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Dipartimento di Ingegneria "Enzo Ferrari"

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# High Performance Computing and Cloud Computing, key enablers for digital transformation

Seminar organized as part of the  
Big Data management and Governance Course

**Thursday December 23<sup>rd</sup> 2021**

**9.00 – 11.00**

**Room P1.3**

**Via Pietro Vivarelli 10 – Modena**

**Presenters:** Carlo Cavazzoni and Luigi Capone of Leonardo S.p.A.

## **Seminar abstract**

HPC is a tool to process BigData, enable AI and perform simulations, and more often it is combined with Cloud Computing services (virtual machines and containers especially popular for BigData and AI frameworks). HPC can accelerate the creation of value thanks to the capability to generate new knowledge and perform more accurate predictions (e.g. developing Digital Twins). Whereas computational capacity is a fundamental resource for competitiveness, the software is the key to unlock the value. This is why, beside the supercomputer, we need to create the capability to implement applications or improve the already existing one.

In the talk we will present how Leonardo with the key contribution of the HPC Lab, intends to implement leadership software tools and computational infrastructure able to add value to the company, and ultimately transform it, to be more digital and sustainable.

[Click Here to follow the seminar on Microsoft Teams](#)