

38th AAAI Conference on Artificial Intelligence (AAAI-24), 36th Conference on Innovative Applications of Artificial Intelligence (IAAI-24), 14th Symposium on Educational Advances in Artificial Intelligence (EAAI-24)

Volume 18: AAAI Technical Tracks

- Philosophy and Ethics of AI
- Planning, Routing, and Scheduling
- Reasoning under Uncertainty
- Search and Optimization

Vancouver, Canada
20 – 27 February 2024

Part 1 of 2

ISBN: 979-8-3313-0101-9

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2024) by Association for the Advancement of Artificial Intelligence
All rights reserved.

Printed with permission by Curran Associates, Inc. (2024)

For permission requests, please contact Association for the Advancement of Artificial Intelligence
at the address below.

Association for the Advancement of Artificial Intelligence
2275 East Bayshore Road
Suite 160
Palo Alto, California 94303
USA

Phone: 1-650-328-3123
Fax: 1-650-321-4457

<https://aaai.org/Press/press.php>

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

PART 1

AAAI TECHNICAL TRACK ON PHILOSOPHY AND ETHICS OF AI

Quality-Diversity Generative Sampling for Learning with Synthetic Data.....	19805
<i>Allen Chang, Matthew C. Fontaine, Serena Booth, Maja J. Matarić, Stefanos Nikolaidis</i>	
A Cross-View Hierarchical Graph Learning Hypernetwork for Skill Demand-Supply Joint Prediction	19813
<i>Wenshuo Chao, Zhaopeng Qiu, Likang Wu, Zhuoning Guo, Zhi Zheng, Hengshu Zhu, Hao Liu</i>	
Conditional Backdoor Attack Via JPEG Compression.....	19823
<i>Qiuyu Duan, Zhongyun Hua, Qing Liao, Yushu Zhang, Leo Yu Zhang</i>	
Complementary Knowledge Distillation for Robust and Privacy-Preserving Model Serving in Vertical Federated Learning.....	19832
<i>Dashan Gao, Sheng Wan, Lixin Fan, Xin Yao, Qiang Yang</i>	
Resource Democratization: Is Compute the Binding Constraint on AI Research?.....	19840
<i>Rebecca Gelles, Veronica Kinoshita, Micah Musser, James Dunham</i>	
How to Overcome Curse-Of-Dimensionality for Out-Of-Distribution Detection?	19849
<i>Soumya Suvra Ghosal, Yiyou Sun, Yixuan Li</i>	
Exploiting Discrepancy in Feature Statistic for Out-Of-Distribution Detection	19858
<i>Xiaoyuan Guan, Jiankang Chen, Shenshen Bu, Yuren Zhou, Wei-Shi Zheng, Ruixuan Wang</i>	
Reward Penalties on Augmented States for Solving Richly Constrained RL Effectively	19867
<i>Hao Jiang, Tien Mai, Pradeep Varakantham, Huy Hoang</i>	
The Logic of Doxastic Strategies	19876
<i>Junli Jiang, Pavel Naumov</i>	
MERGE: Fast Private Text Generation	19884
<i>Zi Liang, Pinghui Wang, Ruofei Zhang, Nuo Xu, Shuo Zhang, Lifeng Xing, Haitao Bai, Ziyang Zhou</i>	
Does Few-Shot Learning Suffer from Backdoor Attacks?	19893
<i>Xinwei Liu, Xiaojun Jia, Jindong Gu, Yuan Xun, Siyuan Liang, Xiaochun Cao</i>	
Towards Model Extraction Attacks in GAN-Based Image Translation Via Domain Shift Mitigation	19902
<i>Di Mi, Yanjun Zhang, Leo Yu Zhang, Shengshan Hu, Qi Zhong, Haizhuan Yuan, Shirui Pan</i>	
Towards the Robustness of Differentially Private Federated Learning	19911
<i>Tao Qi, Huili Wang, Yongfeng Huang</i>	
Responsibility in Extensive Form Games.....	19920
<i>Qi SHI</i>	
Towards Fairness in Online Service with K Servers and Its Application on Fair Food Delivery	19929
<i>Daman Deep Singh, Amit Kumar, Abhijnan Chakraborty</i>	

