Feedback Systems:
An Open Design Project

Introduction:

In the Design Project project you will first decide on a feedback control project that of interest to you. This design will be:

- A full system, including a physical system and the sensors/actuators to make it work.
- You will simulate your design in MatLab/Octave including:
    - All subsystems and the equalizer designed to make the system stable with good performance.
    - The simulation should introduce an adjustable amounts of Gaussian white noise as a disturbance.

Deliverables (Team uploads to Blackboard):

1. **Project Definition**: Identify your team (2 members) and define your system choices.
2. **Full Project Report**: including plots of your simulation results as well as documenting your design objectives and chosen solutions.
3. **Simulation Files**: Such that your simulation can be run by others.
4. **PowerPoint-based presentation**: covering your system and results. Both team members should take part in the presentation.

The presentations will take place in-class during the last weeks of class and during Finals week.