



● Università
● degli Studi
della Campania
Luigi Vanvitelli

Scuola Politecnica e
delle Scienze di Base
Dipartimento di Ingegneria

AVVISO DI SEMINARIO

per il Corso di

HIGH PERFORMANCE AND CLOUD COMPUTING

Ingegneria Informatica Magistrale

e per i Corsi di Dottorato in

INGEGNERIA INDUSTRIALE E DELL' INFORMAZIONE

Ed AMBIENTE, DESIGN ED INNOVAZIONE

Il 6 Giugno 2019, alle ore **17:30** presso l'**Aula del Consiglio** della Scuola, sita in via
Roma n. 29 – Aversa

Prof. Domenico Talia
Università della Calabria

terrà un seminario su:

Programming Tools and Services for Big Data Analysis and Machine Learning on Clouds

Extracting useful information from data is often a complex task that can be conveniently modeled as a data analysis workflow combining distributed datasets, preprocessing tools, data mining algorithms and knowledge models. Efficient systems are required for the scalable execution of data analysis workflows by exploiting the computing services of Cloud platforms. In this talk we discuss programming tools and services for data analysis on Clouds. In particular, we present the Data Mining Cloud Framework (DMCF), a programming and runtime system for enabling the scalable execution of data analysis workflows on Cloud platforms. The runtime fully exploits Cloud services to enable workflow execution on multiple virtual machines. This approach reduces the turnaround times of complex data analysis and machine learning workflows. A description of the visual and textual programming interfaces, the system architecture and its execution mechanisms are outlined.

Il Docente
Prof. Beniamino Di Martino