

Agenda SOLPS-ITER workshop

Location

All sessions will take place at the Department of Mechanical Engineering of the KU Leuven.

Address

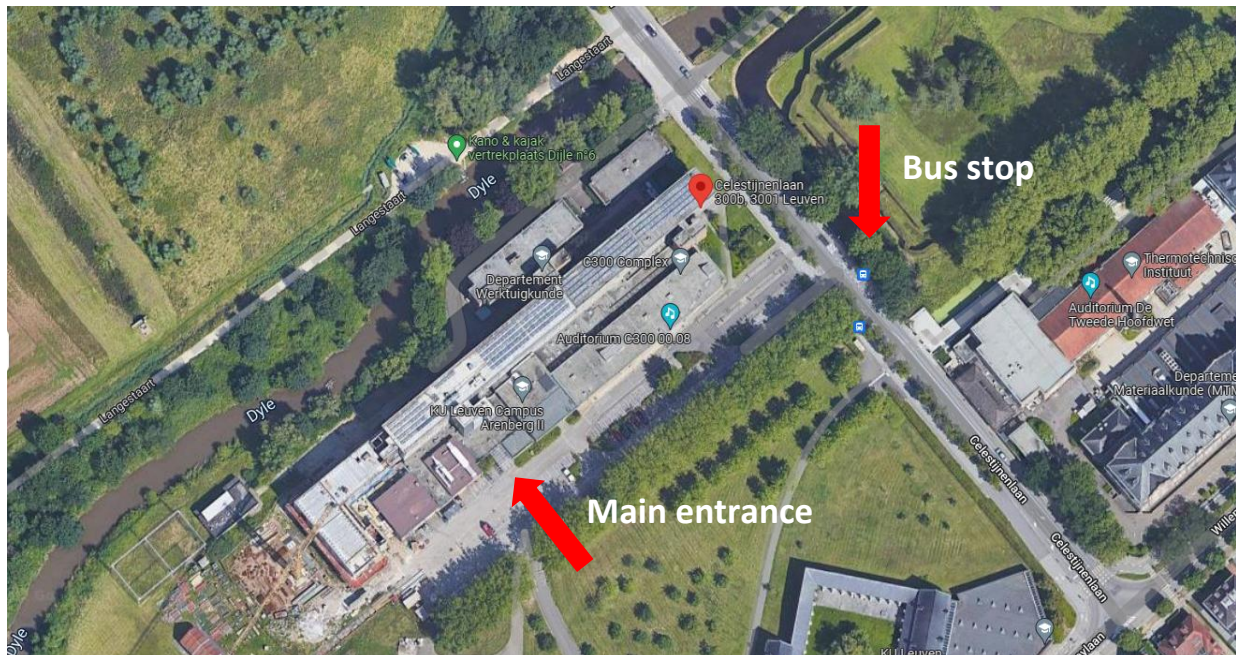
Celestijnenlaan 300
3001 Heverlee (Leuven)
Belgium

Information on how to reach the department can be found here:

https://www.mech.kuleuven.be/en/about-us/route_description

Meeting Room 00.205 De Grote

The room is located on the ground floor of the department, near the main entrance on the left-hand side of the building.



Contacts in case of problems

Reception department: 0032 16 32 24 82

Wouter Dekeyser: 0032 468 40 61 81

Stefano Carli: 0039 320 28 27 257

Niels Horsten: 0032 499 60 48 48

Program

Day 1, Monday	
9h00-9h30	Arrival, practical arrangements
9h30-10h15	General introduction (M. Baelmans, W. Dekeyser)
10h15-10h30	Coffee break
10h30-11h45	General presentation wide grid code (W. Dekeyser)
11h45-13h30	Lunch break
13h30-15h30	Hands-on session Converting a structured reference case to the new SOLPS-ITER version
15h30-16h00	Coffee break
16h00-18h00	Hands-on session Converting user cases to the new SOLPS-ITER version

Day 2, Tuesday	
9h00-10h15	Introduction to Carre2 (W. Dekeyser)
10h15-10h30	Coffee break
10h30-11h45	Hands-on session Demonstration Carre2 workflow for reference case
11h45-13h30	Lunch break
13h30-15h30	Hands-on session Building extended grid with Carre2
15h30-16h00	Coffee break
16h00-18h00	Hands-on session Setting up extended grid simulation based on Carre2 grids

Day 3, Wednesday	
9h00-10h15	Introduction to TIARA (X. Bonnin)
10h15-10h30	Coffee break
10h30-11h45	Hands-on session Demonstration TIARA workflow for reference case
11h45-13h30	Lunch break
13h30-15h30	Hands-on session Building extended grid with TIARA
15h30-16h00	Coffee break
16h00-18h00	Hands-on session Setting up extended grid simulation based on TIARA grids
Evening	Brewery visit?

Day 4, Thursday	
9h00-10h15	Presentation Advanced Fluid Neutral (AFN) models (N. Horsten, W. Van Uytven)
10h15-10h30	Coffee break
10h30-11h45	Hands-on session Setting up case with AFN
11h45-13h30	Lunch break
13h30-14h30	Presentation hybrid neutral models (N. Horsten, W. Van Uytven)
14h30-15h30	Hands-on session Setting up case with hybrid neutral models
15h30-16h00	Coffee break
16h00-18h00	Hands-on session Setting up wide grid cases and enabling advanced neutral models for user cases
Evening	Workshop dinner

Day 5, Friday	
9h00-10h15	Presentation advanced model options (W. Dekeyser, S. Carli, S. Van den Kerkhof) <i>k</i> -turbulence model, parameter estimation through optimization, grid smoothing
10h15-10h30	Coffee break
10h30-11h45	General discussion User needs and desired code features
11h45-13h30	Lunch break
13h30-15h30	Hands-on session (cont.) Setting up wide grid cases and enabling advanced neutral models for user cases
15h30-16h00	Coffee break
16h00	Closure workshop