

- COSEAL 2024 -
Agenda for Tuesday, May 21, 2024



09:00	09:45	Opening Session	
09:00	09:30	Welcome and General Instruction	Pascal Kerschke
09:30	09:45	Welcome Message of the General Chairs	Lennart Schäpermeier & Theresa Eimer
09:45	10:15	Talk	
09:45	10:15	<i>Learning Interpretable Models for Solving Routing Problems</i>	Kevin Tierney
10:15	10:30	Poster Pitches	
10:15	10:20	<i>Ensembling of Surrogate Models in Bayesian Optimisation</i>	Hadar Shavit
10:20	10:25	<i>Automated Algorithm Configuration for Anytime Algorithms</i>	Elias Schede
10:25	10:30	??	
10:30	11:00	Coffee Break	
11:00	12:30	Poster Session (incl. Coffee + Snacks)	
		<i>Ensembling of Surrogate Models in Bayesian Optimisation</i>	Hadar Shavit & Anja Jankovic
		<i>Automated Algorithm Configuration for Anytime Algorithms</i>	Elias Schede
		<i>Adaptive Bayesian Optimization</i>	Carolin Benjamins
		<i>Growing with Experience: Growing Neural Networks in Deep Reinforcement Learning</i>	Lukas Fehring
		<i>Do Tree-based Models Need Data Preprocessing?</i>	Hubert Ruczynski
		<i>Dancing to the State of the Art? How Candidate Lists Influence LKH for Solving the Traveling Salesperson Problem</i>	Jonathan Heins, Lennart Schäpermeier & Pascal Kerschke (with Darrell Whitley)
		<i>In-Context Freeze-Thaw Bayesian Optimization for HPO</i>	Steven Adriaensen
		<i>Frugal Algorithm Selection</i>	Nguyen Dang
12:30	13:30	Lunch Break (on your own)	

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13:30	15:00	Talks	
13:30	13:50	<i>Opportunities for Configuration and Selection of Algorithms in Neural Network Robustness Verification</i>	Jan van Rijn
13:50	14:10	<i>Automatic Generation and Configuration of Algorithms in Java using MORK</i>	Rául Martín Santamaria
14:10	14:30	<i>Hyper-configurable ALNS Approach for the Multi-port Continuous Berth Allocation Problem</i>	Imène Ait Abderrahim & Kevin Tierney
14:30	14:50	<i>Model Selection in the Age of In-Context Learning for Tabular Data</i>	Lennart Purucker
14:50	15:00	Group Picture (Hallway of Hotel)	
15:00	15:30	Coffee Break	
15:30	17:00	Poster Session (incl. Coffee + Snacks)	
		<i>A Camera Simulation Tool to Generate Instances for Multiple Classes of Optimisation Problems</i>	Quentin Renau (with Emma Hart & Johann Dreo)
		<i>TransOptAS: Transformer-Based Algorithm Selection for Single-Objective Optimization</i>	Gjorgjina Cenikj
		<i>Hyper-configurable ALNS Approach for the Multi-port Continuous Berth Allocation Problem</i>	Imène Ait Abderrahim
		<i>Exploiting Structure in Optimization Landscapes of Reinforcement Learning</i>	Aditya Mohan
		<i>Multi-Objective Configuration on Multimodal Multi-Objective Problems</i>	Oliver Preuß, Jeroen Rook & Heike Trautmann
		<i>Impact of Training Instance Selection on Automated Algorithm Selection Models for Numerical Black-box</i>	Konstantin Dietrich, Diederick Vermetten, Carola Doerr & Pascal Kerschke
		<i>Model Selection in the Age of In-Context Learning for Tabular Data</i>	Lennart Purucker
		<i>Optimizing Time Series Forecasting Architectures: A Hierarchical Neural Architecture Search Approach</i>	Difan Deng
		<i>Don't Waste your time: Early Stopping Cross-Validation</i>	Edward Bergman
17:00	18:00	Break (on your own)	
18:00	19:30	Guided City Tour	

