

COSEAL 2023 Poster Sessions

Slot	Presenter	Title	Authors
1	Benjamin Doerr	From Understanding the Population Dynamics of the NSGA-II to the First Proven Lower Bounds	Benjamin Doerr, Zhongdi (Delia) Qu
1	Clément Legrand	Influence of Tuning on a Multi-Objective framework	Clément Legrand
1	Diederick Vermetten	To Switch or not to Switch: Predicting the Benefit of Switching between Algorithms based on Trajectory Features	Diederick Vermetten, Hao Wang, Kevin Sim, Emma Hart
1	Feutrier Thomas	When Simpler is Better: Automated Configuration of a University Timetabling Solver	Feutrier Thomas, Marie-Eleonore Kessaci, Nadarajen Veerapen
1	Hadar Shavit	Algorithm Selection of SAT Solvers Using Graph Neural Network	Hadar Shavit, Marie Anastacio, Bram Renting, Holger H. Hoos
1	Ke Xue	Multi-agent Dynamic Algorithm Configuration	Ke Xue, Jiacheng Xu, Lei Yuan, Miqing Li, Chao Qian, Zongzhang Zhang, Yang Yu.
1	Koen van der Blom	AutoML Adoption: Insights from Interviews	Koen van der Blom, Alex Serban, Holger Hoos, Joost Visser
1	Konstantin Dietrich	Increasing the Diversity of Benchmark Function Sets Through Affine Recombination	Konstantin Dietrich and Olaf Mersmann
1	Lennart Purucker	A First Look at Meta-Learning Algorithm Selection for Post Hoc Ensembling in AutoML	Lennart Purucker, Joeran Beel
1	Pritha Gupta	Automating Information Leakage Detection by Approximating the Bayes Predictor	Pritha Gupta, Jan Peter Drees, Eyke Hüllermeier
1	Valentin Margraf	CASH for shapley based explanations	Marcel Wever, Maximilian Muschalik, Fabian Fumagalli, Valentin Margraf
2	Ana Kostovska	Using Knowledge Graphs for Performance Prediction of Modular Optimization Algorithms	Ana Kostovska, Diederick Vermetten, Sašo Džeroski, Panče Panov, Tome Eftimov, Carola Doerr
2	Ana Nikolikj	Algorithm Instance Footprint: Separating Easily Solvable and Challenging Problem Instances	Ana Nikolikj, Saso Dzeroski, Mario Andrés Muñoz, Carola Doerr, Peter Korosec, Tome Eftimov
2	Anja Jankovic	Per-Run Trajectory-Based Algorithm Selection with Warmstarting	Ana Kostovska, Anja Jankovic, Diederick Vermetten, Jacob de Nobel, Hao Wang, Tome Eftimov and Carola Doerr
2	Difan Deng	Learning to Learn for Adaptive Model Generateion	Difan Deng and Marius Lindauer
2	Elena Raponi	AutoML-guided Design of Bayesian Optimization Algorithms for Structural Mechanics	Elena Raponi
2	Julia Moosbauer	Improving Accuracy of Interpretability Measures in Hyperparameter Optimization via Bayesian Algorithm Execution	Julia Moosbauer, Giuseppe Casalicchio, Marius Lindauer, Bernd Bischl
2	Julia Waşala	Automated Data Fusion for Methane Plume Detection	Julia Waşala, Mitra Baratchi, Bram Maasackers, Holger Hoos, Ilse Aben, Rochelle Schneider Dos Santos
2	Pegah Alizadeh	Clustering Approach to Solve Hierarchical Classification Problem Complexity	Aomar OSMANI, Massinissa HAMIDI, Pegah ALIZADEH
2	Quentin Renau	Keep on Learning : towards optimisers that continually adapt	Emma Hart, Quentin Renau
2	Sarah Krebs	Symbolic Explanations for Hyperparameter Optimization	Sarah Krebs, Helena Graf, Alexander Tornede, Bernd Bischl, Marius Lindauer
2	Theresa Eimer	Hyperparameter Tuning in Reinforcement Learning	Theresa Eimer, Marius Lindauer, Roberta Raileanu
2	Tim Ruhkopf	An inductive-bias-driven Fidelity Type for Graph Models	Tim Ruhkopf, Thomas Norrenbrock, Marius Lindauer
3	Arjun Krishnakumar	TangleNAS: Weight Entanglement meets One-Shot Optimization	Rhea Sukhthanker, Arjun Krishnakumar, Frank Hutter
3	Gjorgjina Cenikj	DynamoRep: Trajectory-Based Population Dynamics for Classification of Black-box Optimization Problems	Gjorgjina Cenikj, Gašper Petelin, Carola Doerr, Peter Korošec, Tome Eftimov
3	Jose Manuel Navarro	Automatic Model Selection for Multivariate Time Series Anomaly Detection	Jose Manuel Navarro, Alexis Huet, Dario Rossi
3	Katharina Eggensperger	A Modular AutoML Framework	Eddie Bergman, Matthias Feurer, Ravin Kohli, Marius Lindauer, Frank Hutter
3	Lennart Schäpermeier	HPO x ELA: Investigating Hyperparameter Optimization Landscapes by Means of Exploratory Landscape Analysis	Lennart Schneider, Lennart Schäpermeier, Raphael Patrick Prager, Bernd Bischl, Heike Trautmann, Pascal Kerschke
3	Lukas Wegmeth	The Challenges of Algorithm Selection and Hyperparameter Optimization for Recommender Systems.	Lukas Wegmeth, Tobias Vente, Jöran Beel
