1	Rafal Witkowski and Janez Zerovnik	1-local 7/5-competitive Algorithm for Multicoloring Hexagonal Graphs	AA1
2	Sophie Toulouse	Approximability of the Multiple Stack TSP	AA1
3	Laurent Alfandari and J\'er\^ome Monnot	Approximation of the Clustered Set Covering Problem	AA1
4	Vangelis Th. Paschos	Approximation by moderately exponential algorithms	AA1
5	Pei Wang and Gerhard Reinelt	A Heuristic for an Earth Observing Satellite Constellation Scheduling Problem with Download Considerations	ACO1
6	Yann Kieffer and Lilia Zaourar	Optimization for the test of on-chip memories	ACO1
7	Peter Biro and Eric McDermid	Matching with sizes (or scheduling with processing set restrictions)	ACO1
8	Anis Gharbi, Mohamed Naceur Azaiez and Mohamed Kharbeche	Minimizing Expected Attacking Cost in Networks	ACO1
9	Ozgur Ulker and Dario Landa-Silva	A 0/1 Integer Programming Model for the Office Space Allocation Problem	ACO2
10	Svetlana Yaremchuk, Roman Burda	The minimax problem solving of physical fields sources allocation in	ACO2
11	And Oleg Morgalyuk Mathieu Lacroix, A. Ridha Mahjoub and SVebastien Martin	Specified positions Structural Analysis for Differential-Algebraic Systems : Complexity, formulation and facets	ACO2
12	Mustapha Bouhtou, St\'ephane	Submodularity and Randomized rounding techniques applied to Optimal	ACO2
13	Sergiu Carpov, Renaud Sirdey,	Speculative data prefetching for branching structures in dataflow programms	ACO3
	Jacques Carlier and Dritan Nace	Speculative data prefetching for branching structures in datafow programms	7000
14	Ahmad-Saher Azizi-Sultan	Therapy	ACO3
15	Fethi Jarray and Ghassen Tlig	A simulated annealing for reconstructing hv-convexe binary matrices	ACO3
16	Jakub Gladysz and Krzysztof Walkowiak	Combinatorial Optimization of Capacity and Flow Assignment Problem for Unicast and Anycast Connections with Linear and Convex Objective Functions – Exact and Heuristic algorithms	ACO3
17	Giuseppe Bruno and Andrea Genovese	A Mathematical Model for the Optimization of the Airport Check-In Service Problem	ACO4
18	Chaya Losada, Maria Paola Scaparra and Richard L. Church	On a bi-level formulation to protect uncapacitated \$p\$-median systems with facility recovery time and frequent disruptions	ACO4
19	G\¨unter Schmidt, Esther Mohr and Mike Kersch	Experimental Analysis of an Online Trading Algorithm	ACO4
20	Mumtaz Ahmad	Expressing Polynomials as the Permanent of low rank Square Matrices	ACO4
21	Alexandre Freire, Carlos Ferreira, Vicente Acu\~{n}a and Eduardo Moreno	The biclique k-clustering problem in bipartite graphs and its application in bioinformatics	CB1
22	Sharmin Mahfuza, Rukhsana Yeasmin, Masud Hasan, Atif Rahman and M Sohel Rahman	Pancake Flipping with Two Spatulas	CB1
23	Christian Tjandraatmadja and Carlos E. Ferreira	A branch-and-cut approach to the repetition-free longest common subsequence problem	CB1
24	Ana Maria de Almeida, Pedro Martins and Maur\'icio Souza	md-MST is NP-hard for \$d\geq4\$	CC1
25	Cem Evrendilek, Gen\c{c} Burkay and Brahim Hnich	Covering oriented points in the plane with orthogonal polygons is NP- complete	CC1
26	M. Patricia Dobson, Valeria Leoni and Graciela Nasini	The k-limited packing and k-tuple domination problems in strongly chordal, \$P_4\$-tidy and split graphs_	CC1
27	Isabel M\'endez-D\'iaz, Juan Jose Miranda Bront, Gustavo Vulcano and Paula Zabala	A Branch-and-Cut Algorithm for the Latent Class Logit Assortment Problem	CP1
28	Sangho Shim, Ellis Johnson and Wenwei Cao	Primal-dual simplex method for shooting	CP1
29	Sarah Drewes and Sebastian Pokutta	Cutting-planes for weakly-coupled 0/1 second order cone programs	CP1
30	Alberto Caprara, Adam Letchford and Juan Jos\'e Salazar	Lower Bounds for the Minimum Linear Arrangement of a Graph	CP1
31	Ivana Ljubic and Stefan Gollowitzer	Modelling the Hop Constrained Connected Facility Location Problem on Layered Graphs	FL1
32	Roberto Nascimento, Edson Figueiredo and R\'ubia Santos	A Continuous Strategy to Solve a Class of Discrete Optimization Problems	FL1
33	Sourour Elloumi and Agn\`es Plateau	A computational study for the p-median problem	FL1
34	Manoel Camp\ [°] elo and Rlicardo C. Corr\ [°] ea	A Combined Parallel Lagrangian Decomposition and Cutting-Plane Generation for Maximum Stable Set Problems	GC2
35	Aziz Moukrim, Kaoutar Sghiouer,	Lower Bounds for the Minimum Sum Coloring Problem	GC2
36	Ugo Pietropaoli and Sara Nicoloso	Coloring Toeplitz graphs	GC2

37	S\`egla Kpodjedo, Philippe Galinier and Giuliano Antoniol	On the use of similarity metrics for approximate graph matching	GC3
38	Denis Cornaz and Philippe Meurdesoif	The sandwich line graph	GC3
39	Isabel Cristina Lopes and Jos\'e Manuel Val\'erio de Carvalho	An integer programming model for the Minimum Interval Graph Completion Problem	GC3
40	Eric Gourdin	A Mixed Integer Model for the Sparsest Cut problem	GC3
41	Gabriela R. Argiroffo and Silvia M. Bianchi	Row family inequalities for the set covering polyhedron	IS01
42	Gabriela R. Argiroffo, Mariana Escalante and Maria Elisa Ugarte	On the \$k\$-dominating set polytope of web graphs	IS01
43	Holm Eugenia, Luis M Torres and Annegret K, Wagler	On the Chvatal-rank of Antiwebs	IS01
44	Silvia M. Bianchi, Graciela Nasini and Paola Tolomei	The set covering problem on circulant matrices: polynomial instances and the relation with the dominating set problem on webs	IS02
45	Mariana Escalante, Silvia Bianchi and Maria Susana Montelar.	A comparison between lift-and-project indices and imperfection ratio on web graphs	IS02
46	Arnaud P\^echer and Annegret Wagler.	Clique and chromatic number of circular-perfect graphs	IS02
47	Afef Bouzaiene, Najoua Dridi, Mohamed Ali Aloulou and Daniel Vanderpooten	A bicriteria flow-shop scheduling problem with two serial batching machines	IS03
48	Anis Gharbi, Talel Ladhari, Mohamed Kais Msakni and Mehdi Serairi	Polynomial Lower Bounds for the Two-Machine Flowshop Problem with Sequence-Independent Setup Times	IS03
49	Djamal Rebaine	Scheduling flexible flowshops with unit-time operations and minimum time delays	IS03
50	Alexandre Lissy and Patrick Martineau	New scheduling problems coming from grid computing	IS03
51	Dion Gijswijt and Gyula Pap	Fractional matroid matching	IS04
52	Kenji Kashiwabara and Tadashi Sakuma	The positive circuits of oriented matroids with the packing property or idealness	IS04
53	Jon Lee, Maxim Sviridenko and Jan Vondrak	Local Search and Linear-Programming Relaxations for Matroid Matching in Graphs and Hypergraphs	IS04
54	Flavia Bonomo, Guillermo Alfredo Dur\'an, Mart\'in Dar\'io Safe and Annegret K. Wagler	Balancedness of some subclasses of circular-arc graphs	IS05
55	Raphael Machado and Celina de Figueiredo	Total chromatic number of \{square,unichord\}-free graphs	IS05
56	Vin\'icius G. P. de S\'a, Celina M. H. de Figueiredo, Guilherme D. da Fonseca and Raphael S. Machado	Complexity dichotomy on degree-constrained VLSI layouts with unit-length edges	IS05
57	Valeria Leoni, Mar\'ia Patricia Dobson and Graciela Nasini	The computational complexity of the Edge-Perfect Graph and the Totally Balanced Packing Game recognition problems	IS05
58	Hassan Hijazi, Pierre Bonami, G\'erard Cornu\'ejols and Adam Ouorou	Mixed Integer NonLinear Programs featuring "On/Off" constraints: convex analysis and applications	IS06
59	Abdel Lisser and Pablo Adasme	Semidefinite and Conic Programming for Robust wireless OFDMA networks	IS06
60	Michel Minoux and Hac\`ene Ouzia	Using DRL* relaxations for quadratically constrained pseudoboolean optimization: application to robust Min-Cut	IS06
61	Dominique Quadri and Eric Soutif	A roof linearization algorithm to obtain a tight upper bound for integer nonseparable quadratic programming	IS07
62	Fr\'ed\'eric Roupin and J\'er\^ome Malick	Numerical Study of Semidefinite Bounds for the k-cluster Problem	IS07
