

Parallel and Distributed Systems

Course Description

Acquaintance with new technologies of parallel and distributed systems. Study of current problems in widely distributed systems and indicators to assess the parallel structures. Study of cluster systems and computer programs specific to cluster systems. The study of GRID-specific concepts: GRID hierarchical architecture; protocols, services and interfaces for GRID systems; the abstract management model for GRID systems; GRID connectivity; resource sharing and coordination of multiple resources. Study of Peer to Peer Systems – P2P and introduction to cloud computing.