

# Ants can schedule software projects

Crawford B.

Soto R.

Johnson F.

Monfroy E.

This paper presents the design of an algorithm based on Ant Colony Optimization paradigm to solve the Software Project Scheduling Problem. This problem consists in deciding who does what during the software project development, finding an optimal schedule for a project so that the precedence and resource constraints are satisfied and the final project cost and its duration are minimized. We present the design of an general ant algorithm to solve it. © Springer-Verlag Berlin Heidelberg 2013.

Ant colony optimization

Project management

Software engineering

Software project scheduling problem

Ant colony optimization

Artificial intelligence

Project management

Scheduling

Software engineering

Ant algorithms

Optimal schedule

Project cost

Resource Constraint

Software project

Software Project Scheduling

Algorithms