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Il supercomputer Leonardo al Tecnopolo di Bologna e gli sviluppi futuri del CINECA

Tuesday, 24 May 2022 15:00 (30 minutes)

CINECA, established in 1969, is a non-profit consortium of 70 Italian Universities, 9 national research institutions, and the Ministry of Education, University and Research (MIUR). Cineca is the largest Italian supercomputing centre with an HPC environment equipped with cutting-edge technology and highly qualified personnel which cooperates with researchers in the use of the HPC infrastructure, in both the academic and industrial fields. Cineca's mission is to enable the Italian and European research community to accelerate scientific discovery using HPC resources in a profitable way, exploiting the newest technological advances in HPC, data management, storage systems, tools, services, and expertise at large.

In this talk, it will be presented the new technologies that CINECA will install in the next months becoming largely available to Italian research organizations. Recently, Cineca has been selected as a hosting entity of one of the future EuroHPC precursors to exascale European supercomputers, in this talk will be presented the pre-exascale HPC system, called Leonardo, that will become available in the months at the Bologna Tecnopole. To conclude, it will be shown the future evolution of CINECA's infrastructure roadmap and it will be introduced the data center facility of Leonardo located at the Tecnopole.

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