



Announcements

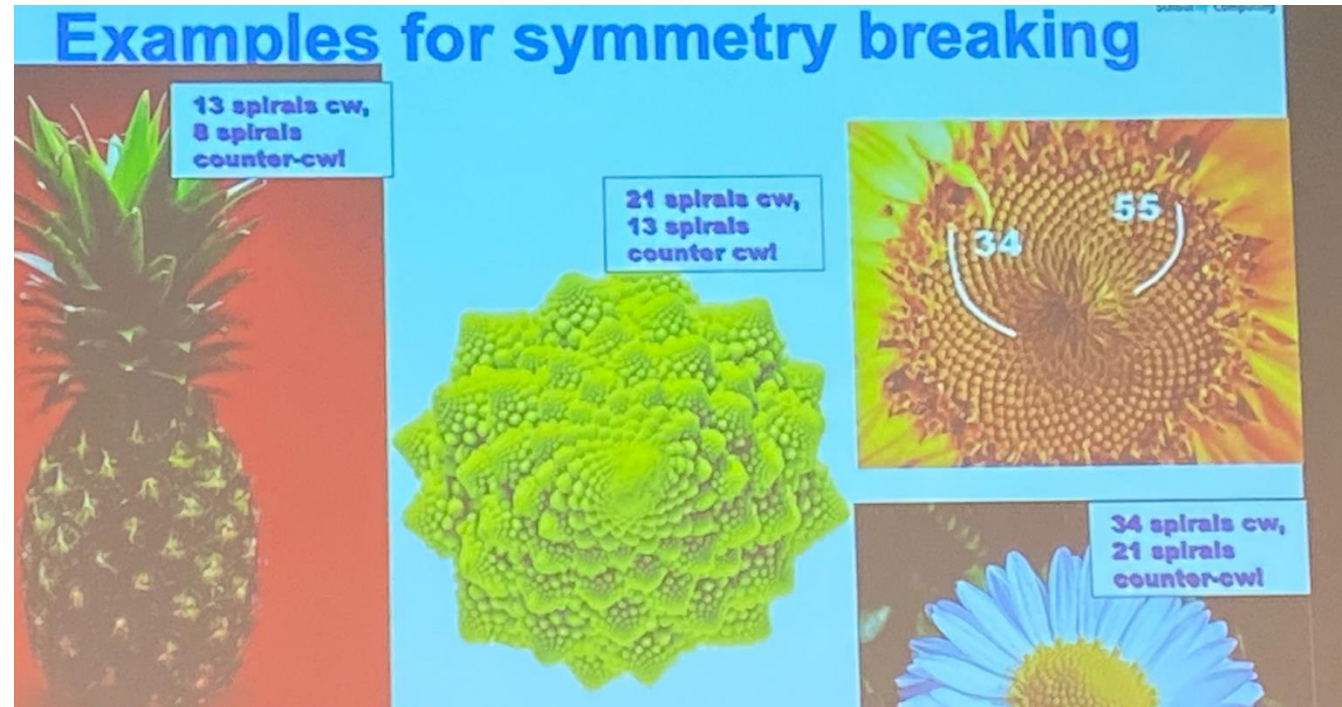
Tuesday 22nd of August

About yesterday...



At first there were talks..

And lectures...



- Read from uninitialized memory
- Read/write via uninitialized pointer/ref
- Read/write past the valid range
- Read/write via a stale pointer/reference
E.g. after deallocating memory

Memory management mistakes

- Deallocation of (currently) unowned memory
Freeing something twice results in later overwrites
- Memory leaks
Forgetting to free something results in unusable memory

Often cause "really hard to find" bugs

- Crashes, incorrect results - traceback and dump don't show cause
- Occur far from the real cause - breakpoints don't help
- Often intermittent

Note: Language choices reduce these, but don't make them go away

31 Bob Jacobson, UG Berkeley

...a few challenges



How to avoid the fire exit doors going out on the terrace!

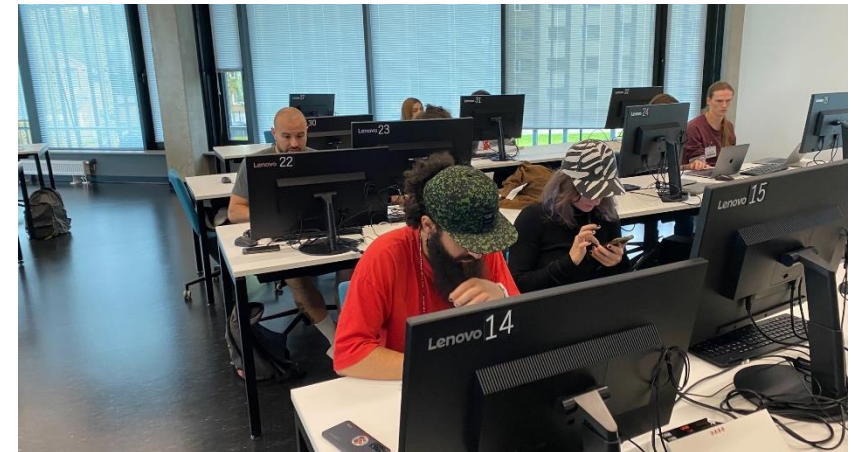


How to fix a water boiler at a distance.



