Signals, Instruments & Systems
Course Project Schedule

General

The final report is due on Friday, 2 June at 23:59. It should be sent to your supervisor by email. The final report with all figures and references must not exceed 6 pages. Note that this is a hard limit, and larger reports will be penalized. Presentations will take place on Tuesday, 6 June from 8h30 to 11h45 and from 14h30 to 16h15 (look for your slot in the presentation schedule sheet). Your presentation should last 15 minutes if you are a team of three students and 10 minutes if you are a team of two students (we will be strict on the timing), and will be followed by a 10 minutes Q&A session.

Reports

Please use one of the following templates:
http://ras.papercept.net/conferences/support/tex.php (ieeeconf.zip, for Latex)
http://ras.papercept.net/conferences/support/word.php (ieeeconf_A4.dot, for MS Word)
and hand in the report in PDF format. These are the templates for IEEE publications.

Your final report should be in 2-column format and include the following sections:

- **Abstract**: short, but concise description of your project and results
- **Introduction**: brief description of your project and why it is interesting and how it is connected with the state of the art of your project’s topic
- **Methods**: what methods are used and what choices are made and why (for controller design, data processing, etc.). What are the sources of noise, limitations and constraints in your work and how do you deal with them? What is your strategy for making your approach robust to changes in the environment and noise? You should describe your algorithms with appropriate abstractions (e.g., flowchart, pseudocode) and avoid using code in your report. Make use of appropriate visual aids (e.g., drawing) to explain your ideas in a precise and concise way.
- **Experiments**: How did you test your system (your setup, test scenarios, etc.)
- **Results**: what you discovered through repeated experiments with statistically significant meaning. You should include tables or plots here. Make sure that the tables, plots, etc., are readable e.g., not too cluttered, and contain all the relevant information such as the correct labels, units, etc.
- **Conclusion**: summary and implications of your findings
- **References**: relevant past work and sources that you used

Report review

Each team of students will also be asked to serve as a reviewer for another student project and invited to ask questions during the defense session (we are expecting at least one question for each reviewer). You will receive the project report to review by Saturday, June 3.
Presentations

The slides in PPT(X) or PDF format should be uploaded to Moodle the day before the presentation. We will bring a laptop with the slides of all groups to the presentations. If you want to show movies (e.g., of your simulations), bring a USB key with you on the presentation day but please verify ahead of time that the movie format you are using is playable on the laptop we will make available for the defense day (send inquiries directly to zeynab.talebpour@epfl.ch). You can also bring your own laptop for the presentation, but the slides should still be uploaded to Moodle the day before.

Note that you can reuse the figures, plots, etc., that you include in your report in your presentation slides. Therefore, investing time for preparing a high quality report that follows the given guidelines (e.g., use of flowchart/pseudocode instead of code, proper axis labels, etc.), will be highly beneficial for your presentation as well. Keep in mind, while the same guidelines are valid for your slides, necessary changes should be made to make sure all the content is displayed appropriately e.g., choosing the right font size, enlarging labels, including the meaning of symbols used in the figures, etc.

We highly encourage all group members to be fully involved in all parts of the project and have equal contribution in the presentation, answering the questions of the reviewers and the audience, and posing questions as reviewers. Additionally, live demos of your work are always welcome.

Grading

The final grade for your course project will be based on the following criteria:

<table>
<thead>
<tr>
<th>Initiative, commitment, autonomy, rigorousness, team work</th>
<th>25 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actual work performed and achievement of goals</td>
<td>25 %</td>
</tr>
<tr>
<td>Final report</td>
<td>25 %</td>
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<tr>
<td>Final presentation</td>
<td>25 %</td>
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