



2023

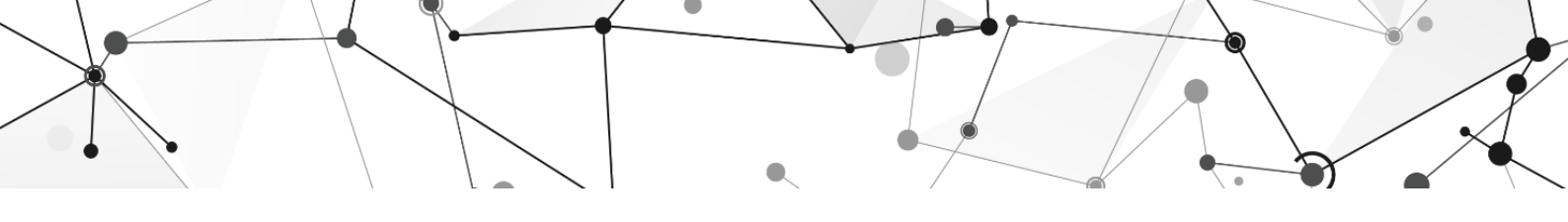
Workshop 1

Large computing projects / HPC

Written communication

Project management

CCSE, UiO
18 - 22 September



CompSci Workshop 1 – Large computing projects / HPC, written communication and project management

Programme

Monday, 18 September

08:00 **Welcome to the workshop**

[Tone Skramstad](#), Head of Office, Center for Computing in Science Education (CCSE), University of Oslo

08:05 **Effective use of a single core – Lecture**

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

10:45 **Break**

11:00 **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

12:30 **Lunch**

13:15 **Project management**

[Anders Kvellestad](#), Postdoctoral Fellow, Department of Physics, University of Oslo
[Arash Ahmadi](#), Senior Engineer, dScience, University of Oslo

15:15 **Break**

15:30 **Project management**

[Anders Kvellestad](#), Postdoctoral Fellow, Department of Physics, University of Oslo
[Arash Ahmadi](#), Senior Engineer, dScience, University of Oslo

17:30 **End**

Tuesday, 19 September

- 08:00** **Shared-memory parallel programming with Open MP – Lecture**
[Xing Cai](#), Head of the Department of High Performance Computing / Chief Research Scientist / Research Professor, Simula
- 10:45** **Break**
- 11:00** **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
- 12:30** **Lunch**
- 13:15** **Science writing and storytelling**
[Anja Røyne](#), Senior lecturer at Department of Physics and KURT - Centre for Teaching and Learning in Science and Technology, University of Oslo
- 15:15** **Break**
- 15:30** **Making a story sticky**
[Anja Røyne](#), Senior lecturer at Department of Physics and KURT - Centre for Teaching and Learning in Science and Technology, University of Oslo
- 17:30** **End**

Wednesday, 20 September

- 08:00** **Distributed-memory parallel programming with MPI – Lecture**
Xing Cai, Head of the Department of High Performance Computing / Chief Research Scientist / Research Professor, Simula
- 11:15** **Break**
- 11:30** **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
- 12:30** **Lunch**
- 13:15** **Extended abstract: The introduction, action and resolution**
Anja Røyne, Senior lecturer at Department of Physics and KURT - Centre for Teaching and Learning in Science and Technology, University of Oslo
- 15:15** **Break**
- 15:30** **Peer review in groups**
Writing consultants from the Academic Writing Centre, University of Oslo Library
- 17:30** **End**

Thursday, 21 September

- 09:00** **Coffee and sweets**
- 09:00** **Project management – Build up a demo version control project**
PhD candidates – Individual work
- 11:00** **Break**
- 11:15** **Work on your own text based on what you have learned**
PhD candidates – Individual work
- 12:15** **Lunch**
- 13:15** **Project management**
Anders Kvellestad, Postdoctoral Fellow, Department of Physics, University of Oslo
Arash Ahmadi, Senior Engineer, dScience, University of Oslo
- 15:15** **Break**
- 15:30** **Project management**
Anders Kvellestad, Postdoctoral Fellow, Department of Physics, University of Oslo
Arash Ahmadi, Senior Engineer, dScience, University of Oslo
- 17:30** **End**

Friday, 22 September

- 08:00** **GPU computing – Lecture**
Xing Cai, Head of the Department of High Performance Computing / Chief Research Scientist / Research Professor, Simula
- 10:15** **Break**
- 10:30** **Q&A and Kahoot**
Xing Cai, Head of the Department of High Performance Computing / Chief Research Scientist / Research Professor, Simula
- 12:30** **Lunch**
- 13:30** **Make your English text flow better**
Barry Kavanagh, Lecturer - Department of Literature, Area Studies and European Languages and Higher Executive Officer - Library Director's Staff
- 15:00** **Break**
- 15:30** **Peer review / feedback in groups on the use of English in abstracts**
Barry Kavanagh, Lecturer - Department of Literature, Area Studies and European Languages and Higher Executive Officer - Library Director's Staff
Writing consultants from the Academic Writing Centre, University of Oslo Library
- 17:25** **Evaluation (Nettskjema)**
- 17:30** **End**