Present a Real-World Control System

Information about In-Class Presentation

Objective

The objective of the presentation is to introduce a real-world control system to the class. Feedback control is used in a huge variety of technical systems from a wide range of application areas (including energy systems, transportation systems, robotics, computing devices, building systems etc). You can choose any example that interests you!

Presentation Guidelines

- You have *three minutes* for your presentation.
- A template for the presentation is provided on Blackboard (`http://portal.utoronto.ca/`). Please follow this template.
- Your example must be approved by Prof. Schoellig in order to avoid repetition of the same examples.

Available Time Slots

- Presentations are scheduled for the beginning of the second hour of class on Tuesdays and Thursdays.
- Available dates are: March 24, 26, 31, and April 2, 7, and 9. Please provide the availability of your team here: `http://doodle.com/ya4xd92rg9esikrq`.

Grading

- Each lab team presents one example.
- The presentation is marked based on content, clarity, and delivery.
- The presentation counts 4% towards your final mark. All team members will receive the same grade. All members of the team must be present during the presentation.

Step-by-Step Procedure

Step 1: Provide the availability of your team here: `http://doodle.com/ya4xd92rg9esikrq`.

Step 2: Do some research and find interesting controls examples. Decide on the controls example you want to present.

Step 3: Get approval for your example from Prof. Schoellig. Email her at schoellig@utias.utoronto.ca, use '[AER372 Controls Example]' in the subject line. If you get approval, go to Step 4; otherwise, go back to Step 3 and find a new example.

Step 4: Send the presentation as .pdf or .pptx file to Prof. Schoellig *by 16:00h on the day before your presentation.*

Step 5: Present your example in class! Make sure all team members are present during the presentation.