Computer Systems and Architecture
Introduction

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Academic Year 2020-2021

CSA – Practical information

- Two Parts:
  - Computer Systems
  - Computer Architecture

- Oncampus excercises
- Tuesday, 10:45 – 12:45 (Group C+D)
- Wednesday, 16:00 – 18:00 (Group A+B)
- 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

- 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`