



Scientific Program Tentative

Aussois, France

13-18 december

Language

Classes can be held in French or English, depending on the instructor and the audience. Written documents and presentations will be in English.

Dates & Hours

Please plan to arrive the day before (Sunday 15th). Classes start on Monday morning and end on Friday at noon.

Sunday, 13th december

17:00 • Chambéry bus departure in the train station to Aussois

19:30 • 🍴 *Dinner*

Monday, 14th december

- 8:00 • **Thermodynamics of Phase Change I**
Marie Charlotte Renoult, CORIA
55'
- 8:55 • **Thermodynamics of Phase Change II**
Marie Charlotte Renoult, CORIA
55'
- 9:55 • ☕ *Coffee Break – 20'*
- 10:15 • **Classical Nucleation Theory I**
Benoit Stutz, LOCIE
55'
- 11:15 • **Classical Nucleation Theory II**
Benoit Stutz, LOCIE
55'
- 12:15 • 🍴 *Lunch – 1:15*
- 14:00 • **Pool Boiling and Bubble Growth I**
Vadim Nikolayev, CEA
55'
- 14:55 • **Pool Boiling and Bubble Growth II**
Vadim Nikolayev, CEA
55'
- 15:55 • ☕ *Coffee Break – 20'*
- 16:15 • **Thermohydraulic and Convective Boiling Modeling I**
Fabrice François, CEA
55'
- 17:15 • **Thermohydraulic and Convective Boiling Modeling II**
Fabrice François, CEA
55'
- 18:30 • **Poster session**
60'
- 19:30 • 🍴 *Dinner*

Tuesday, 15th december

8:00 • **Thermohydraulic and Convective Boiling Modeling III**

Fabrice François, CEA
55'

8:55 • **Thermohydraulic and Convective Boiling Modeling IV**

Fabrice François, CEA
55'

9:55 • ☕ *Coffee Break – 20'*

10:15 • **Basics of Condensation I**

Alidad Amirfazli, York Univ., Canada
55'

11:15 • **Basics of Condensation II**

Alidad Amirfazli, York Univ., Canada
55'

12:15 • 🍴 *Lunch – 1:15*

14:00 • **Free/Group session**

15:55 • ☕ *Coffee Break – 20'*

16:15 • **Free/Group session**

18:30 • **Poster session**

60'

19:30 • 🍴 *Dinner – Savoyard fondue*

- 8:00 • **Basics of Solidification — Nucleation / Grain growth I**
Nathalie Bergeon, IM2NP
55'
- 8:55 • **Basics of Solidification — Nucleation / Grain growth II**
Nathalie Bergeon, IM2NP
55'
- 9:55 • ☕ *Coffee Break – 20'*
- 10:15 • **Basics of Solidification — Dendrite growth / Macrosegregation I**
Speaker TBD
55'
- 11:15 • **Basics of Solidification — Dendrite growth / Macrosegregation II**
Speaker TBD
55'
- 12:15 • 🍴 *Lunch – 1:15*
- 14:00 • **Numerical Methods — Microscopic and Atomistic modelling I**
Mykola Isaiev, LEMTA
55'
- 14:55 • **Numerical Methods — Microscopic and Atomistic modelling II**
Mykola Isaiev, LEMTA
55'
- 15:55 • ☕ *Coffee Break – 20'*
- 16:15 • **Numerical Methods — Mesoscopic and Phase Field modelling I**
Mathis Plapp, Ecole Polytechnique
55'
- 17:15 • **Numerical Methods — Mesoscopic and Phase Field modelling II**
Mathis Plapp, Ecole Polytechnique
55'
- 18:30 • **Poster session**
60'
- 19:30 • 🍴 *Dinner*

Thursday, 17th december

- 8:00 • **Numerical Methods — Macroscopic and Volume of Fluid modelling I**
Speaker TBD
55'
- 8:55 • **Numerical Methods — Macroscopic and Volume of Fluid modelling II**
Speaker TBD
55'
- 9:55 • ☕ *Coffee Break – 20'*
- 10:15 • **Experimental Boiling I**
Matteo Bucci, MIT
55'
- 11:15 • **Experimental Boiling II**
Matteo Bucci, MIT
55'
- 12:15 • 🍴 *Lunch – 1:15*
- 14:00 • **Free/Group session**
- 15:55 • ☕ *Coffee Break – 20'*
- 16:15 • **Free/Group session**
- 18:30 • **Poster session**
60'
- 19:30 • 🍴 *Dinner*

Friday, 18th december

- 8:00 • **MRI, Raman Spectroscopy I**
Nicolo Sgreva, LEMTA
55'
- 8:55 • **MRI, Raman Spectroscopy II**
Nicolo Sgreva, LEMTA
55'
- 9:55 • ☕ *Coffee Break – 20'*
- 10:15 • **LIF I**
Guillaume Castanet, LEMTA / Medhi Stitti, IMFT
55'
- 11:15 • **LIF II**
Guillaume Castanet, LEMTA / Medhi Stitti, IMFT
55'
- 12:15 • 🍴 *Lunchbox collection*
- 12:30 • **Bus departure to Chambéry**

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