

Simulated annealing for project scheduling with limited resources

Summary

In this paper resource-constrained project scheduling problem with optimisation criterion of minimising makespan is presented. To solve the problem is applied simulated annealing algorithm, whose effectiveness is tested using standard test instances. Experiments are performed with different configurations algorithm to determine the best parameters: cooling schemes, search techniques (moves), schedule generation schemes.

Keywords – simulated annealing, resource-constrained project scheduling, schedule generation schemes