



# BOILING

WINTER SCHOOL  
2024

## PROGRAM



27/11/2024

## 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 15<sup>th</sup>). Classes start on Monday morning and end on Friday at noon.

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### Program per day

#### Sunday 15<sup>th</sup> december 2024

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

19:30 Lunch

**Boiling Winter School 2024 – Program per day**

**Monday 16<sup>th</sup> december 2024**

| Duration | Time        | Activity                       | Speaker                                |
|----------|-------------|--------------------------------|--|
| 55"      | 8:00-8:55   | Phase Change thermodynamic     | Nicolas Rimbert, LEMTA, Univ. Lorraine |
| 55"      | 9:00-09:55  | Interface Thermodynamics       | Nicolas Rimbert, LEMTA, Univ. Lorraine |
| 20"      | 9:55-10:15  | Break                          |  |
| 55"      | 10:15-11:10 | Classical Nucleation Theory I  | Benoit Stutz, LOCIE, Univ. Savoie      |
| 55"      | 11:15-12:10 | Classical Nucleation Theory II | Benoit Stutz, LOCIE, Univ. Savoie      |
| 1:45     | 12:15-14:00 | Lunch                          |  |
| 55"      | 14:00-14:55 | Balance equations I            | Antoine Gerschenfeld, CEA, Saclay      |
| 55"      | 15:00-15:55 | Balance equations II           | Antoine Gerschenfeld, CEA, Saclay      |
| 20"      | 15:55-16:15 | Break                          |  |
| 55"      | 16:15-17:10 | Balance equations III          | Antoine Gerschenfeld, CEA, Saclay      |
| 55"      | 17:15-18:10 | Balance equations IV           | Antoine Gerschenfeld, CEA, Saclay      |
| 60"      | 18:30-19:30 | Poster Session                 |  |
|          | 19:30       | Dinner                         |  |

## Boiling Winter School 2024 – Program per day

Tuesday 17<sup>th</sup> december 2024

| Duration | Time        | Activity                      | Speaker                             |
|----------|-------------|-------------------------------|-------------------------------------|
| 55"      | 8:00-8:55   | Pool boiling I                | Romuald Rullière, CETHIL, Insa Lyon |
| 55"      | 9:00-9:55   | Pool boiling II               | Romuald Rullière, CETHIL, Insa Lyon |
| 20"      | 9:55-10:15  | Break                         |                                     |
| 55"      | 10:15-11:10 | Bubble growth and dynamics I  | Vadim Nikolayev, CEA, Saclay        |
| 55"      | 11:15-12:10 | Bubble growth and dynamics II | Vadim Nikolayev, CEA, Saclay        |
| 1:45     | 12:15-14:00 | Lunch                         |                                     |
| 55"      | 14:00-14:55 | Free/Group session            |                                     |
| 55"      | 15:00-15:55 | Free/Group session            |                                     |
| 20"      | 15:55-16:15 | Break                         |                                     |
| 55"      | 16:15-17:10 | Free/Group session            |                                     |
| 55"      | 17:15-18:10 | Free/Group session            |                                     |
| 60"      | 18:30-19:30 | Poster Session                |                                     |
|          | 19:30       | Dinner - Savoyard fondue      |                                     |

**Boiling Winter School 2024 – Program per day**

**Wednesday 18<sup>th</sup> december 2024**

| Duration | Time        | Activity               | Speaker  |
|----------|-------------|------------------------|--|
| 55"      | 8:00-8:55   | Convective boiling I   | Catherine Colin, IMFT, Univ. Toulouse & Pierre Ruyer, IRSN, Cadarache                  |
| 55"      | 9:00-9:55   | Convective boiling II  | Catherine Colin, IMFT, Univ. Toulouse & Pierre Ruyer, IRSN, Cadarache                  |
| 20"      | 9:55-10:15  | Break                  |  |
| 55"      | 10:15-11:10 | Convective boiling III | Catherine Colin, IMFT, Univ. Toulouse & Pierre Ruyer, IRSN, Cadarache                  |
| 55"      | 11:15-12:10 | Convective boiling IV  | Catherine Colin, IMFT, Univ. Toulouse & Pierre Ruyer, IRSN, Cadarache                  |
| 1:45     | 12:15-14:00 | Lunch                  |  |
| 55"      | 14:00-14:55 | Numerical methods I    | Sébastien Tanguy, IMFT, Univ. Toulouse, & Benjamin Duret, CORIA, Univ. Rouen Normandie |
| 55"      | 15:00-15:55 | Numerical methods II   | Sébastien Tanguy, IMFT, Univ. Toulouse, & Benjamin Duret, CORIA, Univ. Rouen Normandie |
| 20"      | 15:55-16:15 | Break                  |  |
| 55"      | 16:15-17:10 | Numerical methods III  | Sébastien Tanguy, IMFT, Univ. Toulouse, & Benjamin Duret, CORIA, Univ. Rouen Normandie |
| 55"      | 17:15-18:10 | Numerical methods IV   | Sébastien Tanguy, IMFT, Univ. Toulouse, & Benjamin Duret, CORIA, Univ. Rouen Normandie |
| 10"      | 18:15-18:25 | Ercoftac presentation  |  |
| 60"      | 18:30-19:30 | Poster Session         |  |
|          | 19:30       | Dinner                 |  |

**Boiling Winter School 2024 – Program per day**

**Thursday 19<sup>th</sup> december 2024**

| Duration | Time        | Activity                          | Speaker                      |
|----------|-------------|-----------------------------------|------------------------------|
| 55"      | 8:00-8:55   | Exp.: Wall measurement I          | Matteo Bucci, MIT, Cambridge |
| 55"      | 9:00-9:55   | Exp.: Wall measurement II         | Matteo Bucci, MIT, Cambridge |
| 20"      | 9:55-10:15  | Break                             |                              |
| 55"      | 10:15-11:10 | High Pressure Boiling             | Matteo Bucci, MIT, Cambridge |
| 55"      | 11:15-12:10 | Boiling around the critical point | Vadim Nikolayev, CEA, Saclay |
| 1:45     | 12:15-14:00 | Lunch                             |                              |
| 55"      | 14:00-14:55 | Free/Group session                |                              |
| 55"      | 15:00-15:55 | Free/Group session                |                              |
| 20"      | 15:55-16:15 | Break                             |                              |
| 55"      | 16:15-17:10 | Free/Group session                |                              |
| 55"      | 17:15-18:10 | Free/Group session                |                              |
| 60"      | 18:30-19:30 | Poster Session                    |                              |
|          | 19:30       | Dinner - Tartiflette              |                              |

**Boiling Winter School 2024 – Program per day**

**Friday 20<sup>th</sup> december 2024**

| Duration | Time        | Activity                       | Speaker                         |
|----------|-------------|--------------------------------|---------------------------------|
| 55"      | 8:00-8:55   | Vapor Explosion I              | Renaud Meignen, IRSN, Cadarache |
| 55"      | 9:00-9:55   | Vapor Explosion II             | Renaud Meignen, IRSN, Cadarache |
| 20"      | 9:55-10:15  | Break                          |                                 |
| 55"      | 10:15-11:10 | Exp.: Surface structuration I  | Matevz Zupancic, Ljubjana Univ  |
| 55"      | 11:15-12:10 | Exp.: Surface structuration II | Matevz Zupancic, Ljubjana Univ  |
|          | 12:15       | Lunchbox collection            |                                 |
|          | 12:30       | Bus departure to Chambéry      |                                 |