

MHPC 2015 – Graduation

List of students

**1. Aguilar Mena Jimmy**

Supervisor: S. Pilati

Analysis of Hybrid Parallelization Strategies: Simulation of Anderson Localization and Kalman Filter for LHCb Triggers

**2. Bardelloni Mauro**

Supervisor: L. Heltai

High Performance Programming Paradigms Applied to Computational Fluid Dynamic Simulations

**3. Baricevic Moreno**

Supervisor: S. Cozzini

Application-Level Energy Profiling: the Co.S.In.T. Case Study

**4. Borelli Marco**

Supervisor: A. Laio

High-performance implementation of the Density Peak clustering algorithm

**5. Giuliani Nicola**

Supervisor: L. Heltai

Towards Exascale BEM simulations: Hybrid Parallelisation Strategies for Boundary Element Methods

**6. Pascolo Eric**

Supervisor: C. Solidoro

Shyferm Parallelization: An innovative task approach for coastal environment FEM software

**7. Piani Stefano**

Supervisor: S. Cozzini

A computational ecosystem for near real-time satellite data processing

**8. Posada Correa Edwin Fernando**

Supervisor: G. P. Brandino

Improving Performance of Basis-Set-Free Hartree-Fock Calculations Through Grid-Based Massively Parallel Techniques

**9. Tezzele Marco**

Supervisor: L. Heltai / N. Cavallini Isogeometric Analysis in HPC: Object Oriented Design and Open Source Massively Parallel Implementation

**10. Romor Leonardo**

Supervisor: A. Treves / G. P. Brandino / V. Boboeva

Performance-driven refactoring of Potts associative memory network model