

Managing and Using Parallel Platforms

Universidad de Murcia

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Participants

- Luís Pedro García (Univ. Pol. de Cartagena)
- José Juan López (Univ. Miguel Hernández)
- Pedro Rojo (Univ. De Murcia)
- Miguel Bernabéu (Univ. Politécnica de Valencia)
- Pedro Alonso (Univ. Politécnica de Valencia)
- Emmanuel Jeannot (INRIA)

Participants

- Luís Pedro García
 - Laboratory Technician at the UPCT
 - Ph. D. Student: hierarchy of linear algebra libraries on heterogeneous systems
 - Platform: prometeo, an AlphaServer HPC160
 - 4 nodes
 - 4 processor EV68CB, 1 Ghz, per node
 - Calculation capacity: 32 Gflops

Participants

- José Juan López
 - Assistant Lecturer at the UMH
 - Ph. D. Student :Solution of simultaneous equation models on high-performance systems
 - Platform: Marenostrum
 - The most powerful supercomputer in Europe
 - 10.240 processors
 - Calculation capacity: 94.21 Teraflops.

Participants

- Pedro Rojo
 - Assistant Lecturer at the UMU
 - Ph. D. Student: Scheduling of parallel jobs over multi-cluster or grid environments
 - Platform: SOL
 - Heterogeneous cluster
 - 5 nodes
 - 3 of them with 4 cores
 - 2 of them with 2 cores
 - The cores are Intel Xeon 3 GHz

Participants

- Miguel Bernabéu
 - Ph. D. Student at the UPV
 - Main Research interests:
 - Linear Algebra
 - Heterogeneous Parallel Computing
 - Platform: Rosebud
 - Heterogeneous cluster
 - 6 nodes:
 - 2 Pentium IV
 - 2 biprocessors Xeon
 - 2 tetraprocessors Itanium II Montecito Dual-Core
 - 2 interconexion networks:
 - Gigabit Ethernet
 - Ethernet

Participants

- Pedro Alonso
 - Lecturer at the UPV
 - Main Research interests:
 - In charge of the researching subject “Heterogeneous Parallel Computing” at the UPV
 - HeteroScaLAPACK
 - Platform: The hlc cluster
 - Heterogeneous cluster
 - 16 Nodes
 - Celeron, Pentium 4, Xeon, and AMD processors
 - Network: two Cisco 24+4 port Gigabit switches

Participants

- Emmanuel Jeannot
 - Researcher at [INRIA](#). Working at the [LORIA](#) laboratory
 - Main research interests: Scheduling for heterogeneous environments and grids, data redistribution, grid computing software, adaptive online compression and programming models
 - Platform: GRID'5000
 - A highly reconfigurable, controllable and monitorable experimental Grid platform
 - 9 sites geographically distributed in France
 - Featuring a total of 5000 CPUs.
 - He is responsible of the [Nancy site](#) which hosts 2 clusters (96 and 240 CPUs).