

Home 17 More



Add new

Search

Article

Constraint Programmin and GRASP Approaches to Schedule Oil Well Drillings

Invalid date



Romulo Albuquerque Pereira
Not on ResearchGate



Arnaldo Moura
20.94 · University of Campinas



Cid C. de Souza
27.68 · University of Campinas

Abstract

In the process of drilling oil wells, it is necessary to schedule resources, such as oil derricks and boats, in order to execute development activities that prepare promising wells for oil extraction. The scheduling of such activities must satisfy a variety of constraints and must attain some objective criteria, such as maximizing oil production. In this paper, we discuss a greedy randomized adaptive search procedure (GRASP) algorithm for the scheduling of oil well drilling...

Do you want to read this article?

Request the full-text to ask the authors to provide the full-text version.

Discuss publications directly with the authors and other experts by adding your comments here.



Citations 0

References 35

Comments Add yours

AN UPDATED BIBLIOGRAPHY OF GRASP

Article · Jan 2005

 MAURICIO G. C. RESENDE  PAOLA FESTA

[Request full-text](#)

0 Comments 22 Citations

Introduction to Algorithms—A Creative Approach

Article · Jan 1989

 Udi Manber

[Request full-text](#)

0 Comments 356 Citations



Tabu Search: A Tutorial

Full-text available · Article · Aug 1990 · Interfaces

 Fred Glover

Facility-Wide Planning and Scheduling of Printed Wiring Board Assembly

Full-text available · Article · Apr 1995 · Operations Research

 Thomas A. Feo  Jonathan F. Bard  Scott D. Holland

[View full-text](#)

0 Comments 33 Citations

Tabu search part II

File available · Data · Jan 2013

 Fred Glover

[View file](#)

0 Comments 1877 Citations

A GRASP for scheduling printed wiring board assembly

Full-text available · Article · Feb 1996 · IIE Transactions

 THOMAS A. FEO  JONATHAN F. BARD  SCOTT D. HOLLAND

[View full-text](#)

0 Comments 28 Citations

A greedy randomized adaptive search procedure for job shop scheduling

Full-text available · Article · Jan 2001

 S Binato  W J Hery  D M Loewenstern  And M G C Resende

[View full-text](#)

0 Comments 89 Citations

Ant system for job-shop scheduling

Full-text available · Article · Jan 1994

 Alberto Colorni  Marco Dorigo  Vittorio Maniezzo  Marco Trubian

An annotated bibliography of GRASP–Part II: Applications

Article · Mar 2009 · International Transactions in Operational Research



 Paola Festa  Mauricio G. C. Resende

[Request full-text](#)

0 Comments 249 Citations

Note---Operations Sequencing in Discrete Parts Manufacturing

Full-text available · Article · Feb 1989 · Management Science

 Jonathan F. Bard  Thomas A. Feo

[View full-text](#)

0 Comments 51 Citations

Flight Scheduling and Maintenance Base Planning

Full-text available · Article · Dec 1989 · Management Science




 Thomas A. Feo  Jonathan F. Bard

[View full-text](#)

0 Comments 159 Citations

Greedy Randomized Adaptive Search Procedures

Full-text available · Chapter · Jan 2006

 Francisco R. Angel-Bello  José Luis González-Velarde  Ada M. Alvarez

[View full-text](#)

0 Comments 885 Citations

A search heuristic for just-in-time scheduling in parallel machines

Article · Aug 1991 · Journal of Intelligent Manufacturing

 Manuel Laguna  José Luis González Velarde

A Probabilistic Heuristic for a Computationally Difficult Set Coving Problem

Article · Apr 1989 · Operations Research Letters

 Thomas A Feo  Mauricio G.C Resende

[Request full-text](#)

0 Comments 761 Citations

A GRASP for a Difficult Single Machine Scheduling Problem

Article · Dec 1991 · Computers & Operations Research




 Thomas A. Feo  Krishnamurthi Venkatraman  Jonathan F. Bard

[Request full-text](#)

0 Comments 99 Citations

Solving a generalized model for CON due date assignment and sequencing

Article · Mar 1994 · International Journal of Production Economics

 Prabuddha De  Jay B. Ghosh  Charles E. Wells

[Request full-text](#)

0 Comments 30 Citations

Solving Very Large Crew Scheduling Problems to Optimality.

