2-day Beginner Elmer/Ice course
28th and 29th Oct 2019,
University of Iceland,
Reykjavik, Iceland

Location

Háskólatorg, 4 Sæmundargata, Reykjavik, in room HT-300. See direction here. In case of problem, you can contact Thomas Zwinger (+358503819538) or Olivier Gagliardini (+33681502923).

Program

Monday, 28th Oct 2019

9:00-9:15 Arrival of the participants
9:15-9:30 Welcome words by Guðfinna Aðalgeirsdóttir, general announcements
9:30-9:45 Introduction on Elmer/Ice (OG)
9:45-10:30 Short description of Solver Input File (sif file) (PR)
10:30-11:00 Coffee break
11:00-12:00 Flow-line model: basic diagnostic (TZ)
12:00 Lunch (on your own expense)
13:00-15:30 Flow-line model: thermo-mechanical coupling (TZ)
15:30-16:00 Coffee break
16h00-17h30 Flow-line model: sliding, prognostic runs (TZ)
19h00 Course dinner (on your own expense – place to be announced)

Tuesday, 29th Oct 2019

9:00-9:30 Tête Rousse context (OG)
9:30-10:30 Tête Rousse setup and diagnostic (OG)
10:30-11:00 Coffee break
11:00-12:00 Tête Rousse prognostic (OG)
12:00 Lunch (on your own expense)
13:00-15:30 Midtre Lovénbreen application (PR)
15:30-16:00 Coffee break
16:00-18:00 Questions on your own modelling

Presenters:

Olivier Gagliardini (University Grenoble Alpes, Grenoble, France)
Peter Råback (CSC, Espoo, Finland)
Thomas Zwinger (CSC, Espoo, Finland)

Local organiser committee:

Guðfinna Aðalgeirsdóttir (University of Iceland, Reykjavik, Iceland)

Sponsors:

University of Iceland
Finnish Academy Project COLD
CSC
IGE UGA / CNRS
H2020 project TiPACCs

Organisation:

The participation is free of charge. The participants have to organize and pay their travel and their stay in Reykjavik. The H2020 project TiPACCs is covering the fees for the travel of Olivier Gagliardini. Thomas Zwinger and Peter Råback are supported by the Finnish Academy Project COLD.

Preparations:

All participants are expected to bring their own laptop with Elmer (and Elmer/Ice), including the elmerf90 (demands working Fortran-compiler) utility, installed on it. You will also need gmsh and paraview tools for the course.

If you have a Windows or Mac operating system (also actually works with Linux), the easiest way to get Elmer/Ice installed is to use the virtual appliance that exclusively has been set up for the course. It can be downloaded from (https://kannu.csc.fi/s/HaXt7eLNXDG3Mtg) – the password of the appliance user (cscuser) is *Please_change*. Running the machine demands a 64-bit CPU with virtualization enabled (setting in BIOS/UEFI) with at least 4GB RAM of the host system and about 15 GB free disk-space. See the tutorial video on how to install the needed program VirtualBox (https://www.virtualbox.org/) and the downloadable ready appliance. Preparing and first usage of the appliance is explained under another video.

Recipes on how to compile Elmer/Ice on Linux systems are to be found under Elmer/Ice Wiki pages. Mind, that users of Ubuntu-based Linux systems can install Elmer also using Launchpad. Make also sure you have a working wireless card. WIFI will be available in the room (either EDUROAM and a local one).

Directions