- COSEAL 2024 -
Agenda for Wednesday, May 22, 2024



09:00	10:15	Talks	
09:00	09:30	<i>Towards Understanding Multi-objective Green AutoML</i>	Marius Lindauer
09:30	09:50	<i>Multi-Objective SMAC</i>	Jeroen Rook
09:50	10:10	<i>Regularization of Schedule Optimization</i>	Filip Bártek
10:15	10:30	Poster Pitches	
10:15	10:20	<i>Applying Deep Reinforcement Learning to the Skill VRP</i>	Nayeli Gast Zapeda
10:20	10:25	<i>IOHprofiler</i>	Diederick Vermetten
10:25	10:30	<i>Towards LLM-designed Metaheuristics: Are We There Yet?</i>	Michal Pluhacek
10:30	11:00	Coffee Break	
11:00	12:30	Poster Session (incl. Coffee + Snacks)	
		<i>Applying Deep Reinforcement Learning to the Skill VRP</i>	Nayeli Gast Zapeda
		<i>IOHprofiler</i>	Diederick Vermetten
		<i>Estimating Dwell Time for Public Transport</i>	Ijaradar Jyotirmaya
		<i>Comparing Solvability Patterns of Algorithms across Diverse Problem Landscapes</i>	Ana Nikolicj
		<i>DeepCAVE: A Visualization and Analysis Tool for Automated Machine Learning</i>	Sarah Segel
		<i>Battling Bandits with Delayed Feedback</i>	Valentin Margraf
		<i>Towards LLM-designed Metaheuristics: Are We There Yet?</i>	Michal Pluhacek & Roman Senkerik
		<i>Theory-inspired Parameter Control Benchmarks for Dynamic Algorithm Configuration</i>	Nguyen Dang
		<i>Optimizing Traffic Signal Control using Double Deep Q-Network Reinforcement Learning</i>	Tobias Nusch
12:30	13:30	Lunch Break (on your own)	
13:30	15:00	Workshop / Breakout Session / ...?	

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15:00	15:30	Coffee Break	
15:30	17:00	Poster Session (incl. Coffee + Snacks)	
		<i>Hyperparameter Importance Analysis for Multi-Objective AutoML</i>	Daphne Theodorakopoulos
		<i>Rethinking of Encoder-based Warm-start Methods in Hyperparameter Optimization</i>	Antoni Zajko, David Płudowski, Katarzyna Woznica & Anna Kozak
		<i>ARLBench: An Automated Reinforcement Learning Benchmark based on JAX</i>	Jannis Becktepe & Julian Dierkes
		<i>Automated Federated Learning via Informed Pruning</i>	Elena Raponi
		<i>Neural Architecture Search for Genomic Sequence Data</i>	Martin Binder
		<i>Deep-Learned (ELA) Features and Automated Algorithm Selection</i>	Moritz Seiler, Urban Skvorc, Carola Doerr & Heike Trautmann
		<i>Interpretable Spatiotemporal Feature Selection for Solar Power Forecasts</i>	Markus Leyser & Pascal Kerschke
		<i>OpenOpt</i>	Carola Doerr
17:00	18:30	Break (on your own)	
18:30	22:00	Workshop Dinner (@Dorint)	

**- COSEAL 2024 -
Agenda for Thursday, May 23, 2024**



09:00	10:40	Talks	
09:00	09:20	<i>COSEAL for AutoRL</i>	Theresa Eimer
09:20	09:40	<i>Evolving Reliable Differentiating Constraints</i>	Frank Neumann
09:40	10:00	<i>Model-based Meta Algorithms</i>	Bernhard Berger
10:00	10:20	<i>Probing Algorithm Trajectories for Algorithm Selection</i>	Quentin Renau (with Emma Hart)
10:20	10:40	<i>LCDB 1.0: An Extensive Learning Curves Database for Classification Tasks</i>	Tom Viering
10:40	11:15	Coffee Break	
11:15	12:45	Poster Session (incl. Coffee + Snacks)	
		<i>A Visual Journey Through AutoML. cattleia: A Tool for Deep Dive into Ensembles</i>	Jakub Piwko & Malwina Wojewoda
		<i>tba</i>	Bernhard Berger
		<i>Active Learning for Multi-Fidelity on Dataset Subset Sizes</i>	Tim Ruhkopf
		<i>Automating Data Preparation</i>	Sasa Mladenovic & Carola Doerr
		<i>Bandit-based Optimization for AutoML</i>	Amir Rezaei-Balef
		<i>Multi-Objective Robust Ranking</i>	Jeroen Rook, Holger Hoos & Heike Trautmann
		<i>LCDB 1.0: An Extensive Learning Curves Database for Classification Tasks</i>	Tom Viering & Jan van Rijn (with Felix Mohr & Marco Loog)
		<i>Towards Quantifying the Effect of Dataset Selection for Benchmarking Tabular Machine Learning Approaches</i>	Matthias Feurer, Bernd Bischl & Katharina Eggenberger (with Frank Hutter, Ravin Kohli)
		<i>Reshuffle your Splits? Improving Generalization of Hyperparameter Optimization</i>	Lennart Schneider
12:45	13:45	Closing Session	
		Announcements	all
		...	
		Closing	Pascal Kerschke