





CompSci Workshop 1 - Large computing projects, HPC computing, and project management

Programme

Monday, 30 January

- 09:00** **Welcome to the workshop**
[Marta Gómez Muñoz](#), Adviser, Research Section MN Faculty, University of Oslo
- 09:05** **Effective use of a single core – Lecture**
[Xing Cai](#), Head of the Department of High Performance Computing / Chief Research Scientist / Research Professor, Simula
- 11:45** **Lunch**
- 12:30** **Effective use of a single core – Hands-on exercises**
[Xing Cai](#), Head of the Department of High Performance Computing / Chief Research Scientist / Research Professor, Simula
- 14:00** **End**

Tuesday, 31 January

- 09:00** **Shared-memory parallel programming with Open MP – Lecture**
[Xing Cai](#), Head of the Department of High Performance Computing / Chief Research Scientist / Research Professor, Simula
- 11:45** **Lunch**
- 12:15** **Shared-memory parallel programming with Open MP – Hands-on exercises**
[Xing Cai](#), Head of the Department of High Performance Computing / Chief Research Scientist / Research Professor, Simula
- 13:45** **End**

Wednesday, 1 February

- 09:00** **Distributed-memory parallel programming with MPI – Lecture**
[Xing Cai](#), Head of the Department of High Performance Computing / Chief Research Scientist / Research Professor, Simula
- 11:45** **Lunch**
- 12:30** **Distributed-memory parallel programming with MPI – Discussion and/or Hands-on exercises**
[Xing Cai](#), Head of the Department of High Performance Computing / Chief Research Scientist / Research Professor, Simula
- 14:00** **End**

Thursday, 2 February

- 09:30** **Welcome to the “Project Management” part of the workshop**
[Marta Gómez Muñoz](#), Adviser, Research Section MN Faculty, University of Oslo
- 09:35** **How to plan a project**
[Jørgen Kirksæther](#), Senior Adviser, Research Section MN Faculty, University of Oslo
- 10:45** **How to run a project**
[Geir Horn](#), Senior Adviser, Department of Informatics, University of Oslo
- 11:45** **Lunch**

Friday, 3 February

09:30 GPU computing – Lecture

[Xing Cai](#), Head of the Department of High Performance Computing / Chief Research Scientist / Research Professor, Simula

11:45 Lunch

12:30 Q&A and Kahoot

[Xing Cai](#), Head of the Department of High Performance Computing / Chief Research Scientist / Research Professor, Simula

14:30 Evaluation (Nettskjema)

14:35 End