



Cineca Prepares for Exascale Computing with the Marconi Supercomputer

Cineca is a non-profit consortium of Italian universities, research institutions, and the Italian Ministry of Education. Cineca's long-term roadmap includes delivering Exascale computing by 2022. To support its aggressive plans, critical stakes in advanced research projects and a philosophy to always stay on the leading competitive edge of High Performance Computing (HPC), Cineca needed to build powerful, next-generation HPC resources for a wide range of workloads. The Marconi supercomputer was built on Intel® Xeon Scalable processors and Intel® Omni-Path Architecture fabric to support some of the most advanced research in material science, astrophysics, engineering, bioinformatics, weather and climate, and other fields. Marconi has consistently placed in the top 20 supercomputers on the Top500.



“At Cineca, we always try to stay on the competitive edge with advanced computing resources. Marconi was Cineca's first step in its roadmap to achieve Exascale computing by 2022.”

Professor Carlo Cavazzoni,
R&D Director at SCAI, Cineca

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