Conference Paper · Jan 2000

 Tallys H. Yunes  Arnaldo Vieira Moura  Cid C. de Souza

[Request full-text](#)

0 Comments 15 Citations

A Hybrid Approach for Solving Large Scale Crew Scheduling Problems

Full-text available · Conference Paper · Jan 2000 · International Symposium on Practic...

 Tallys H. Yunes  Arnaldo Vieira Moura  Cid C. de Souza

Tabu search I

Full-text available · Book · Jan 1999



 Fred Glover  Manuel Laguna

[View full-text](#)

1 Comment 3034 Citations

Heuristics for the flow line problem with setup costs

Article · Oct 1998 · European Journal of Operational Research





 Roger Z. Ríos-Mercado  Jonathan F. Bard

[Add full-text](#)

0 Comments 82 Citations

Introduction to Algorithms, Second Edition

Book · Jan 2001

 Thomas H. Cormen  Charles E. Leiserson  Ronald L. Rivest  Clifford Stein

[Request full-text](#)

0 Comments 11121 Citations

Ant Algorithms for Discrete Optimization.” *Artificial Life* 5, 137-172

Full-text available · Article · Apr 1999 · Artificial Life

 Marco Dorigo  Gianni Di Caro  Luca Maria Gambardella

[View full-text](#)

0 Comments 1936 Citations


A GRASP for single machine scheduling with sequence dependent setup costs and linear delay penalties

Article · Sep 1996 · Computers & Operations Research

[Request full-text](#)

Principles of the DelPhi Parallel Inference Machine.

Full-text available · Article · Oct 1987 · The Computer Journal

 W. F. Clocksin

0 Comments 41 Citations

[View full-text](#)

Effective Heuristic Procedures for a Field Technician Scheduling Problem

Article · Sep 2001 · Journal of Heuristics

 Jiyang Xu  Steve Y. Chiu

0 Comments 54 Citations

[Request full-text](#)

Constraint logic programming /

Article ·

 Chen  Boon Khing

0 Comments 960 Citations

[Request full-text](#)

Ant System: Optimization by a colony of cooperating agents. IEEE Trans Syst Man Cybernetics - Part B


Full-text available · Article · Feb 1996 · IEEE TRANSACTIONS ON CYBERNETICS

 Marco Dorigo  Vittorio Maniezzo  Alberto Colorni

0 Comments 6850 Citations

[View full-text](#)

Optimal design of signaling networks for Internet telephony


 S. Naqvi

[View full-text](#)

0 Comments 15 Citations

Implementation of Resource Constraints in ILOG SCHEDULE: A Library for the Development of Constraint-Based Scheduling Systems¹

Article · Feb 1994 · Intelligent Systems Engineering

 Claude le Pape

[Request full-text](#)

0 Comments 169 Citations

Power Transmission Network Design by Greedy Randomized Adaptive Path Relinking

Full-text available · Article · Mar 2005 · IEEE Transactions on Power Systems


 H. Faria Jr  Silvio Binato  Mauricio G C Resende  D.M. Falcao

[View full-text](#)

0 Comments 68 Citations

Depth-bounded Discrepancy Search

Article · Apr 2002

 Toby Walsh

[Request full-text](#)

0 Comments 156 Citations

Article · May 1995

 William D. Harvey  Matthew L. Ginsberg

[Request full-text](#)

0 Comments 589 Citations

A GRASP Heuristic for the Capacitated Minimum Spanning Tree Problem Using a Memory-Based Local Search Strategy

Full-text available · Article · Jan 2003

 Mauricio C. De Souza  Christophe Duhamel  Celso C. Ribeiro

[View full-text](#)

0 Comments 34 Citations

A Grasp for Job Shop Scheduling

Full-text available · Article · Apr 2000 · Operations Research/ Computer Science Interfa...





 S. Binato  W. J. Hery  D. M. Loewenstern

[View full-text](#)

0 Comments 124 Citations

Constraint Logic Programming for Scheduling and Planning

Full-text available · Article · Dec 1997

 Jonathan Lever  Mark Wallace  Barry Richards  Sw Az

[View full-text](#)

0 Comments 48 Citations

Data provided are for informational purposes only. Although carefully collected, accuracy cannot be guaranteed. Publisher conditions are provided by RoMEO. Differing provisions from the publisher's actual policy or licence agreement may be applicable.

This publication is from a journal that may support self archiving. [Learn more](#)

