

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 24 Gennaio 2020, alle ore 15:30 presso l'Aula Magna della Scuola, sita in via
Roma n. 29 – Aversa**

Prof. Eduard Mehofer
University of Vienna
Faculty of Computer Science

terrà un seminario su:

High Performance Computing and Heterogeneous Hardware Systems: Optimizing Execution Time and Power Consumption

Heterogeneous hardware systems with different types of compute devices have grown steadily in the field of high performance computing over the past years. Time-efficient distribution of work onto heterogeneous devices is much more challenging than in the homogeneous case. In addition to runtime efficiency, heterogeneous devices raise a second issue – energy efficiency. Optimizing in one direction neglecting the other one is not adequate for such an environment. In this talk we analyse this multi-objective optimization problem in detail and present optimal solutions with respect to runtime efficiency and energy efficiency.

Il Docente
Prof. Beniamino Di Martino