Value Kaleidoscope: Engaging AI with Pluralistic Human Values, Rights, and Duties	19937
<i>Taylor Sorensen, Liwei Jiang, Jena D. Hwang, Sydney Levine, Valentina Pyatkin, Peter West, Nouha Dziri, Ximing Lu, Kavel Rao, Chandra Bhagavatula, Maarten Sap, John Tasioulas, Yejin Choi</i>	
Moral Uncertainty and the Problem of Fanaticism.....	19948
<i>Jazon Szabo, Natalia Criado, Jose Such, Sanjay Modgil</i>	
U-Trustworthy Models. Reliability, Competence, and Confidence in Decision-Making	19956
<i>Ritwik Vashistha, Arya Farahi</i>	
TraceEvader: Making DeepFakes More Untraceable Via Evading the Forgery Model Attribution	19965
<i>Mengjie Wu, Jingui Ma, Run Wang, Sidan Zhang, Ziyou Liang, Boheng Li, Chenhao Lin, Liming Fang, Lina Wang</i>	
SAME: Sample Reconstruction Against Model Extraction Attacks	19974
<i>Yi Xie, Jie Zhang, Shiqian Zhao, Tianwei Zhang, Xiaofeng Chen</i>	
High-Fidelity Gradient Inversion in Distributed Learning	19983
<i>Zipeng Ye, Wenjian Luo, Qi Zhou, Yubo Tang</i>	
Robustness Verification of Deep Reinforcement Learning Based Control Systems Using Reward Martingales	19992
<i>Dapeng Zhi, Peixin Wang, Cheng Chen, Min Zhang</i>	
Regulating AI: Applying Insights from Behavioural Economics and Psychology to the Application of Article 5 of the EU AI Act.....	20001
<i>Huixin Zhong, Eamonn O'Neill, Janina A. Hoffmann</i>	
Batch Normalization is Blind to the First and Second Derivatives of the Loss.....	20010
<i>Zhanpeng Zhou, Wen Shen, Huixin Chen, Ling Tang, Yuefeng Chen, Quanshi Zhang</i>	

AAAI TECHNICAL TRACK ON PLANNING, ROUTING, AND SCHEDULING

Block-Level Goal Recognition Design.....	20020
<i>Tsz-Chiu Au</i>	
Learning Planning Domains from Non-Redundant Fully-Observed Traces: Theoretical Foundations and Complexity Analysis.....	20028
<i>Pascal Bachor, Gregor Behnke</i>	
Dealing with Numeric and Metric Time Constraints in PDDL3 Via Compilation to Numeric Planning.....	20036
<i>Luigi Bonassi, Alfonso Emilio Gerevini, Enrico Scala</i>	
The Complexity of Optimizing Atomic Congestion.....	20044
<i>Cornelius Brand, Robert Ganian, Subrahmanyam Kalyanasundaram, Fionn Mc Inerney</i>	
Stop! Planner Time: Metareasoning for Probabilistic Planning Using Learned Performance Profiles	20053
<i>Matthew Budd, Bruno Lacerda, Nick Hawes</i>	
Can LLMs Fix Issues with Reasoning Models? Towards More Likely Models for AI Planning	20061
<i>Turgay Caglar, Sirine Belhaj, Tathagata Chakraborty, Michael Katz, Sarath Sreedharan</i>	
Symbolic Numeric Planning with Patterns.....	20070
<i>Matteo Cardellini, Enrico Giunchiglia, Marco Maratea</i>	