63	Matthias Maischak, Andreas Krebs and Ernst Stephan	A quadratic programming problem arising from the p-version for obstacle problems	IS07
64	Yerim Chung, Jean-François Culus and Marc Demange	On Inverse Chromatic Number problems	IS08
65	Johannes Hatzl	The 1-Median Problem in Rd with the Chebyshev-Norm and its Inverse Problem	IS08
66	Mohammadreza Galavii	The inverse 1-median problem on a tree and on a path	IS08
67	Rainer Burkard and Behrooz Alizadeh	Inverse center location problems	IS08
68	Tibor Szkaliczki, Michael Eberhard, Hermann Hellwagner and L\'aszl\'o Szobonya	Piece Selection Algorithm for Layered Video Streaming in P2P Networks	IS09
69	Peter Laborczi, Balazs Mezny, Attila Torok and Zoltan Ruzsa	Query-based Information Gathering in Intelligent Transportation Systems	IS09

70	D\'avid Szeszl\'er	Additive Approximation for Layer Minimization of Manhattan Switchbox Routing	IS09
71	Gabor Salamon	A Survey on Algorithms for the Maximum Internal Spanning Tree and Related Problems	IS09
72	H. Murat Afsar	A Branch-and-Price Algorithm for Capacitated Arc Routing Problem with Flexible Time Windows	IS10
73	Ga\ [~] el Sauvanet and Emmanuel N\'eron	Search for the best compromise solution on multiobjective shortest path problem	IS10
74	Nora Touati Moungla, Lucas L\'etocart and Anass Nagih	An improving dynamic programming algorithm to solve the shortest path problem with time windows	IS10
75	Kanstantsin Pashkovich , Volker Kaibel and D. O. Theis	Symmetry matters for the sizes of extended formulations	IS11
76	Gianpaolo Oriolo, Yuri Faenza and Gautier Stauffer	The stable set polytope of the composition of strips	IS11
77	Marta Casetti, Julian Merschen and Bernhard von Stengel	Finding Gale Strings	IS11
78	Volker Kaibel and A. Andreas Loos	Polyhedral branching systems	IS11
79	Matteo Fischetti and Andrea Lodi	On the knapsack closure of 0-1 Integer Linear Programs	IS12
80	C\'edric Joncour, Sophie Michel, Ruslan Sadykov, Dimitri Sverdlov and Francois Vanderbeck	Column Generation based Primal Heuristics	IS12
81	J\¨org Rambau and Konrad Schade	The Stochastic Guaranteed Service Model with Recourse for Multi-Echelon Warehouse Management	IS12
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83	Luis M Torres and Annegret K Wagler	Model reconstruction for discrete deterministic systems	IS13
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85	Olivier Klopfenstein and Hassan Hijazi	Optimal routing for minimizing the maximal link congestion	IS14
86	Mateusz Zotkiewicz, Walid Ben-Ameur and Michal Pioro	Failure disjoint paths	IS14
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88	Amaro de Sousa, Dorabella Santos, Pedro Matos and Joaquim Madeira	Load Balancing Optimization of Capacitated Networks with Path Protection	IS14
89	Christian Artigues, Nicolas Jozefowiez and Mohamed-Ali Aloulou	An exact method for the bi-objective one-machine problem with maximum lateness and unit family setup cost objectives	IS15
90	Adrien Bellanger, Ammar Oulamara and Mikail Kovalyov	Minimizing total completion time on a batching machine with job processing time compatibilities	IS15
91	Mohamed Kharbeche, Jacques Carlier, Mohamed Haouari and Aziz Moukrim	Exact Method for Robotic Cell Problem	IS15
92	Anis Gharbi and Mohamed Labidi	Extending the Single Machine-Based Relaxation Scheme for the Job Shop Scheduling Problem	IS15
93	Tam\'as Fleiner and Andr\'as Frank	Balanced list edge-colourings of bipartite graphs	IS16
94	A. Ridha Mahjoub and S. Thomas McCormick	Separation Algorithms for Single-Machine Scheduling with Precedence Constraints	IS16
95	Bal\'azs Dezs\"o, Alp\'ar J\``uttner and P\'eter Kov\'acs	Column generation method for an agent scheduling problem	IS16
96	Gyula Y. Katona, Ervin Gy∖¨ori and Nathan Lemons	Hypergraph Extensions of the Erd\¨os-Gallai Theorem	IS17
97	Tam\'as Fleiner	On stable matchings and flows	IS17
