

Elmer FEM course

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

Lecturers (in alphabetical order):

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About this course

Practicalities

- Keep the name tag visible
- Lunch is served in the same building
- Toilets are in the lobby
- Network:
 - 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!)
 - 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)
- 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



B1 (102,103) → Kamppi
B2 (194/5,503/4/... → Pasila,...



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 postprocessors (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
 - ?