How to avoid gaining 8 kg these two weeks...

Exercises...



Knowing each others ...



Part from that.. All is good!



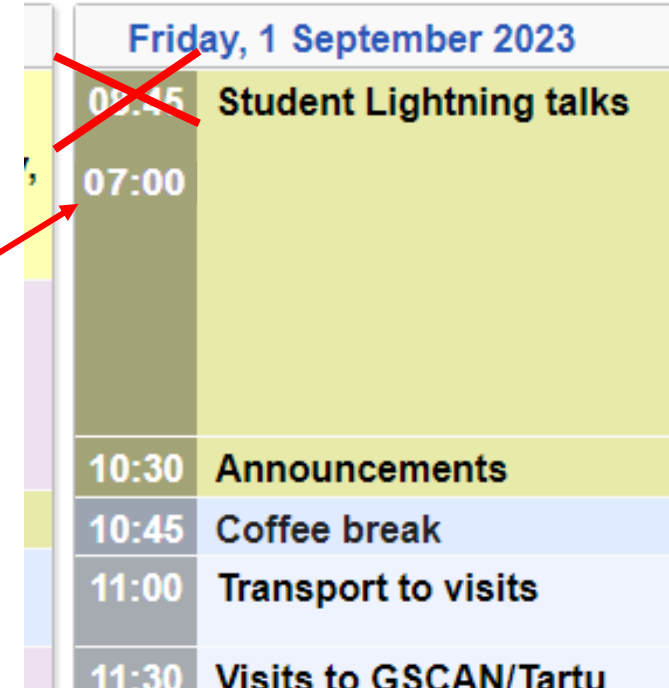
Sports/cultural activities Thursday

- Body balance Thursday at 14.45 (30 places) – Please sign up via indico
- City Tour, Tartu at 16.30 (40 places). Meeting point is in the lobby of the DELTA building – Please sign up via indico
- <https://indico.cern.ch/event/1254984/registrations/>



Lightning talks

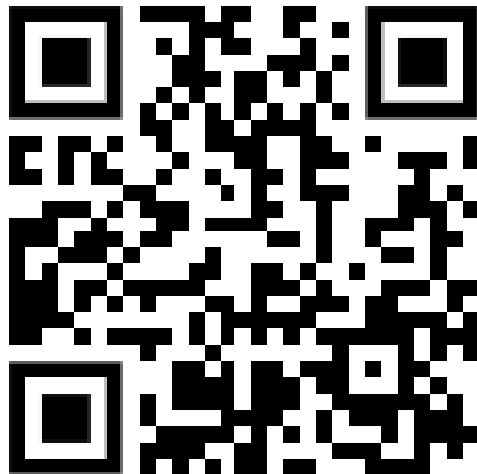
- ◆ A real success, remember rule #1 ?
 - ◆ Participate !
- ◆ Now we have a problem ...
 - ◆ Two possible solutions for next Friday...
- ◆ Solution #1
 - ◆ Change the starting time
- ◆ Solution #2
 - ◆ Reduce the number of talks
- ◆ The current lectures will make the selection of the talks to be presented next week ... you will be notified tomorrow



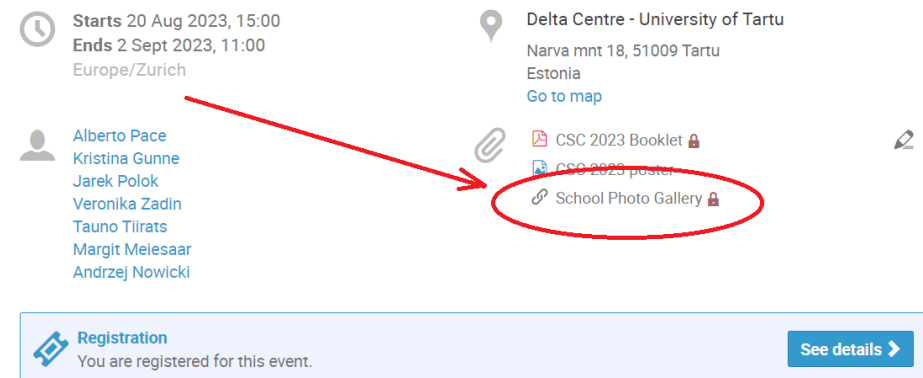
Friday, 1 September 2023	
07:45	Student Lightning talks
07:00	
10:30	Announcements
10:45	Coffee break
11:00	Transport to visits
11:30	Visits to GSCAN/Tartu

School Photos and Videos

- ◆ We would like you to share your photos and video in **Original Resolution**
- ◆ <https://cernbox.cern.ch/s/5pv5sJwxfTTN4AI>
 - ◆ You should create a folder with your name to put your photos - videos
 - ◆ Please upload **original unmodified photos** - with EXIF metadata - and original Last-Modified date






