



RONCC
ROMANIAN NATIONAL COMPETENCE CENTRE
IN HIGH PERFORMANCE COMPUTING

AENCCS
EuroCC National Competence Centre Sweden

HPC @hu
Competence Centre

CINECA
Barcelona Supercomputing Center
Centro Nacional de Supercomputación

CERTIFICATE OF ATTENDANCE

This acknowledges that

Hugo Oliveira

attended

Multi-GPU AI Train the Trainer Workshop

30th January - 5th February 2026



EuroCC 2 and EuroCC4SEE have received funding from the European High-Performance Computing Joint Undertaking (JU) under grant agreement No 101101903 and No 101191697. The JU receives support from the European Union's Digital Europe Programme and Germany, Bulgaria, Austria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Greece, Hungary, Ireland, Italy, Lithuania, Latvia, Poland, Portugal, Romania, Slovenia, Spain, Sweden, France, Netherlands, Belgium, Luxembourg, Slovakia, Norway, Türkiye, Republic of North Macedonia, Iceland, Montenegro, Serbia, Bosnia and Herzegovina.

CASTIEL 2 has received funding from the European High-Performance Computing Joint Undertaking (JU) under grant agreement No 101102047. The JU receives support from the Digital Europe Programme and Germany, Italy, Spain, France, Belgium, Austria, Estonia.



Certificate of attendance in Multi-GPU AI Train the Trainer Workshop

Hugo Oliveira has successfully completed **35 hours** the **Multi-GPU AI Train the Trainer Workshop**, an intensive program focused on scaling and optimising Artificial Intelligence workloads on high-performance computing (HPC) infrastructures. The learner participated in the online workshop held from **January 30th until February 5th, 2026**, gaining advanced hands-on experience in distributed deep learning and model parallelism.

Course content level:

Advanced

Topics covered:

- Multi-GPU Deep Learning Frameworks
- Model Parallelism
- High-Performance AI Optimisation
- Hugging Face Accelerate
- DeepSpeed
- Ray for distributed training and RAG
- Computer Vision (CV) pipelines
- Large Language Model (LLM) fine-tuning
- Hyperparameter tuning.
- RAG (Retrieval-Augmented Generation)
- Hands-on exercises

Skills earned:

- [BDA1.2 - AI and Data Science](#)
- [BDA2.4 - RayDP](#)
- [BDA2.5 - Spark-Horovod](#)
- [BDA5 - Machine Learning](#)
- [BDA6.2 - Data-driven Workflows](#)
- [USE1.5.2 - Spack](#)

Course format:

- Online lectures and hands-on coaching (35 hours total).

Lectures taught by:

Oskar Taubert (NCC Finland) & Caspar van Leeuwen (NCC Netherlands) & Gyula Ujlaki (NCC Hungary) & Riccardo Scheda, Michele Visciarelli, Alberto Bocchinfuso (NCC Italy) & Geert Jan Bex (NCC Belgium) & Ashwin V. Mohanan, Yonglei Wang, Francesco Fiusco (ENCCS).

Hands-on labs:

Conducted on [[Leonardo \(CINECA\)](#)].

Organised by:

[EUROCC2](#) & [CASTIEL 2 Project](#)

Course description:

[[Multi-GPU AI Train the Trainer](#)]