Learning Domain-Independent Heuristics for Grounded and Lifted Planning.....	20078
<i>Dillon Z. Chen, Sylvie Thiébaux, Felipe Trevizan</i>	
Approximate Distance Oracle for Fault-Tolerant Geometric Spanners.....	20087
<i>Kyungjin Cho, Jihun Shin, Eunjin Oh</i>	
Optimizing the Optimization of Planning Domains by Automatic Action Schema Splitting	20096
<i>Mojtaba Elahi, Jussi Rintanen</i>	
An Effective Polynomial Technique for Compiling Conditional Effects Away	20104
<i>Alfonso Emilio Gerevini, Francesco Percassi, Enrico Scala</i>	
GOALNET: Interleaving Neural Goal Predicate Inference with Classical Planning for Generalization in Robot Instruction Following	20113
<i>Jigyasa Gupta, Shreya Sharma, Shreshth Tuli, Rohan Paul, Mausam</i>	
SayCanPay: Heuristic Planning with Large Language Models Using Learnable Domain Knowledge.....	20123
<i>Rishi Hazra, Pedro Zuidberg Dos Martires, Luc De Raedt</i>	
A Surprisingly Simple Continuous-Action POMDP Solver: Lazy Cross-Entropy Search Over Policy Trees.....	20134
<i>Marcus Hoerger, Hanna Kurniawati, Dirk Kroese, Nan Ye</i>	
Optimizing Local Satisfaction of Long-Run Average Objectives in Markov Decision Processes	20143
<i>David Klaška, Antonín Kučera, Vojtěch Kůr, Vít Musil, Vojtěch Řehák</i>	
Monte Carlo Tree Search in the Presence of Transition Uncertainty.....	20151
<i>Farnaz Kohankhaki, Kiarash Aghakasiri, Hongming Zhang, Ting-Han Wei, Chao Gao, Martin Müller</i>	
Learning Safe Action Models with Partial Observability	20159
<i>Hai S. Le, Brendan Juba, Roni Stern</i>	
Generalized Planning for the Abstraction and Reasoning Corpus.....	20168
<i>Chao Lei, Nir Lipovetzky, Krista A. Ehinger</i>	
Simplifying Complex Observation Models in Continuous POMDP Planning with Probabilistic Guarantees and Practice	20176
<i>Idan Lev-Yehudi, Moran Barenboim, Vadim Indelman</i>	
Learning to Optimize Permutation Flow Shop Scheduling Via Graph-Based Imitation Learning.....	20185
<i>Longkang Li, Siyuan Liang, Zihao Zhu, Chris Ding, Hongyuan Zha, Baoyuan Wu</i>	
NaRuto: Automatically Acquiring Planning Models from Narrative Texts.....	20194
<i>Ruiqi Li, Leyang Cui, Songtuan Lin, Patrik Haslum</i>	
On the Computational Complexity of Plan Verification, (Bounded) Plan-Optimality Verification, and Bounded Plan Existence	20203
<i>Songtuan Lin, Conny Olz, Malte Helmert, Pascal Bercher</i>	
PRP Rebooted: Advancing the State of the Art in FOND Planning	20212
<i>Christian Muise, Sheila A. McIlraith, J. Christopher Beck</i>	
Abstract Action Scheduling for Optimal Temporal Planning Via OMT	20222
<i>Stefan Panjkovic, Andrea Micheli</i>	

Generalising Planning Environment Redesign	20230
<i>Alberto Pozanco, Ramon Fraga Pereira, Daniel Borrajo</i>	
When CEGAR Meets Regression: A Love Story in Optimal Classical Planning	20238
<i>Martín Pozo, Alvaro Torralba, Carlos Linares Lopez</i>	
Efficient Constraint Generation for Stochastic Shortest Path Problems	20247
<i>Johannes Schmalz, Felipe Trevizan</i>	
Generalized Planning in PDDL Domains with Pretrained Large Language Models	20256
<i>Tom Silver, Soham Dan, Kavitha Srinivas, Joshua B. Tenenbaum, Leslie Kaelbling, Michael Katz</i>	
Equity-Transformer: Solving NP-Hard Min-Max Routing Problems as Sequential Generation with Equity Context.....	20265
<i>Jiwoo Son, Minsu Kim, Sanghyeok Choi, Hyeonah Kim, Jinkyoo Park</i>	
Distilling Autoregressive Models to Obtain High-Performance Non-Autoregressive Solvers for Vehicle Routing Problems with Faster Inference Speed.....	20274
<i>Yubin Xiao, Di Wang, Boyang Li, Mingzhao Wang, Xuan Wu, Changliang Zhou, You Zhou</i>	
GLOP: Learning Global Partition and Local Construction for Solving Large-Scale Routing Problems in Real-Time.....	20284
<i>Haoran Ye, Jiarui Wang, Helan Liang, Zhiguang Cao, Yong Li, Fanzhang Li</i>	
Learning-Augmented Online Algorithm for Two-Level Ski-Rental Problem	20293
<i>Keyuan Zhang, Zhongdong Liu, Nakjung Choi, Bo Ji</i>	

