestures. [2 pts]
5. **Physical constraints:** The animations should be relevant for a real robot movement (pepper in our case). It should be smooth and slowly enough, so that it does not break the real robot. [1 pt]

Report [3 pts]

1. **Clarity:** Submitted well-written and clear PDF for the discussion (backed-up by up to date scientific literature). [1 pt]
2. **Identification:** The report clearly identifies and discusses the preprogrammed movements. [1 pt]

pts]

3. **Reasoning:** The report properly defends the design decisions for the submitted Choregraphe project. [1 pts]

Submission

Please, submit your solution to [BRUTE \[https://cw.felk.cvut.cz/brute/\]](https://cw.felk.cvut.cz/brute/).

Upload a ZIP with your Choregraphe project. There is no Smoke test for Choregraphe projects, so the application will be evaluated manually.

You can add to the submission a screen-captured video of your working solution (visible Chorepgrahe and robot in it). However, the project still needs to be delivered.

Solutions uploaded after the **soft** deadline will gain only **half** of the points. Solutions uploaded after the **hard** deadline will gain **no** points.

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