

Computer Systems and Architecture

Introduction

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Academic Year 2019-2020

CSA – Practical information

- Two Parts:
 - Computer Systems
 - Computer Architecture
- Friday, 8:30 – 12:45
- Continuous assessment (more than 50%)
- Assistants:
 - Brent van Bladel
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 - Stephen Pauwels
 - (M.G.322, stephen.pauwels@uantwerpen.be)

Computer Systems

- 3 Projects:
 - UNIX
 - Data representation
 - MIPS
- Individual
- 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
 - Demo
 - Feedback
- Logisim
 - Educational tool for designing and simulating digital logic circuits
 - <http://www.cburch.com/logisim/index.html>



Groups

- Find someone you want to work with
- Subscribe to a group on Blackboard
- Before the Sunday before the first computer architecture Lab session!



Fraud

- Academic honesty: Work submitted for grading **MUST** ultimately be your own work, reflecting your learning and performance
- Where work (ideas, statements, data, illustrations or examples) from other sources is used in coursework, it must be properly acknowledged and referenced
- Cheating is a serious academic offence. We do not tolerate cheating, or assisting others to cheat
- Sanctions in case of fraud (See: *Examenreglement*)
 - 0 for the course
 - 0 for all courses in this semester
 - 0 for all courses in this year

PC Class

- Ubuntu
- User: Student (default), Password: Burst9420
- Access your personal folder:
 - On Studento server (you can access your personal folder from anywhere using a VPN connection)
 - In console: `ssh USER@studento.uantwerpen.be -p 22022` (where USER is your blackboard account, e.g. s0190123), same password as blackboard
- Respect the facilities! After you have used a labo pc:
 - Do a clean shut down
 - Power-off the screen
 - Push your chair back under the table
 - Keep the workspace clean
- Code of the door to the computer labs: 9420

More information

- Blackboard
- Course webpage (only true reference!)
 - <http://msdl.cs.mcgill.ca/people/hv/teaching/ComputerSystemsArchitecture>

