Emerging Technologies for Artificial Intelligence

The goal of our research group is to explore the future of computing by performing high-level research in today's IT applications that have to deal with critical challenges in areas such as Artificial Intelligence, Big Data, Cloud Computing, High Performance Computing and Sustainable Computing.

Objectives

- The group is conducting research on intelligent resource management policies and mixes our extended experience in High Performance Computing with Advanced Analytics fields.
- In these research fields the team produces top research publications as well as software components and resource management policies that can be applied at middleware level in order to improve their adaptability, efficiency and productivity.
- The group targets execution platforms composed of high-productivity heterogeneous multi-core systems with accelerators and advanced storage architectures deployed in large-scale distributed environments.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación