Abstract

Several strategies and approaches have been proposed to provide quality solutions for the grid job scheduling problem. Recently population based heuristics approaches are used widely to solve this problem. These approaches have demonstrated a surprising degree of effectiveness for handling combinatorial optimization problems. In this paper, the population based approaches for grid job scheduling have been studied. The focus was on investigating the criteria that help in the selection of the best scheduling algorithm for a certain type of grid and also shedding the light on how to improve the available population based approaches.
Population based Heuristic Approaches for Grid Job Scheduling

Optimization Approach for Grid Job Scheduling.

**Index Terms**

Computer Science  
Artificial Intelligence

**Keywords**

Genetic algorithms  
Particle swarm optimization  
Ant colony optimization  
Artificial bee colony  
Grid job scheduling.