
AWESCO Winter School on Numerical Optimal Control with DAE - University of Freiburg

Projects, Project Presentations, and Final Evaluation

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1. For each project, at least two files need to be uploaded, before Friday, February 26, 2016, 8:45 am, into the [Google Drive](#) folder having the Group ID as name. At 8:30 am there will be upload support in the room 1015.
 - one presentation file in PDF, PPT, or Keynote format. Presentation length is 7 minutes.
 - at least one file called `main.m` or `main.py` that runs together with the other files in the folder and reproduces the presented optimization result (incl. plots)
2. All participants should be present in room 1015 at 8:55 latest.
3. Each presentation takes 7 minutes but has a slot of 10 minutes: it starts sharply at the start of the assigned slot, ends 7 minutes later, is followed by 2 minutes questions. One minute is reserved for transition. The team in the following slot stands already in front during the previous presentation, latest 5 minutes before their slot starts. The presentation schedule is available in the project [Google Sheet](#).
4. The project grades will be based on three equally weighted criteria:
 - **Problem Formulation and Presentation:** Is the optimization problem formulated correctly, clearly stating the optimization variables, their dimensions, as well as the equality and inequality constraints and their dimensions? Are the slides well organized and technically correct, using a clean mathematical notation? Is the optimization result explained or even visualized well?
 - **Achieved Results:** Was the formulated problem really solved? How difficult or original was the approach? Does the uploaded MATLAB/PYTHON/CasADi Code run error free?
 - **Understanding:** do all group members know what happens in the code and what problem class the problem belongs to? Can they justify the algorithmic choices made? Did they recognize convexity, did they treat non-smoothness correctly, ...
5. The final evaluation that is valid 3 ECTS points will be equally based on the exam (50 %) and project (50 %). A participant will have passed the course if both exam and project are passed.