

1. Record Nr.	UNINA9910743692903321
<b>Titolo</b>	Artificial Evolution : 15th International Conference, Évolution Artificielle, EA 2022, Exeter, UK, October 31 – November 2, 2022, Revised Selected Papers / / edited by Pierrick Legrand, Arnaud Liefooghe, Edward Keedwell, Julien Lepagnot, Lhassane Idoumghar, Nicolas Monmarché, Evelyne Lutton
<b>Pubbl/distr/stampa</b>	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
<b>ISBN</b>	3-031-42616-9
<b>Edizione</b>	[1st ed. 2023.]
<b>Descrizione fisica</b>	1 online resource (234 pages)
<b>Collana</b>	Lecture Notes in Computer Science, , 1611-3349 ; ; 14091
<b>Disciplina</b>	005.432
<b>Soggetti</b>	Artificial intelligence Algorithms Numerical analysis Computer networks Computer engineering Artificial Intelligence Numerical Analysis Computer Communication Networks Computer Engineering and Networks
<b>Lingua di pubblicazione</b>	Inglese
<b>Formato</b>	Materiale a stampa
<b>Livello bibliografico</b>	Monografia
<b>Nota di bibliografia</b>	Includes bibliographical references and index.
<b>Nota di contenuto</b>	On the Active Use of an ND-Tree-Based Archive for Multi-Objective Optimisation -- HyTEA: Hybrid Tree Evolutionary Algorithm -- A Game Theoretic Decision Tree for Binary Classification -- Evaluating a New Genetic Algorithm for Automated Machine Learning in Positive-Unlabelled Learning -- Neural Network-based Virtual Analog Modeling -- Defining a Quality Measure Within Crossover: An Electric Bus Scheduling Case Study -- Maximizing the Number of Satisfied Charging Demands in Electric Vehicle Charging Scheduling Problem -- Fine-Grained Cooperative Coevolution in a Single Population: Between Evolution and Swarm Intelligence -- One-Class Ant-Miner: Selection of Majority Class Rules for Binary Rule-based Classification -- Towards a Many-Objective Optimiser for University Course Timetabling --

Empirical Investigation of MOEAs for Multi-objective Design of Experiments -- Evolutionary Continuous Optimization of Hybrid Gene Regulatory Networks -- Designing Attention based Convolutional Neural Network (CNN) Architectures for Medical Image Classification using Genetic Algorithm based on Variable Length-encoding Scheme -- A Multi-objective 3D Offline UAV Path Planning Problem with Variable Flying Altitude -- An Elitist Non-dominated Heuristic Resolution for the Dynamic Asset Protection Problem.

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**Sommario/riassunto**

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This book constitutes the refereed post-conference proceedings of the 15th International Conference, *Évolution Artificielle*, EA 2022, held in Exeter, UK, during October 31–November 2, 2022. The 15 full papers were carefully reviewed and selected from 18 submissions. The papers cover a wide range of topics in the field of artificial evolution, including, but not limited to: evolutionary computation, evolutionary optimization, coevolution, artificial life, population dynamics, theory, algorithmic and modeling, implementations.

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