

# Debugging and Optimization of Scientific Applications

14th-16th March 2022

Online event

Teachers: (Fabio Affinito, Andrew Emerson, Chiara Latini, Laura Bellentani)

## Agenda del corso

### 14 Marzo

9.30-10.30 Introduction to compute-node architecture

10.30-12.30 Compilers & Optimization part 1

14.30-16.30 Compilers & Optimization part 2

16.30-17.30 CINECA HPC environment & RCM

### 15 Marzo

9.30-10.30 Introduzione a LIKWID

10.30-12.30 Performance modeling and roofline model

14.00-16.30 Debugging techniques & FPE

16.30-17.30 Totalview

### 16 Marzo

9.30-10.30 Performance profiling

10.30-12.30 Profiling with TAU and Nsight

14.30-16.30 Hands-on

16.30-17.30 Conclusioni