

Computer Systems and Architecture

Introduction

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- ▶ Two parts:
 - ▶ Computer Systems
 - ▶ Computer Architecture
- ▶ Tuesday, 13:45 - 18:00
- ▶ Continuous assessment (more than 50%)
- ▶ Assistant: Ruben Van den Bossche
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- ▶ Weekly exercises on:
 - ▶ UNIX
 - ▶ Data representation
 - ▶ MIPS
- ▶ Individual
- ▶ Weekly submission of solutions via Blackboard
 - ▶ tgz archive with `oefeningen.html` and scripts, screenshots, MIPS-files etc.
 - ▶ Strict deadline!
- ▶ MARS
 - ▶ MIPS Simulator
 - ▶ <http://courses.missouristate.edu/KenVollmar/MARS/>

Computer Architecture

- ▶ Weekly projects on the construction of a processor architecture, beginning at the level of logic gates and ending with a complete datapath
- ▶ Pairs of 2 students
- ▶ Report via Blackboard
- ▶ Evaluation during the semester
 - ▶ Three times (week 7, 10 and 13)
 - ▶ Demo
 - ▶ Feedback
- ▶ Logisim
 - ▶ Educational tool for designing and simulating digital logic circuits
 - ▶ <http://ozark.hendrix.edu/~burch/logisim/>

Groups

- ▶ Find someone you want to work with
- ▶ Subscribe to a group on Blackboard
- ▶ Before the next Lab session!

More information

- ▶ Blackboard
- ▶ <http://msdl.cs.mcgill.ca/people/hv/teaching/ComputerSystemsArchitecture/>