... or from the indico school site:
<https://indico.cern.ch/event/1254984/>




Starts 20 Aug 2023, 15:00
Ends 2 Sept 2023, 11:00
Europe/Zurich

Delta Centre - University of Tartu
Narva mnt 18, 51009 Tartu
Estonia
[Go to map](#)

Alberto Pace
Kristina Gunne
Jarek Polok
Veronika Zadin
Tauno Tiirats
Margit Meesaar
Andrzej Nowicki

[CSC 2023 Booklet](#) 
[CSC 2023 poster](#) 
[School Photo Gallery](#) 

 **Registration**
You are registered for this event. [See details >](#)

Exercises session

- ◆ We will be using CERN SWAN service for some of the exercises today



- ◆ Before starting exercises session please login at:

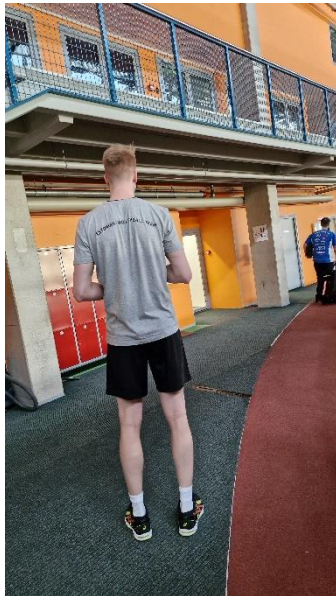
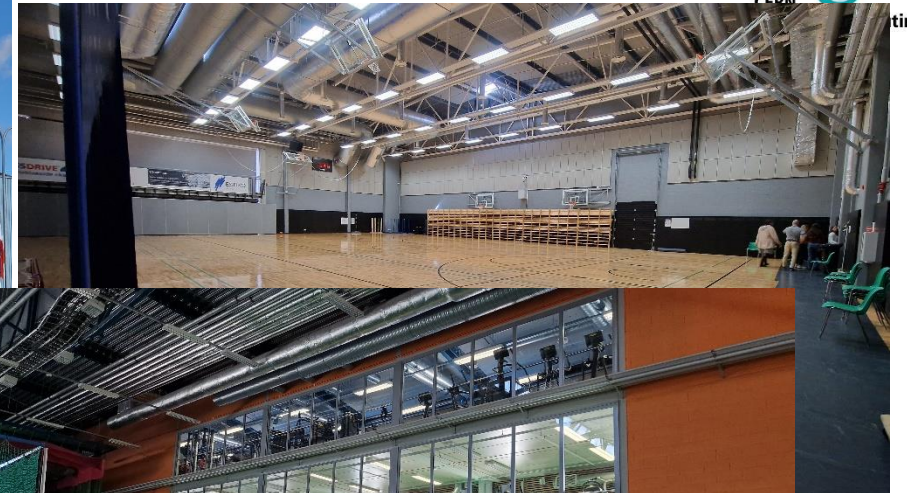
<https://cernbox.cern.ch>

to assure creation of your personal SWAN storage area
(required if you never used CERNBox before)



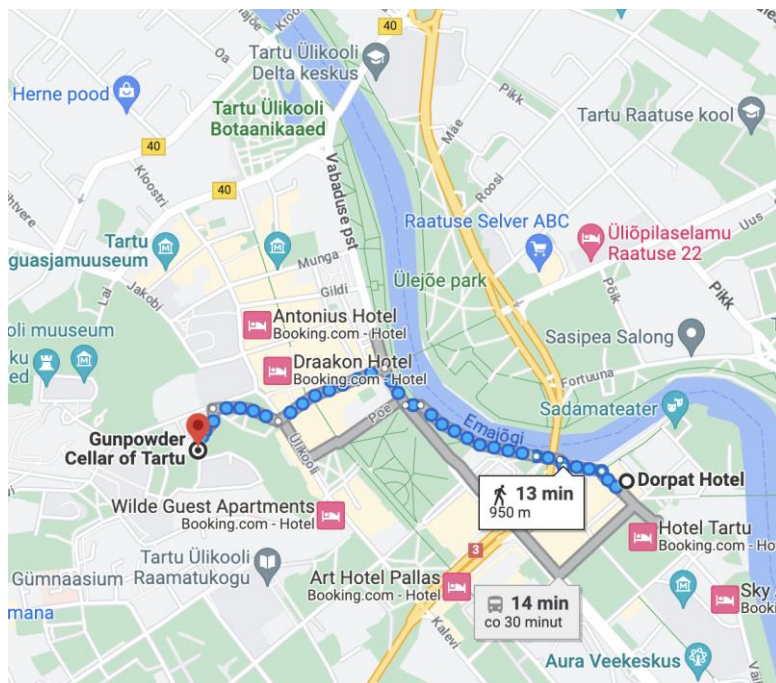
Sports today

- ◆ Badminton ?
- ◆ Volleyball ?
- ◆ Basketball ?
- ◆ Gym ?
- ◆ Track and Field ?



Special dinner & Pub Quiz today

- ◆ 19:30 – Gunpowder Cellar of Tartu
- ◆ Pub Quiz
 - ◆ groups of 6-8 people
 - ◆ 4 categories, 38 questions in total





CERN School of Computing 2023

Tartu, Estonia