Workshop and Tutorial Sessions (July 09, 2022)

	08:30–10:20	10:50–12:40	13:40–15:30	16:00–17:50
Atlantic 1	Genetic improvement: Taking real-world source code and improving it using computational search methods (Haraldsson, Woodward, Brownlee, Winter, Alexander)	Graph-based Genetic Programming (Kalkreuth, Sotto, Vasicek)	Generative Hyper-heuristics (Tauritz, Woodward)	A (Biased) Introduction to Benchmarking (Auger)
Atlantic 2	Graybox Optimization and Next Generation Genetic Algorithms (Whitley)	Evolution of Neural Networks (Miikkulainen)	Benchmarking and analyzing iterative optimization heuristics with IOHprofiler (Doerr, Wang, Vermetten, Bäck, Nobel, Ye)	Automated Algorithm Configuration and Design (López-Ibáñez, of, Stützle, Cáceres)
Atlantic 3	Evolutionary Diversity Optimization for Combinatorial Optimization (Bossek, Neumann, Neumann)	Model-Based Evolutionary Algorithms (Thierens, Bosman)	Lexicase Selection (Helmuth, Cava, Medical) Sequential Experimentation by Evolutionary Algorithms (Shir, Bäck)	Quality-Diversity Optimization (Cully, Mouret, Doncieux)
Salon A	Representations for Evolutionary Algorithms (Rothlauf)	Runtime Analysis of Population-based Evolutionary Algorithms (Lehre, Oliveto)	Bayesian Optimization (Couckuyt, Gonzalez, Branke)	Introductory Mathematical Programming for EC (Shir)
Salons B-C	IAM: Industrial Applications of Metaheuristics	ECXAI: Evolutionary Computation and Explainable AI	ECXAI: Evolutionary Computation and Explainable AI	BENCH: Good Benchmarking Practices for Evolutionary Computation
Salons G-H	EvoSoft: Evolutionary Computation Software Systems	GI: Genetic Improvement	GI: Genetic Improvement	GI: Genetic Improvement
Salon F	BBOB: Black Box Optimization Benchmarking	BBOB: Black Box Optimization Benchmarking	EGML-EC: Enhancing Generative Machine Learning with Evolutionary Computation	SymReg: Symbolic Regression
Caspian	Student	Student	IWLCS: Learning Classifier Systems	
Online 1	Difficulties in Fair Performance Comparison of Multiobjective Evolutionary Algorithms (Ishibuchi, Pang, Shang)	A Gentle Introduction to Theory (For Non-Theoreticians) (Doerr)	Transfer Learning in Evolutionary Spaces (Pillay)	Embedding Knowledge into Optimization Process (Gandomi)
Online 2	Evolutionary Continuous Dynamic Optimization (Yazdani, Yao)	Selection Hyper-heuristics (Kheiri, Keedwell)	Learning Classifier Systems: Cognitive Inspired Machine Learning for eXplainable AI (Siddique, Browne)	Evolutionary Computation for Feature Selection and Feature Construction (XUE, Zhang)

