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# Real-Time System

## General Lab Information

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# Lab Assistants

Jakaria Abdullah



- PhD Student, Embedded Systems
- [Jakaria.abdullah@it.uu.se](mailto:Jakaria.abdullah@it.uu.se)
- Room 1236

Gaoyang Dai



- PhD Student, Embedded Systems
- [Gaoyang.dai@it.uu.se](mailto:Gaoyang.dai@it.uu.se)
- Room 1218



# Labs Overview

The course offers four labs:

- Real-Time Programming using **Ada** (5hp, 10hp)  
Lab room 1515: UNIX environment
- Programming **LEGO Mindstorms NXT** robots (10hp)  
Lab room 1312 and 1313: Windows environment
- Response Time Analysis using **FpsCalc** (5hp, 10hp)  
Lab room 1515: UNIX environment
- Modeling and Verification using **Uppaal** (10hp)  
Lab room 1515: UNIX environment



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# Lab Groups

- No individual lab submission
- 10hp groups vs 5hp groups (Don't mix)
- 5hp groups: maximum 3 students
- 10hp groups: 3 or 4 students
- Find your own group mates
- Group registration via studentportalen,  
deadline **16.09.18**



# Lab Instructions

- Each lab has a webpage with all necessary information and slides
- Lab pages will appear as subpages of the course home page
- Read the webpage before coming to lab sessions
- Five lab sessions:

Lab 1: Thu, 13.09.18, 10:15-12:00

Lab 2: slot 1 Thu, 20.09.18, 13:15-15:00

slot 2 Wed, 26.09.18, 10:15-12:00

Lab 3: Thu, 04.10., 08:15-10:00

Lab 4: Fri, 12.10., 10:15-12:00



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# Lab Submission

- Each lab has a submission page in studentportalen
- A group has to upload one joint lab report before the deadline
- Firm lab report submission deadline via studentportalen, no submissions possible after it
- Special cases, contact the TA for extension



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# Lab Report

- Answer the questions asked in the lab instruction
- Be specific and concise
- Include complete code with proper comments and indentation
- Check spelling and grammar
- Discussions with other groups are ok
- Use proper references where needed
- Don't cheat!



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# Lab Grading

- Grades: "Completed", "Incomplete" or "Unsatisfactory achievement"
- "Incomplete" labs can be supplemented
- Supplementation means solving extra problems to pass
- Your goal: Eventually get "Completed" for all labs
- After end of period 4, no lab grading possible