In this paper, the proposed model schedule user tasks using multiple scheduling algorithms based on grid computing middleware. The presented proposed model based on two resolution methods. This allowed us to increase utilization of global scheduler and decrease makespan at local scheduler. This has been applied on grid computing simulator and experimental results indicate that heuristic algorithms decrease waiting time at global scheduler in grid architecture.

References

- C. Castillo, G. N. Rouskas, and K. Harfoush, "Efficient resource management using advance reservations for heterogeneous grids", in IPDPS’08: IEEE
Improving Grid Computing Scheduling using Heuristic Algorithms


Index Terms

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Grid computing  heuristic algorithms  scheduling.