3	Matthias Feurer	OpenML-CC23: an up-to-date benchmarking suite for tabular classification data	Matthias Feurer, et al.
3	Moritz Seiler	On the Potential of Feature-Free Automated Algorithm Selection	Moritz Seiler
3	Raphael Patrick Prager	Nullifying the Inherent Bias of Non-Invariant ELA Features	Raphael Patrick Prager, Heike Trautmann
3	Tanguy Appriou	Combination of Kriging models for Bayesian Optimization in High-Dimension	Tanguy Appriou; Didier Rullière; David Gaudrie
3	Tanja Tornede	Green AutoML	Tanja Tornede, Daphne Theodorakopoulos
3	Urban Škvorc	The Challenges of Generalizable Algorithm Selection Using Exploratory Landscape Analysis	Urban Škvorc, Tome Eftimov, Peter Korošec
4	Aditya Mohan	Optimizing Activation Functions for Sparse Networks	
4	Alexander Tornede	Changing the Searchspace during the AutoML/HPO Search Process	Alexander Tornede, Marius Lindauer
4	Carolin Benjamins	Towards Self-Adjusting Weighted Expected Improvement for Bayesian Optimization	Carolin Benjamins, Elena Raponi, Anja Jankovic, Carola Doerr, Marius Lindauer
4	Elias Schede	Multi-objective algorithm configuration for anytime algoihtms	Elias Schede, Kevin Tierney
4	Helena Graf	Multi-Fidelity Hyperparameter Optimization via Automatic Termination	Helena Graf, Sarah Krebs, Alexander Tornede, Marius Lindauer
4	Jens Goemaere	To append or to insert, that's the question	
4	Jonas Hanselle	Implications of Bounded Rationality for Bayesian Optimization	Jonas Hanselle, Eyke Hüllermeier
4	Kaitlin Maile	Growing Neural Networks	Kaitlin Maile, Emmanuel Rachelson, Hervé Luga, Dennis G. Wilson
4	Maria Laura Santoni	Comparison of High-Dimensional Bayesian Optimization Algorithms on BBOB	Maria Laura Santoni, Elena Raponi, Renato De Leone, Carola Doerr
4	Raghu Rajan	Learning while Learning: Learning Rate Control for Reinforcement Learning	Raghu Rajan, Theresa Eimer, André Biedenkapp, Frank Hutter, Marius Lindauer
4	Steven Adriaensen	Efficient Bayesian Learning Curve Extrapolation	Steven Adriaensen, Herilalaina Rakotoarison, Samuel Müller, Frank Hutter
4	Tim Ruhkopf	MASIF: Meta-learned Algorithm Selection using Implicit Fidelity Information	Tim Ruhkopf, Aditya Mohan, Difan Deng, Alexander Tornede, Frank Hutter, Marius Lindauer
5	Gabriela Kadlecová	Combining zero-cost proxies	Gabriela Kadlecová, Roman Neruda
5	Katarzyna Woźnica, Anna Kozak	DELFIS: Decomposition of Ensemble Learning Frameworks Incorporating Statistics	Katarzyna Woźnica, Anna Kozak, Mateusz Grzyb, Paulina Kulczyk, Jędrzej Ruciński
5	Lennart Schneider	Jointly Optimizing Performance and Interpretability of Tabular Supervised Machine Learning Models	Lennart Schneider, Bernd Bischl, Janek Thomas
5	Marc Zöller	XAutoML: A Visual Analytics Tool for Understanding and Validating Automated Machine Learning	Marc Zöller
5	Marcel Wever	Iterative-Deepening Hyperband	Jasmin Brandt, Marcel Wever, Viktor Bengs, Eyke Hüllermeier
5	Neeratoy Mallik	PriorBand	Neeratoy Mallik, Eddie Bergman
5	Quentin Renau	Evolving instance-space layouts that reflect performance gradients	Emma Hart, Quentin Renau