

Elmer FEM course

Introduction to Elmer FEM software June 1st-2nd, 2017

Lecturers (in alphabetical order):

Peter Råback Sampo Sillanpää Thomas Zwinger





Practicalities

- Keep the name tag visible
- Lunch is served in the same building
- Toilets are in the lobby



- Network:
 - o WIFI: eduroam, HAKA authentication
 - Ethernet cables on the tables
 - CSC-Guest accounts upon request
- Public transport:

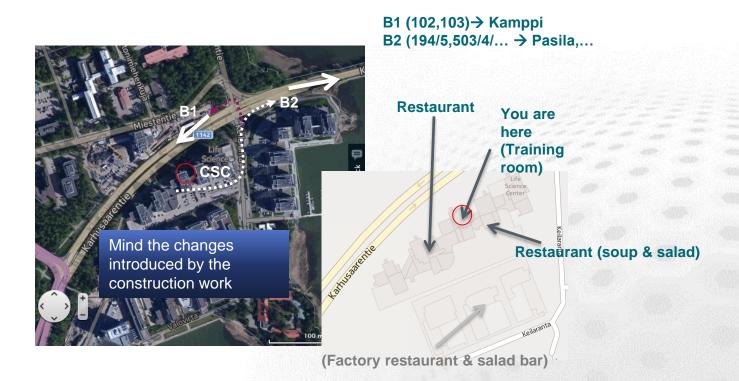


- Other side of the street (102,103) -> Kamppi/Center
- Metro station at Keilaranta (but no metro!)
- o Same side, towards the bridge (194,195,503-6) -> Center/Pasila
- Bus stops to arrive at CSC at the same positions, just on opposite sides

- If you came by car: parking is being monitored - ask for a temporary parking permit from the reception (tell which workshop you're participating)
- P
- Visiting outside: doors by the reception desks are open
- Room locked during lunch
 lobby open, use lockers
- Username and password for workstations: given on-site

Around CSC





Program, June 1st



- 09:00 09:30 Morning coffee & registration
- **09:30 09:45 Introduction to the course** (whereabouts, etc.)
- 09:45 11:00 Introduction to Elmer finite element software
- 11:00 12:00 Hands-on session using ElmerGUI (hands-on)
- 12:15 13:15 Lunch
- 13:00 14:30 Elmer structure explained & hands-on session continued
- 14:30 15:00 Coffee
- 15:00 16:30 Alternative pre- and postprocessers (including demo of integration SALOME Elmer)
 16:30 End day 1

Program, June 2nd



09:00 – 10:00 The (Elmer)Solver Input File (SIF) explained Including MATC (the poor-man's MatLab of Elmer)

10:00 - 10:30 Coffee

10:30 – 12:00 Programming user functions and solvers in Elmer

12:00 - 13:00 Lunch

13:00 – 13:45 Internal pre- and post-processing features in Elmer

13:45 – 14:30 Parallel computing with Elmer

14:30 - 15:00 Coffee

15:00 – 15:30 Parallel computing demo (if wanted)

15:30 – 16:30 Miscellaneous topics & User problems (tell us all your Elmer problems)

What about you?



- Could we take a few minutes to get information on your ...
 - background
 - motivation to join that course
 - expectations to this course
 - .