AAAI TECHNICAL TRACK ON REASONING UNDER UNCERTAINTY

S-ID: Causal Effect Identification in a Sub-Population.....	20302
<i>Amir Mohammad Abouei, Ehsan Mokhtarian, Negar Kiyavash</i>	
On Estimating the Gradient of the Expected Information Gain in Bayesian Experimental Design	20311
<i>Ziqiao Ao, Jinglai Li</i>	
Backward Responsibility in Transition Systems Using General Power Indices.....	20320
<i>Christel Baier, Roxane van den Bossche, Sascha Klüppelholz, Johannes Lehmann, Jakob Piribauer</i>	
The Expected Loss of Preconditioned Langevin Dynamics Reveals the Hessian Rank.....	20328
<i>Amitay Bar, Rotem Mulayoff, Tomer Michaeli, Ronen Talmon</i>	
Pandora's Problem with Deadlines.....	20337
<i>Ben Berger, Tomer Ezra, Michal Feldman, Federico Fusco</i>	
Minibatch Stochastic Three Points Method for Unconstrained Smooth Minimization	20344
<i>Soumia Boucherouite, Grigory Malinovsky, Peter Richtárik, El Houcine Bergou</i>	

PART 2

Identification of Causal Structure with Latent Variables Based on Higher Order Cumulants.....	20353
<i>Wei Chen, Zhiyi Huang, Ruichu Cai, Zhifeng Hao, Kun Zhang</i>	

Direct Amortized Likelihood Ratio Estimation	20362
<i>Adam D. Cobb, Brian Matejek, Daniel Elenius, Anirban Roy, Susmit Jha</i>	
Probabilistic Offline Policy Ranking with Approximate Bayesian Computation.....	20370
<i>Longchao Da, Porter Jenkins, Trevor Schwantes, Jeffrey Dotson, Hua Wei</i>	
Generalized Bradley-Terry Models for Score Estimation from Paired Comparisons.....	20379
<i>Julien Fageot, Sadegh Farhadkhani, Lê-Nguyêñ Hoang, Oscar Villemaud</i>	
Identifiability of Direct Effects from Summary Causal Graphs	20387
<i>Simon Ferreira, Charles K. Assaad</i>	
Model Counting and Sampling Via Semiring Extensions	20395
<i>Andreas Goral, Joachim Giesen, Mark Blacher, Christoph Staudt, Julien Klaus</i>	
Identification for Tree-Shaped Structural Causal Models in Polynomial Time.....	20404
<i>Aaryan Gupta, Markus Bläser</i>	
Learning GAI-Decomposable Utility Models for Multiattribute Decision Making	20412
<i>Margot Herin, Patrice Perny, Nataliya Sokolovska</i>	
Uncertainty Quantification in Heterogeneous Treatment Effect Estimation with Gaussian-Process-Based Partially Linear Model.....	20420
<i>Shunsuke Horii, Yoichi Chikahara</i>	
Learning Diffusions Under Uncertainty	20430
<i>Hao Huang, Qian Yan, Keqi Han, Ting Gan, Jiawei Jiang, Quanqing Xu, Chuanhui Yang</i>	
Robustly Improving Bandit Algorithms with Confounded and Selection Biased Offline Data: A Causal Approach.....	20438
<i>Wen Huang, Xintao Wu</i>	
Effectiveness of Constant Stepsize in Markovian LSA and Statistical Inference.....	20447
<i>Dongyan (Lucy) Huo, Yudong Chen, Qiaomin Xie</i>	
Piecewise Linear Transformation – Propagating Aleatoric Uncertainty in Neural Networks	20456
<i>Thomas Krapf, Michael Hagn, Paul Miethaner, Alexander Schiller, Lucas Luttner, Bernd Heinrich</i>	
Probabilities of Causation with Nonbinary Treatment and Effect	20465
<i>Ang Li, Judea Pearl</i>	
Unit Selection with Nonbinary Treatment and Effect.....	20473
<i>Ang Li, Judea Pearl</i>	
Solving Satisfiability Modulo Counting for Symbolic and Statistical AI Integration with Provable Guarantees	20481
<i>Jinzha Li, Nan Jiang, Yexiang Xue</i>	
TNPAR: Topological Neural Poisson Auto-Regressive Model for Learning Granger Causal Structure from Event Sequences.....	20491
<i>Yuequn Liu, Ruichu Cai, Wei Chen, Jie Qiao, Yuguang Yan, Zijian Li, Keli Zhang, Zhifeng Hao</i>	
Colour Passing Revisited: Lifted Model Construction with Commutative Factors.....	20500
<i>Malte Luttermann, Tanya Braun, Ralf Möller, Marcel Gehrke</i>	

