Universität Zürich[UZH]

Wrap-up of the course

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Roadmap – looking back

Day 1, Tuesday – July 25th

1. Introduction to parallel and high-performance computing (8.00-9.30).
2. Introduction 'Unix-like' environments; 'Midway' as example of a parallel computing infrastructure (10.00-10.45 – hands on).

2a. An ultra-short introduction to c++.

3. Introduction to Projects (11.20-11.50 – hands on).
4. Exercise sheet related to the day's topics (11.50-12.00).

Day 2, Thursday – July 27th

1. Basics on code optimization & OpenMP session I (8.00-9.30 – hands on).
2. OpenMP session II (10.00-11.00 – hands on).

3. Software Engineering (11.00-11.30 – hands on).
4. Exercise sheet related to the day's topics (11.45-12.00).

Roadmap – looking back (2):

Day 3, Tuesday – August 1st

1. MPI session I (8.00-9.30 – hands on).
2. MPI session II (10.00-11.00 – hands on).

3. High throughput computing
4. Exercise sheet related to the day's topics (11.50-12.00).

Day 4, Thursday – August 3rd

1. Hybrid parallelism (8.00-9.00 – hands on).
2. Hybridize some of the projects together (9.15-10.00 – hands on).

3. Advanced topics (10.15-11.00).
4. Start to present results from the projects (11.10 – 11.50).
5. Exercise sheet related to the day's topic (11.50-12.00 – hands on).

What were my goals for the workshop

- You understand the basic concepts of parallel computing.
- You understand the basics of the available hardware.
- Know which parallel programming paradigms are available.
- Be aware which paradigm and which hardware fits your problem.
- Gain hands-on expertise with exercises.

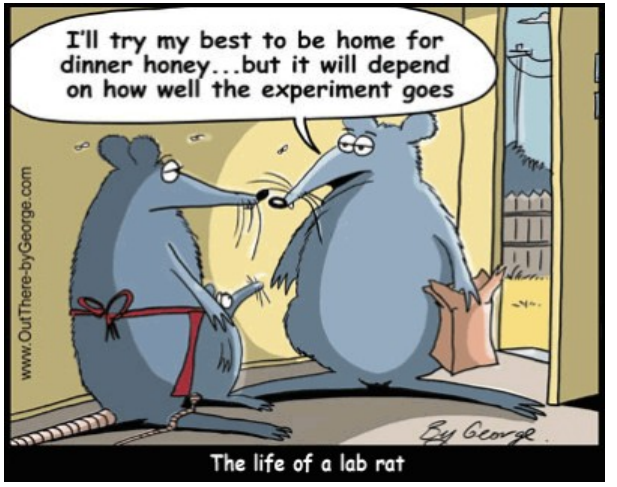
From making fire to flying rockets in 4 days

!!! Your feedback is welcome !!!

We would appreciate if we could get a feedback from all of you, in particular on:

- what you liked ?
- what you disliked ?
- on which topics we should elaborate more ?
- on which topics should we be shorter ?
- were there topics missing that you would have liked being included ?

→ Remember: this is a newly designed course, so your feedback matters a lot to me!



*You were fantastic lab rats :)