Embedded System Design and Modeling

Introduction

Organization

- 3 credits (?)
- Professors
    - Lectures: Nicolae Cleju
    - Applications: Nicolae Cleju
- Time schedule
    - 14h lectures, 14h labs, 14h project
    - 5 lectures × 3h, 5 labs × 3h, 4 weeks × 3h project
- My office hours: *To Be Announced* (best by appointment)

Evaluation

- ▶ Exam
  - ▶ 40% of final grade
  - ▶ Consists of both theory questions and exercises (e.g. 1 problem + a few theory questions)
- ▶ Laboratory
  - ▶ 20% of final grade
- ▶ Project
  - ▶ 40% of final grade
- ▶ Final grade = 40% Exam + 20% Lab + 40% Project

Bibliography

1. **Main reference**: "Introduction to Embedded Systems - A cyber-physical systems approach", E.A.Lee and S.A. Seshia, MIT Press, 2nd Edition, 2017.
   - ▶ Available online at
     https://ptolemy.berkeley.edu/books/leeseshia/download.html
2. "Embedded System Design", Peter Marwedel, Springer, 2nd Edition, 2011.
3. "Managing Model-Based Design", Roger Aarenstrup, The MathWorks, 2015.