Root Cause Explanation of Outliers Under Noisy Mechanisms.....	20508
<i>Phuoc Nguyen, Truyen Tran, Sunil Gupta, Thin Nguyen, Svetha Venkatesh</i>	
Identification of Causal Structure in the Presence of Missing Data with Additive Noise Model.....	20516
<i>Jie Qiao, Zhengming Chen, Jianhua Yu, Ruichu Cai, Zhifeng Hao</i>	
Causal Discovery from Poisson Branching Structural Causal Model Using High-Order Cumulant with Path Analysis.....	20524
<i>Jie Qiao, Yu Xiang, Zhengming Chen, Ruichu Cai, Zhifeng Hao</i>	
A Fixed-Parameter Tractable Algorithm for Counting Markov Equivalence Classes with the Same Skeleton.....	20532
<i>Vidya Sagar Sharma</i>	
Learning Bayesian Network Classifiers to Minimize the Class Variable Parameters.....	20540
<i>Shouta Sugahara, Koya Kato, Maomi Ueno</i>	
Bayesian Inference with Complex Knowledge Graph Evidence.....	20550
<i>Armin Toroghi, Scott Sanner</i>	
Exact, Fast and Expressive Poisson Point Processes Via Squared Neural Families	20559
<i>Russell Tsuchida, Cheng Soon Ong, Dino Sejdinovic</i>	
Inference and Learning in Dynamic Decision Networks Using Knowledge Compilation	20567
<i>Gabriele Venturato, Vincent Derkinderen, Pedro Zuidberg Dos Martires, Luc De Raedt</i>	
Linear-Time Algorithms for Front-Door Adjustment in Causal Graphs	20577
<i>Marcel Wienöbst, Benito van der Zander, Maciej Liśkiewicz</i>	
Neural Causal Abstractions	20585
<i>Kevin Xia, Elias Bareinboim</i>	
Federated Contextual Cascading Bandits with Asynchronous Communication and Heterogeneous Users.....	20596
<i>Hantao Yang, Xutong Liu, Zhiyong Wang, Hong Xie, John C. S. Lui, Defu Lian, Enhong Chen</i>	
Causal-Driven Skill Prerequisite Structure Discovery	20604
<i>Shenbao Yu, Yifeng Zeng, Fan Yang, Yinghui Pan</i>	
Deep Copula-Based Survival Analysis for Dependent Censoring with Identifiability Guarantees	20613
<i>Weijia Zhang, Chun Kai Ling, Xuanhui Zhang</i>	

AAAI TECHNICAL TRACK ON SEARCH AND OPTIMIZATION

DOGE-Train: Discrete Optimization on GPU with End-To-End Training.....	20623
<i>Ahmed Abbas, Paul Swoboda</i>	
Delegation-Relegation for Boolean Matrix Factorization	20632
<i>Florent Avellaneda, Roger Villemaire</i>	
An Interpretable Approach to the Solutions of High-Dimensional Partial Differential Equations	20640
<i>Lulu Cao, Yufei Liu, Zhenzhong Wang, Dejun Xu, Kai Ye, Kay Chen Tan, Min Jiang</i>	
Sampling for Beyond-Worst-Case Online Ranking.....	20649
<i>Qingyun Chen, Sungjin Im, Benjamin Moseley, Chenyang Xu, Ruilong Zhang</i>	