98	Alexander A. Ageev, Andr\'as Seb\"o, Zolt\'an Szigeti	An Excluded Minor Characterization of Seymour Graphs	IS17
99	Jack Edmonds and Laura Sanit\'a	On Finding Another Room-Partitioning of the Vertices	IS18
100	Jack Edmonds	Euler Complexes (Oiks)	IS18
101	Jack Edmonds, Stephane Gaubert and Vladimir Gurvich	Sperner Oiks	IS18
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103	Andrew J. Miller, Mahdi Namazifar and Pietro Belotti	Valid Inequalities and Convex Hulls for Multilinear Functions	IS19

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105	Alberto Costa, Leo Liberti and Pierre Hansen	Formulation symmetries in circle packing	IS19
106	Valeria Leggieri, Mohamed Haouari and Chefi Triki	An Exact Algorithm for the Steiner Tree Problem with Delays	IS20
107	Roberto Montemanni and Valeria Leggieri	An exact algorithm for the minimum power multicasting problem in wireless sensor networks	IS20
108	Janos Barta, Valeria Leggieri, Roberto Montemanni, Paolo Nobili and Chefi Triki	Some Valid Inequalities fo the Probabilistic Minimum Power Multicasting Problem	IS20
109	Mohamed Haouari, Safa Bhar and Hanif D. Sherali	Strength of Three MIP Formulations for the Prize Collecting Steiner Tree Problem with a Quota Constraint	IS20
110	Makram Zaidi, Bassem Jarboui, Imed Kacem and Taicir Loukil	Hybrid meta-heuristics for minimizing the total weighted completion time on uniform parallel machines	IS21
111	Cheikh Mohamed, Loukil Ta\¨icir and Jarboui Bassem	A genetic algorithms to solve the bicriteria shortest path problem	IS21
112	Emna Dhouib, Jacques Teghem and Ta\¨icir Loukil	A simulated annealing algorithm for the flowshop scheduling problem with time lags constraints minimizing the number of tardy jobs	IS21
113	Semya Elaoud, Jacques Teghem and Taicir loukil	Multiple crossover genetic algorithm for the multiobjective traveling salesman problem	IS21
114	Eduardo Moreno, Daniel Espinoza and Marcos Goycoolea	Large-scale multi-period precedence constrained knapsack problem: A mining application	KP1
115	Mhand Hifi and Hedi Mhalla	Sensitivity Analysis to Perturbations of the Weight of a Subset of Items: The Single Knapsack Case Study	KP1
116	Alexandre Cunha, Laura Bahiense, Abilio Lucena and Cid de Souza	A new Lagrangian based Branch-and-bound algorithm for the 0-1 Knapsack Problem	KP1
117	Leonid Hulianytskyi and Sergii Sirenko	Cooperative model-based metaheuristics	M1
118	Majid Salari, Zahra Naji-Azimi and Paolo Toth	A Variable Neighborhood Search and its Application to a Ring Star Problem Generalization	M1
119	Said Hanafi, Jasmina Lazic, Nenad Mladenovic, Christophe Wilbaut and Igor Crevits	Hybrid Variable Neighbourhood Decomposition Search for 0-1 Mixed Integer Programming Problem	M1
120	Said Hanafi, Jasmina Lazic and Nenad Mladenovic	Variable Neighbourhood Pump Heuristic for 0-1 Mixed Integer Programming Feasibility	M1
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122	Pablo Maya, Kenneth Sorensen and Peter Goos	An efficient metaheuristic to improve accessibility by rural road network planning	M2
123	Houda Derbel, Bassem Jarboui, Said Hanafi and Habib Chabchoub	An Iterated Local Search for Solving A Location-Routing Problem	M2
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126	Saoussen Krichen and Nadia Dahmani	A particle swarm optimization approach for the bi-objective load balancing problem	M3
127	Mejdi Souki and Abdelwaheb Rebai	Heuristic Algorithms Based Local Search For Operating Theatre Planning	M4
128	Moncef Bourguiba and Abdelwaheb Rebai	2-opt local search based greedy algorithm for the mixed vehicle routing problem	M4
129	Hend Bouziri and Mouna Jouini	Tabu search for the sum coloring problem	M4
130	Luis Paquete and Jochen Gorski	On a particular case of the multi-criteria unconstrained optimization problem	MO1
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132	Saoussen Krichen, Hela Masri and Adel Guitouni	Exact And Metaheuristic Methods For Generating Maximal Efficient Faces In Multiobjective Linear Programming	MO1
