

- **Submission.**

Each student must work independently. Please upload a file called *Assignment1\_Surname\_ID.zip* (where *Surname* is the surname of the student that submits the file and *ID* is the enrollment number) on moodle.

This file should contain:

- *Assignment2\_Surname.pdf*, a *pdf* file containing the solution to all the exercises (see below for further informations)
- The Matlab code in a subfolder called *Code*. Students can create any function that they consider necessary to solve the problems.

The submission deadline is on the 28th August, 2017 at 11:59pm.

In case of questions, please contact

- matteo.saveriano@tum.de (Exercises 1 and 2)
- affan.pervez@tum.de (Exercise 3)

**Assignment2\_Surname.pdf.**

- Students need to provide a *pdf* file containing the solution to all the exercises. Students must clearly indicate in this file to which exercises and to which question the solutions refer to.
- For *Exercise1* include the learned GMM parameters (priors, means, and covariance matrices).
- For *Exercise2* include classification results, i.e. which sequences are classified as *gesture1* and which sequences are classified as *gesture2*.
- For *Exercise3* attach the outputs of *WalkQLearning(s)* and *WalkPolicyIteration(s)* for the asked initial states.
- For *Exercise3* include the answer of questions regarding Policy Iteration and Q-learning.

**Subfolder Code.**

- For *Exercise1* provide the matlab code for the E-M algorithm.
- For *Exercise2* provide the matlab code used for classification.
- For *Exercise3* provide the matlab functions *WalkPolicyIteration*, *SimulateRobot* and *WalkQLearning*.