

Contents

Finding Uniquely Hamiltonian Graphs of Minimum Degree Three with Small Crossing Numbers.	1
<i>Benedikt Klocker, Herbert Fleischner, and Günther R. Raidl</i>	
Construct, Merge, Solve and Adapt: Application to Unbalanced Minimum Common String Partition.	17
<i>Christian Blum</i>	
Variable Neighbourhood Descent with Memory: A Hybrid Metaheuristic for Supermarket Resupply	32
<i>Philip Mourdjis, Yujie Chen, Fiona Polack, Peter Cowling, and Martin Robinson</i>	
Hybridization as Cooperative Parallelism for the Quadratic Assignment Problem	47
<i>Danny Munera, Daniel Diaz, and Salvador Abreu</i>	
Investigating Edge-Reordering Procedures in a Tabu Search Algorithm for the Capacitated Arc Routing Problem.	62
<i>Wasin Padungwech, Jonathan Thompson, and Rhyd Lewis</i>	
Multi-chaotic Approach for Particle Acceleration in PSO	75
<i>Michal Pluhacek, Roman Senkerik, Adam Viktorin, and Ivan Zelinka</i>	
Districting and Routing for Security Control.	87
<i>Michael Prischink, Christian Kloimüller, Benjamin Biesinger, and Günther R. Raidl</i>	
A GRASP/VND Heuristic for a Generalized Ring Star Problem	104
<i>Rodrigo Recoba, Franco Robledo, Pablo Romero, and Omar Viera</i>	
Neighborhood Composition Strategies in Stochastic Local Search	118
<i>Janniele A.S. Araujo, Haroldo G. Santos, Davi D. Baltar, Túlio A.M. Toffolo, and Tony Wauters</i>	
A Hybrid Multi-objective Evolutionary Approach for Optimal Path Planning of a Hexapod Robot: A Preliminary Study.	131
<i>Giuseppe Carbone and Alessandro Di Nuovo</i>	
Hybridization of Chaotic Systems and Success-History Based Adaptive Differential Evolution	145
<i>Adam Viktorin, Roman Senkerik, and Michal Pluhacek</i>	

Tabu Search Hybridized with Multiple Neighborhood Structures for the Frequency Assignment Problem	157
<i>Khaled Alrajhi, Jonathan Thompson, and Wasin Padungwech</i>	
The Capacitated m Two-Node Survivable Star Problem: A Hybrid Metaheuristic Approach.	171
<i>Gabriel Bayá, Antonio Mauttone, Franco Robledo, and Pablo Romero</i>	
Robust Berth Allocation Using a Hybrid Approach Combining Branch-and-Cut and the Genetic Algorithm	187
<i>Ghazwan Alsoufi, Xinan Yang, and Abdellah Salhi</i>	
Dealing with the Strategic Level of Decisions Related to Automated Transit Networks: A Hybrid Heuristic Approach	202
<i>Olfa Chebbi and Jouhaina Chaouachi</i>	
DEEPSAM: A Hybrid Evolutionary Algorithm for the Prediction of Biomolecules Structure	218
<i>Moshe Goldstein</i>	
Author Index	223

Hybrid Metaheuristics

10th International Workshop, HM 2016, Plymouth, UK,

June 8-10, 2016, Proceedings

Blesa Aguilera, M.J.; Blum, C.; Cangelosi, A.; Cutello, V.;

DI NUOVO, A.; Pavone, M.; Talbi, E.-G. (Eds.)

2016, XII, 223 p. 70 illus., Softcover

ISBN: 978-3-319-39635-4