



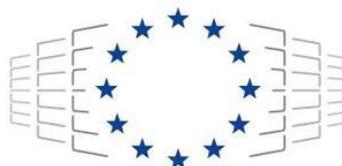
MINERVA

**European Support Centre for Scalable AI Research and
Deployment**

Winter AI School – Agenda

23-27 February 2026

NOTE: Minor changes to the agenda may occur prior to the event. Participants will be notified of any further updates.



EuroHPC
Joint Undertaking

This project has received funding from the European High-Performance Computing Joint Undertaking (JU) under grant agreement No 101182737. The JU receives support from the Digital Europe Programme.

Details

- When: 23-27 February 2026
- Type: in-person
- Where: CINECA via Magnanelli 6/3, Casalecchio di Reno (BO), Italy

Prerequisites

- Deep learning and python knowledge

Description

The Winter AI School offers an intensive, hands-on learning experience that explores the latest advancements in artificial intelligence. There is a strong focus on high-performance computing (HPC), computer vision, large language models (LLMs), multimodal models and the profiling and optimisation of large-scale AI training.

Spanning five days, the school brings together experts from leading institutions, including Cineca, UNIMORE and BSC, to provide participants with state-of-the-art knowledge and practical skills. On the final day, participants will work in teams to solve a practical challenge related to either computer vision or LLM scalability.

The school is designed for individuals seeking practical skills in advanced AI and large-scale model training. It blends expert lectures, hands-on sessions and competitive challenges. Participants will gain valuable experience in deploying AI at scale across vision and language domain.

Agenda overview

Day	Time	Topic
1 - Monday 23	10:00 – 10:30	Welcome
1 - Monday 23	10:30 – 13:00	Introduction to HPC
1 - Monday 23	13:00 – 14:00	Lunch break
1 - Monday 23	14:00 – 17:30	Classification models based on CNNs and Vision Transformers
2 - Tuesday 24	9:00 – 13:00	Object detection and semantic segmentation
2 - Tuesday 24	13:00 – 14:00	Lunch break
2 - Tuesday 24	14:00 – 17:30	Introduction to LLMs
3 - Wednesday 25	9:00 – 13:00	Data & model parallelism
3 - Wednesday 25	13:00 – 14:00	Lunch break
3 - Wednesday 25	14:00 – 17:00	Adding knowledge to LLMs (fine tuning & RAG)
4 - Thursday 26	9:00 – 13:00	Multimodal LLMs
4 - Thursday 26	13:00 – 14:00	Lunch break
4 - Thursday 26	14:00 – 17:30	Profiling and optimizing AI trainings
5 - Friday 27	9:00 – 13:00	Challenge on LLM scalability or computer vision
5 - Friday 27	13:00 – 14:00	Lunch break
5 - Friday 27	14:00 – 16:00	Teams presentation
5 - Friday 27	16:00 – 17:00	Announcement of the winning team & conclusions