133	Leonardo Martinez and Alexandre Cunha	Finding min-degree constrained spanning trees faster with a Branch-and-cut algorithm	ND2
134	Philippe Chretienne, Pierre Fouilhoux, Eric Gourdin and Jean-Mathieu Segura	The Location-Dispatching Problem: polyedral results and Content Delivery Network Design	ND2
135	Walid Ben-Ameur, Makhlouf Hadji and Adam Quorou	Networks with unicyclic connected components and without short cycles	ND2

136	Walid Ben-Ameur and Makhlouf Hadji	Steiner Networks with unicyclic connected components	ND2
137	Giulia Galbiati, Stefano Gualandi and Francesco Maffioli	On Minimum Reload Cost Cycle Cover	ND3
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151	Mourad Baiou, Francisco Barahona and Jose Correa	On the \$p\$-median polytope of fork-free graphs	PC3
152	Thanh Hai Nguyen, Jean-Fran∖c{c}ois Maurras and Viet Hung Nguyen	On the Convex Hull of Huffman Trees	PC4
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154	G\'abor Braun and Sebastian Pokutta	Rank of random half-integral polytopes	PC4
155	Mette Gamst	Integrating job scheduling and constrained network routing	S3
156	Cemalettin Ozturk, Semra Tunalı, Brahim Hnich and Arslan M. Ornek	Simultaneous Balancing and Scheduling of Flexible Mixed Model Assembly Lines with Sequence Dependent Setup Times	S3
157	Jo\~{a}o Telhada and Ana Raquel Godinho	Alternative MIP formulations for an integrated shift scheduling and rostering problem	S3
158	Matthias Walter and J\"urgen Zimmermann	A heuristic approach to project staffing	S4
159	Anis Kooli, Mohamed Haouari, Lotfi Hidri and Emmanuel N\'eron	IP-Based Energetic Reasoning for the Resource Constrained Project Scheduling Problem	S4
160	Maria Ayala, Christian Artigues and Bernat Gacias	Lagrangian relaxation-based lower bound for resource-constrained modulo scheduling	S4
161	Mitre Costa Dourado, Rosiane de Freitas Rodrigues and Jayme Luiz Szwarcfiter	Scheduling on parallel machines considering job-machine dependency constraints	S5
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163	Abir Benabid and Claire Hanen	Minimizing lateness for precedence graphs with delays on dedicated pipelined processors	S5
164	Marie-Claude C\^ot\'e, Bernard Gendron and Louis-Martin Rousseau	Grammar-Based Integer Programming Models for Multi-Activity Shift Scheduling	S5
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176	Amal Benhamiche, A. Ridha Mahjoub, Nancy Perrot	Design of optical WDM netwoks	SN1
177	Abdel Lisser and Rafael Lopez	Stochastic Quadratic Knapsack with Recourse	SRO1
178	Stefanie Kosuch and Abdel Lisser	Stochastic Shortest Path Problem with Delay Excess Penalty	SRO1
179	Virginie Gabrel, C\'ecile Murat, Nabila Remli and Mathieu Lacroix	Recourse problem of the 2-stage robust location transportation problem	SRO1
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181	Andr\'ea Carneiro Linhares, Philippe Michelon and Dominique Feillet	An Exact Site Availability Approach to Modeling the D-FAP	T1
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188	Viet Hung Nguyen and Thi Thu Thuy Nguyen	Approximating the asymmetric profitable tour	TSP1
189	Juan Jose Miranda Bront, Isabel M\'endez-D\'iaz and Paula Zabala	An integer programming approach for the time-dependent TSP	TSP1
190	Maria Teresa Godinho, Lu\'is Gouveia and Pierre Pesneau	Hop-indexed Circuit-based formulations for the Travelling Salesman Problem	TSP1
191	Herv\'e Kerivin, Mathieu Lacroix, Alain Quilliot and H\'el\`ene Toussaint	Tree based heuristics for the preemptive asymmetric stacker crane problem	VR1
192	Guido Perboli, Roberto Tadei and Francesco Masoero	New Families of Valid Inequalities for the Two-Echelon Vehicle Routing Problem	VR1
193	Luis Gouveia, Jorge Riera and Juan- Jos\'e Salazar	On the Vehicle Routing Problem with lower bound capacities	VR1