



Università  
degli Studi  
della Campania  
*Luigi Vanvitelli*

**Dipartimento di Ingegneria –  
Scuola Politecnica e delle Scienze di Base**



ORDINE DEGLI  
**INGEGNERI**  
DELLA PROVINCIA  
DI CASERTA

## **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 4 Giugno 2018, dalle ore 14:30 alle ore 16:00 presso l'Aula Magna della Scuola, sita in  
via Roma n. 29 – Aversa**

**Prof. Dieter Kranzmueller**

*Ludwig-Maximilians-Universität Munich (LMU)*

*Chair of the Board of Directors of the Leibniz Supercomputing Centre ([LRZ](#))*

terrà un seminario su:

# ***Smart Scaling for High Performance Computing: SuperMUC-NG at the Leibniz Supercomputing Centre (LRZ)***

High Performance Computing (HPC) represents a competitive advantage for science and research, as it evolves over time and allows unprecedented levels of performance to attack computational problems. The German Smart Scaling initiative takes this idea further into the future by pushing the capability of systems towards exascale. The next supercomputer at the Leibniz Supercomputing Centre (LRZ), codename SuperMUC-NG, is on the trajectory to this ambitious goal, which can only be achieved if users needs are balanced with optimal usage of technology. It is interesting to note that - in contrast to other systems in that range - SuperMUC-NG will be a general purpose architecture, providing highest performance to a broad range of different applications. At the same time, energy efficiency measures such as hot water cooling are pushed across today's limits. Once SuperMUC-NG is available to its scientific users, we expect another substantial advancement for computational science.

Il Docente

Prof. Beniamino Di Martino