

Contents

Fast Output-Sensitive Approach for Minimum Convex Hulls Formation	1
Artem Potebnia and Sergiy Pogorilyy	
Local Search Algorithms for Portfolio Selection: Search Space and Correlation Analysis.	21
Giacomo di Tollo and Andrea Roli	
Optimization of Fuel Consumption in Firefighting Water Capsule Flights of a Helicopter	39
Jacek M. Czerniak, Dawid Ewald, Grzegorz Śmigielski, Wojciech T. Dobrosielski and Łukasz Apiecioneck	
Practical Application of OFN Arithmetics in a Crisis Control Center Monitoring	51
Jacek M. Czerniak, Wojciech T. Dobrosielski, Łukasz Apiecioneck, Dawid Ewald and Marcin Paprzycki	
Forecasting Indoor Temperature Using Fuzzy Cognitive Maps with Structure Optimization Genetic Algorithm	65
Katarzyna Poczęta, Alexander Yastrebov and Elpiniki I. Papageorgiou	
Correlation Clustering by Contraction, a More Effective Method	81
László Aszalós and Tamás Mihálydeák	
Synthesis of Power Aware Adaptive Embedded Software Using Developmental Genetic Programming.	97
Stanisław Deniziak and Leszek Ciopiński	
Flow Design and Evaluation in Photonic Data Transport Network	123
Mateusz Dzida and Andrzej Bąk	

Introducing the Environment in Ant Colony Optimization	147
Antonio Mucherino, Stefka Fidanova and Maria Ganzha	
Fast Preconditioned Solver for Truncated Saddle Point Problem in Nonsmooth Cahn–Hilliard Model.	159
Pawan Kumar	
The Constraints Aggregation Technique for Control of Ethanol Production	179
Paweł Drąg and Krystyn Styczeń	
InterCriteria Analysis by Pairs and Triples of Genetic Algorithms Application for Models Identification.	193
Olympia Roeva, Tania Pencheva, Maria Angelova and Peter Vassilev	
Genetic Algorithms for Constrained Tree Problems	219
Riham Moharam and Ehab Morsy	
InterCriteria Analysis of Genetic Algorithms Performance	235
Olympia Roeva, Peter Vassilev, Stefka Fidanova and Marcin Paprzycki	
Exploring Sparse Covariance Estimation Techniques in Evolution Strategies	261
Silja Meyer-Nieberg and Erik Kropat	
Parallel Metaheuristics for Robust Graph Coloring Problem	285
Z. Kokosiński, Ł. Ochał and G. Chrząszcz	
Author Index	303

Recent Advances in Computational Optimization
Results of the Workshop on Computational Optimization
WCO 2015

Fidanova, S. (Ed.)

2016, X, 303 p. 102 illus., 55 illus. in color., Hardcover

ISBN: 978-3-319-40131-7