

Week 5 Demo 2

MKI59: Robotlab practical
November 28, 2018

In this demo you will re-enact two Terminator 2 movie scenes.
You don't NEED to implement it in the interface, but if you can, then implement it such that the procedure starts with the click of a button.

The demo requires:

- 1 Nao robot with a functioning camera and microphone
- 1 laptop that runs the code
- 1 human actor
- 1 Nao director with a functioning camera and microphone (if this is not possible, just use 1 human. You get 1 bonus point if you can use a Nao director.)
- 1 A4 paper to indicate the starting position
- tape for the A4 paper
- watch the linked scene from the movie

You will re-enact a small part of the [come with me if you want to live / hasta la vista baby](#) scene.

start The Nao is placed, standing in the middle of the room. About 1 meter next to the Nao, facing the Nao, one actor is sitting on the floor. The director Nao is placed sitting nearby. The director Nao yells ACTION!.

come with me

1. Nao eye LEDs turn red.
2. Terminator vision turns on, specifications like last time, so with bounding boxes around the face, etc.
3. Nao walks toward the human actor sitting on the floor. Nao stops close to the actor. Make sure the Nao doesn't bump into the actor.
4. When a face is located, the Text on the terminator vision should be HELP.
5. Nao goes into a crouching position, facing the human, see Figure 1.
6. At the same time the Nao says COME WITH ME IF YOU WANT TO LIVE. See the python files in the Gitlab repo for examples of running parallel processes on the Nao.
7. The Nao goes back into standing position and walks 2 meters in a random direction.
8. The Nao turns around and looks at the actor.

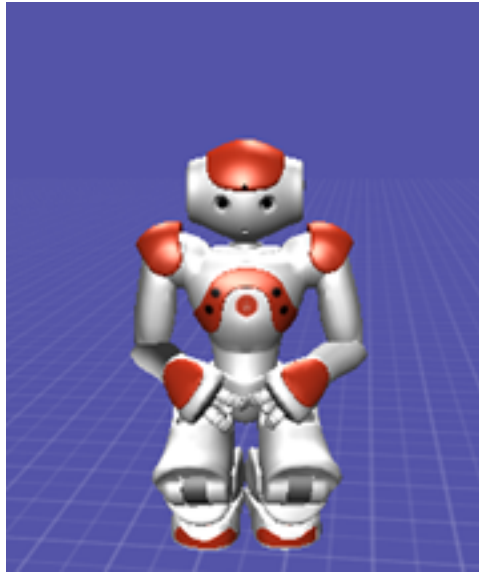


Figure 1: Crouching Nao, hidden talents.

9. The Nao does a 'come here' gesture with its arm, while saying COME HERE SARAH CONNOR, NAO!.
10. The actor stands up and walks towards the Nao.

hasta la vista baby

1. While the actor is walking towards the Nao, the Nao sits down.
2. The Nao eye LEDs turn green.
3. The terminator vision gets a green overlay.
4. The actor sits down facing the Nao.
5. The actor touches the Nao's head sensor, the Nao says AFFIRMATIVE, enters parrot mode.
6. Actor says NO PROBLEMO, Nao repeats.
7. Actor says BITE ME, Nao repeats.
8. Actor says HASTA LA VISTA BABY, Nao repeats.
9. Actor touches Nao's head, Nao exits parrot mode and says TALK TO THE HAND.
10. When the director Nao hears this, it says CUT!.
11. The Nao stands up and walks to the middle of the room.