



XVI INFN INTERNATIONAL

EFFICIENT SCIENTIFIC COMPUTING SCHOOL

APPLICATIONS
ARE
OPEN

29.9 - 9.10 2025

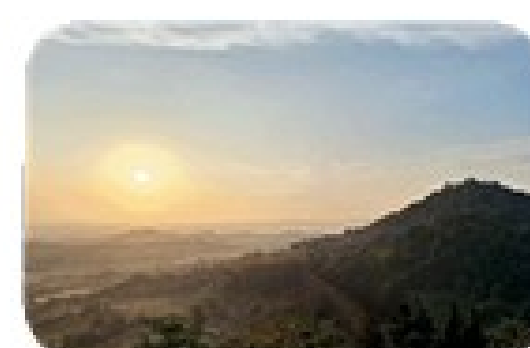
CEUB · BERTINORO (FC) ITALY

ARCHITECTURES, TOOLS AND METHODOLOGIES FOR DEVELOPING
EFFICIENT LARGE SCALE SCIENTIFIC COMPUTING APPLICATIONS

ESC 2025 EFFICIENT SCIENTIFIC COMPUTING SCHOOL

29.9 - 9.10 2025

CEUB - Bertinoro (FC) Italy



PROGRAM

Fundamentals of efficient programming:

- modern processor architectures
- tools and methodologies to improve performance
- efficient use of modern C++
- managing memory usage

Parallel programming for scientific applications:

- parallel CPU programming
- floating-point computation
- GPU programming
- cluster computing with MPI

ORGANIZED BY

INFN

in partnership with
NGT Next Generation Triggers

APPLICATIONS AND INFO

esc.infn.it