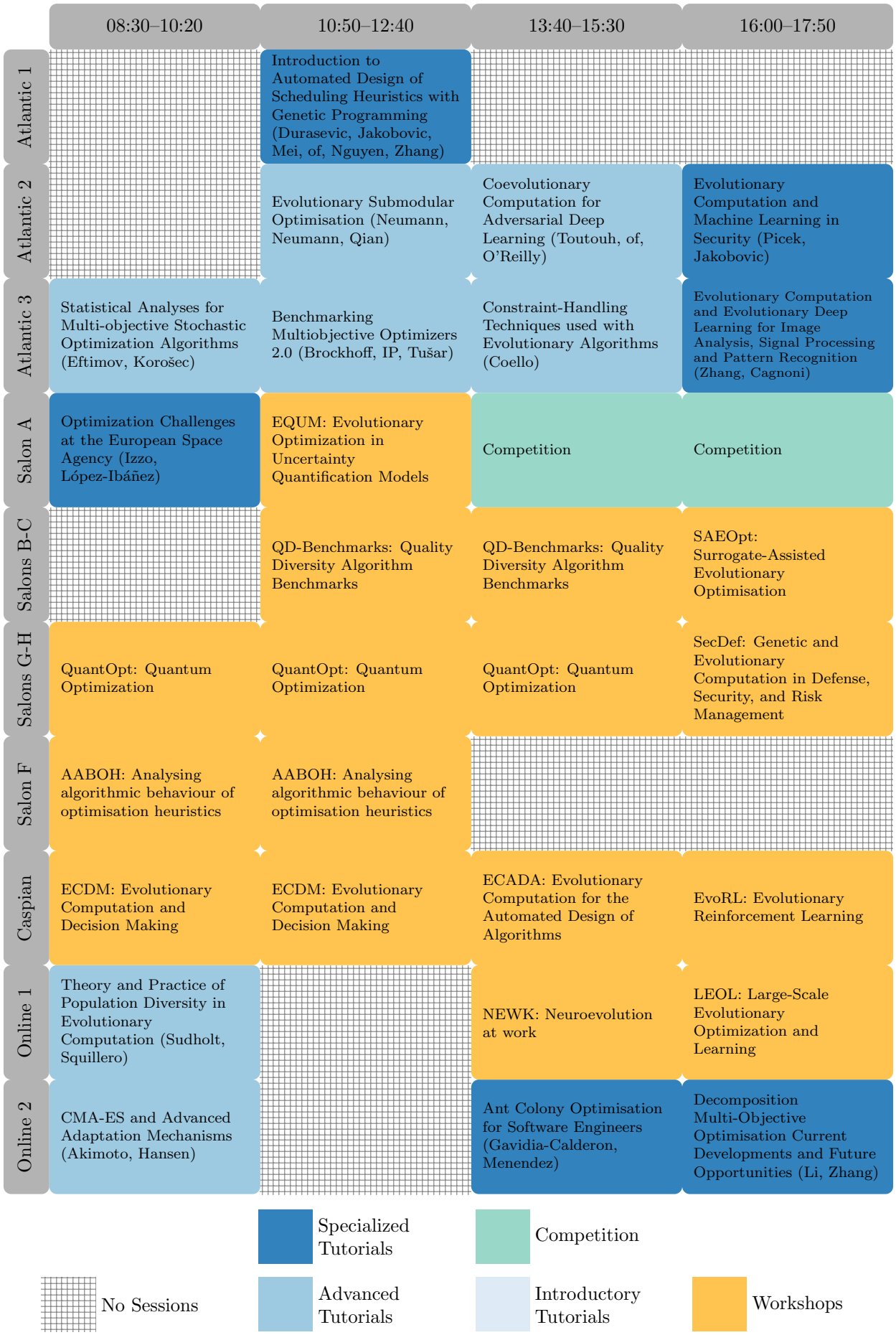

No Sessions

Advanced Tutorials

Introductory Tutorials

Workshops

Workshop and Tutorial Sessions (July 10, 2022)



Parallel Sessions (Monday, July 11 – Wednesday, July 13)

	Monday July 11 10:30–11:50	Monday July 11 12:50–14:10	Monday July 11 14:40–16:00	Tuesday July 12 12:40–14:00	Tuesday July 12 14:30–15:50	Tuesday July 12 16:20–17:40	Wednesday July 13 09:00–10:20
Atlantic 1	GECH 1★	GP 2★	CS 1★	SBSE 1 - NE 3★	EMO 4★	SBSE 2	NE 4
Atlantic 2	ENUM 1 - Theory 1★	EML 1★	GA 1★	RWA 4	RWA 5★	ECOM 5★	RWA 6
Atlantic 3	NE 1	NE 2	EML 2	EML 3	EML 4	ACO-SI 2	EML 5
Salon A	EMO 1	RWA 1	RWA 3	GECH 2	GECH 3	GECH 4	EMO 5
Salons B-C	GP 1	HOP 1	HOP 2		ENUM 2	HOP 3	HOP 4
Salons G-H	ECiP 1	ECiP 2	EMO 2	EMO 3	CS 2	CS 3	CS 4
Salon F	ECOM 1	Humies	ECOM 2	ECOM 3	ECOM 4	GA 2	GA 3
Caspian	ACO-SI 1	RWA 2	GP 3	GP 4	Theory 2	Theory 3	Funding-related session by Aldeida Aleti

No Sessions

★ Best Paper Sessions

Standard Paper Sessions

Humies

HOP

ECiP

Specialized Session