Learning Ultrametric Trees for Optimal Transport Regression	20657
<i>Samantha Chen, Puoya Tabaghi, Yusu Wang</i>	
Parameterized Approximation Algorithms for Sum of Radii Clustering and Variants	20666
<i>Xianrun Chen, Dachuan Xu, Yicheng Xu, Yong Zhang</i>	
Traffic Flow Optimisation for Lifelong Multi-Agent Path Finding.....	20674
<i>Zhe Chen, Daniel Harabor, Jiaoyang Li, Peter J. Stuckey</i>	
Runtime Analysis of the $(\mu + 1)$ GA: Provable Speed-Ups from Strong Drift Towards Diverse Populations	20683
<i>Benjamin Doerr, Aymen Echarchaoui, Mohammed Jamal, Martin S. Krejca</i>	
Novelty Vs. Potential Heuristics: A Comparison of Hardness Measures for Satisficing Planning.....	20692
<i>Simon Dold, Malte Helmert</i>	
Cumulative Regret Analysis of the Piyavskii–Shubert Algorithm and Its Variants for Global Optimization.....	20700
<i>Kaan Gokcesu, Hakan Gokcesu</i>	
Efficient Constrained K-Center Clustering with Background Knowledge.....	20709
<i>Longkun Guo, Chaoqi Jia, Kewen Liao, Zhigang Lu, Minhui Xue</i>	
Limited Query Graph Connectivity Test	20718
<i>Mingyu Guo, Jialiang Li, Aneta Neumann, Frank Neumann, Hung Nguyen</i>	
Theoretical Aspects of Generating Instances with Unique Solutions: Pre-Assignment Models for Unique Vertex Cover	20726
<i>Takashi Horiyama, Yasuaki Kobayashi, Hirotaka Ono, Kazuhisa Seto, Ryu Suzuki</i>	
KD-Club: An Efficient Exact Algorithm with New Coloring-Based Upper Bound for the Maximum k-Defective Clique Problem	20735
<i>Mingming Jin, Jiongzh Zheng, Kun He</i>	
Parallel Beam Search Algorithms for Domain-Independent Dynamic Programming	20743
<i>Ryo Kuroiwa, J. Christopher Beck</i>	
Rectangle Search: An Anytime Beam Search.....	20751
<i>Sofia Lemons, Wheeler Ruml, Rob Holte, Carlos Linares Lopez</i>	
Learning to Stop Cut Generation for Efficient Mixed-Integer Linear Programming	20759
<i>Haotian Ling, Zhihai Wang, Jie Wang</i>	
A Fast Exact Solver with Theoretical Analysis for the Maximum Edge-Weighted Clique Problem.....	20768
<i>Lu Liu, Mingyu Xiao, Yi Zhou</i>	
Towards Running Time Analysis of Interactive Multi-Objective Evolutionary Algorithms	20777
<i>Tianhao Lu, Chao Bian, Chao Qian</i>	
Accelerating Cutting-Plane Algorithms Via Reinforcement Learning Surrogates	20786
<i>Kyle Mana, Fernando Acero, Stephen Mak, Parisa Zehtabi, Michael Cashmore, Daniele Magazzeni, Manuela Veloso</i>	
Paths, Proofs, and Perfection: Developing a Human-Interpretable Proof System for Constrained Shortest Paths	20794
<i>Konstantin Sidorov, Gonçalo Homem de Almeida Correia, Mathijs de Weerdt, Emir Demirović</i>	

Learning Encodings for Constructive Neural Combinatorial Optimization Needs to Regret.....	20803
<i>Rui Sun, Zhi Zheng, Zhenkun Wang</i>	
COMBHelper: A Neural Approach to Reduce Search Space for Graph Combinatorial Problems	20812
<i>Hao Tian, Sourav Medya, Wei Ye</i>	
Improving Neural Network Generalization on Data-Limited Regression with Doubly-Robust Boosting	20821
<i>Hao Wang</i>	
Inertial Algorithm with Dry Fraction and Convolutional Sparse Coding for 3D Localization with Light Field Microscopy	20830
<i>Xiaofan Wang, Zhiyuan Deng, Changle Wang, Jinjia Wang</i>	
A Novel Skip Orthogonal List for Dynamic Optimal Transport Problem	20838
<i>Xiaoyang Xu, Hu Ding</i>	
Sample-And-Bound for Non-Convex Optimization.....	20847
<i>Yaoguang Zhai, Zhizhen Qin, Sicun Gao</i>	
Threshold-Based Responsive Simulated Annealing for Directed Feedback Vertex Set Problem.....	20856
<i>Qingyun Zhang, Yuming Du, Zhouxing Su, Chu-Min Li, Junzhou Xu, Zhihuai Chen, Zhipeng Lü</i>	
Jointly Improving the Sample and Communication Complexities in Decentralized Stochastic Minimax Optimization	20865
<i>Xuan Zhang, Gabriel Mancino-Ball, Necdet Serhat Aybat, Yangyang Xu</i>	
Runtime Analysis of the SMS-EMOA for Many-Objective Optimization	20874
<i>Weijie Zheng, Benjamin Doerr</i>	
How to Use the Metropolis Algorithm for Multi-Objective Optimization?	20883
<i>Weijie Zheng, Mingfeng Li, Renzhong Deng, Benjamin Doerr</i>	
Two-Stage Evolutionary Reinforcement Learning for Enhancing Exploration and Exploitation	20892
<i>Qingling Zhu, Xiaoqiang Wu, Qiuzhen Lin, Wei-Neng Chen</i>	

Author Index