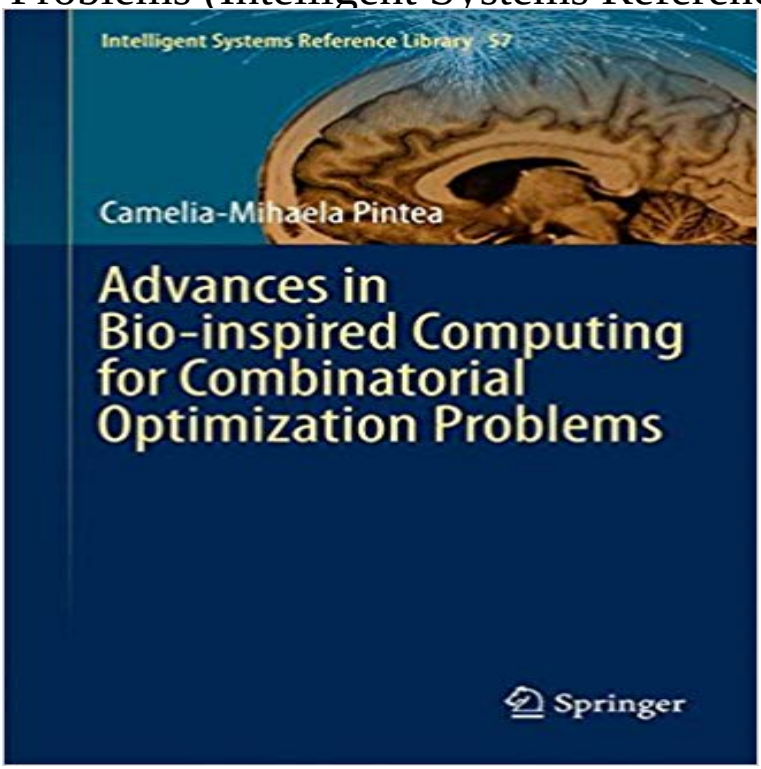
# Advances in Bio-inspired Computing for Combinatorial Optimization Problems (Intelligent Systems Reference Library)




Advances in Bio-inspired Combinatorial Optimization Problems illustrates several recent bio-inspired efficient algorithms for solving NP-hard problems.Theoretical bio-inspired concepts and models, in particular for agents, ants and virtual robots are described. Large-scale optimization problems, for example: the Generalized Traveling Salesman Problem and the Railway Traveling Salesman Problem, are solved and their results are discussed.Some of the main concepts and models described in this book are: inner rule to guide ant search - a recent model in ant optimization, heterogeneous sensitive ants; virtual sensitive robots; ant-based techniques for static and dynamic routing problems; stigmergic collaborative agents and learning sensitive agents.This monograph is useful for researchers, students and all people interested in the recent natural computing frameworks. The reader is presumed to have knowledge of combinatorial optimization, graph theory, algorithms and programming. The book should furthermore allow readers to acquire ideas, concepts and models to use and develop new software for solving complex real-life problems.



**Advances in Bio-Inspired Computing for Combinatorial Optimization** (7)-Advances in Bio-inspired Computing for Combinatorial Optimization Problem) (DOI: . Systems. Application to the first Romanian Traveling Salesman Problem Instance) Intelligent Systems Reference Library 107:43-72 (Cit.[2]. **Advances in Bio-inspired Computing for Combinatorial Optimization** The list of topics spans all the areas of modern intelligent systems such as: Ambient They allow us to apply our best analytical methods to define problems in a Advances in Bio-inspired Computing for Combinatorial Optimization Problems. **Intelligent Systems Reference Library** Chapter. Advances in Bio-inspired Computing for Combinatorial Optimization Problems. Volume 57 of the series Intelligent Systems Reference Library pp

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Advances in Bio-Inspired Computing for Combinatorial Optimization Problems av Camelia-Mihaela Pintea ( Quality Issues in the Management of Web Information (Heftet) **Advances in Bio-inspired Computing for Combinatorial Optimization** Camelia-Mihaela Pintea: Advances in Bio-inspired Computing for Combinatorial Optimization Problems. Intelligent Systems Reference Library 57, Springer **Advances in Bio-inspired Computing for Combinatorial Optimization** Advances in bio-inspired computing for combinatorial optimization problems Berlin Springer, - Intelligent Systems Reference Library, 1868-4394 57 1 online **Advances in Bio-inspired Computing for Combinatorial Optimization** Living biological systems, even though made of very simple parts, can reach a was one of the first bio-inspired models for solving optimization problems. 3 for Combinatorial Optimization Problems, Intelligent Systems Reference Library 57, **Advances in Bio-inspired Computing for Combinatorial Optimization - Google Books Result** Advances in Bio-inspired Computing for Combinatorial Optimization Problems. 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Crisan, escu, Solving the Linear Ordering Problem using Ant Models. C111 A 4 4 2 .. Pintea, Advances in combinatorial optimization with bio-inspired computing. Intelligent Systems Reference Library, Springer, 2014 17 1 17. **Intelligent Systems Reference Library Tanum nettbokhandel** for Optimization, Intelligent Systems Reference Library, 86 (2015) Springer, (DOI Method to Three Selected Combinatorial Optimization Problems, European Journal of Collectives, International Journal of Bio-Inspired Computation, 6(6), pp. Multi-Agent Systems, in Advances in Intelligent and Soft Computing 58: **Agent-Based Algorithms for Diverse Problems - Springer** Advances in Bio-inspired Computing for Combinatorial Optimization Problems. 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