Computer Labs

- There are 3 computer labs in this course
  - Lab 1: Discretization and sampling (Sep 17)
  - Lab 2: Disturbances and Kalman Filtering (Sep 28)
  - Lab 3: Linear Quadratic (LQ) Control (Oct 2)
- These labs are not compulsory, but recommended
- The exercises must be, at least tried, at home!
- Two computer rooms and a regular classroom will be booked
Demo Lab

- It will be at October 5-6
- You will see how a Model Predictive Control (MPC) scheme works in a two water tank system
- It will consist of two parts:
  - An interactive computer exercise (2 hours)
  - A live demo (1 hour)
- It is compulsory to assist to both the computer exercise and the demo
- There will be three groups and you will be assigned to each one based on your program
Process Lab

- The process lab will consist of controlling a Segway LEGO Robot
- It will be based on Computer Lab 3
- You will be given 4 hours to complete the tasks
- It is compulsory and will be scheduled at the end of the course (Oct 8-13)
- Seven groups will be available, with six allocated to different programs and a seventh free-for-all
See you at the labs!