

# 2-day Beginner Elmer/Ice course

## 22nd and 23rd Oct 2018,

### Arctic Centre at the University of Lapland, Rovaniemi, Finland

#### Location

Room Borealis, third floor

Arctic Centre at the University of Lapland (Arktikum House, Pohjoisranta 4, Rovaniemi)

As the course room is located in a restricted area, the meeting point is at the entrance of the Arctic Center. In case of problem, you can contact Rupert Gladstone (0049 15258784656), Thomas Zwinger (00358503819538) or Olivier Gagliardini (0033681502923).

#### Program

##### Monday, 22nd Oct 2018

9:00-9:30 Arrival of the participants

9:30-9:45 Welcome words by Rupert Gladstone, general announcements

9:45-10:30 Introduction on Elmer/Ice (OG)

10:30-11:00 Coffee break

11:00-12:00 Toy flow-line model: basic diagnostic (TZ)

12:00 Lunch

13:00-15:30 Toy flow-line model: thermo-mechanical coupling (TZ)

15:30-16:00 Coffee break

16h00-17h30 Toy flow-line model: sliding, prognostic runs (TZ)

19h00 Course dinner (on your own expense – place to be determined)

##### Tuesday, 23rd Oct 2018

9:00-10:00 Tête Rouse context (OG)

10:00-10:30 Tête Rouse setup and diagnostic (OG)

10:30-11:00 Coffee break

11:00-12:00 Tête Rouse prognostic (OG)

12:00 Lunch

13:00-14:30 SSA prognostic (OG)

14:30-15:00 Coffee break

15:00-17:00 Questions on your own modelling

#### Presenters:

Thomas Zwinger (CSC, Espoo, Finland)

Olivier Gagliardini (IGE UGA CNRS, Grenoble, France)

Rupert Gladstone (Arctic Centre at the University of Lapland, Rovaniemi, Finland)

#### Local organiser committee:

Rupert Gladstone and Raija Kivilahti (Arctic Centre at the University of Lapland, Rovaniemi, Finland)

#### Sponsors:

[Arctic Centre, University of Lapland](#)

Labex [OSUG@2020](#)

eScience tools for investigating climate change ([eSTICC](#))

[CSC](#)

[IGE](#) UGA / CNRS

## Organisation:

The participation is free of charge. The participants have to organize and pay their travel and their stay in Rovaniemi. The labex [OSUG@2020](#) is covering the fees for the travel of Olivier Gagliardini. Thomas Zwinger is supported by [eSTICC](#).

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. Installation instructions are to be found the [Elmer/Ice wiki](#). You will also need [gmsH](#) and [paraview](#) tools for the course.

WIFI will be available in the room but you will need EDUROAM to connect. If you do not have access to EDUROAM, please let Rupert Gladstone ([rupertgladstone1972@gmail.com](mailto:rupertgladstone1972@gmail.com)) know such that he can arrange a guest account.

A virtual appliance that can be run in [VirtualBox](#) has been set up. It can be downloaded [here](#) (please read the `Readme1st.txt` file before installing, needs a host with minimum 2GB free RAM, dual core 64-bit CPU and about 20 GB disk). It has a working Elmer/Ice already installed.

The material and presentation used during the course will be downloaded from the [Elmer/Ice wiki](#) (not yet online).

## List of Participants

Guðfinna Aðalgeirsdóttir (University of Iceland, Iceland)

Jorge Bernales (University of Bremen, Germany)

Seth Campbell (University of Maine, USA)

Gleb Chernyakov (Russian academy of Science, Russia)

Yeontaek Choi (National Institute for Mathematical Sciences, South Korea)

Nelli Elagina (?)

Sean Gilgannon (University of Sheffield, UK)

Ralf Greve (Institute of Low Temperature Science, Hokkaido University, Japan)

Xiaoran Guo (Beijing Normal University, China)

Alexandra Hamm (Humboldt University, Germany)

Anna Hughes (University of Bergen, Norway)

Dong-Uk Hwang (National Institute for Mathematical Sciences, South Korea)

Hyuk Kang (?)

Sarah Mangum (University of Washington, USA)

Martim Mas e Braga (Stockholm University, Sweden)

Enrico Pochini (?, Italy)

Hark Su Song (?)

Michael Wolovick (Princeton University, USA)

Yufang Zhang (Beijing Normal University, China)

# Directions

