Discussion Session w. 40

- Topics for discussion session w. 40:
  Gaussian processes and Gaussian process regression

Literature:

- Chapter 15 on Gaussian processes in (Murphy, 2012).
- Deisenroth, M. P., Fox, D., & Rasmussen, C. E.: "Gaussian Processes for Data-Efficient Learning in Robotics and Control", *IEEE Transactions on Pattern Analysis and Machine Intelligence*, Vol. 36, No.5, 2014.

Simulation tasks:

- Download the GPML toolbox for MATLAB from
  `http://www.gaussianprocess.org/gpml/code/matlab/`,
  then study and execute the two examples provided on that
  page for Gaussian process regression and classification.
- Employ Gaussian process regression on the data set with
  measurements of robot calibration errors provided by Fredrik
  (available on the course homepage).