

1. Record Nr.	UNINA9911007367903321
Autore	Melin Patricia
Titolo	Modern Artificial Intelligence Based on Soft Computing Techniques // edited by Patricia Melin, Oscar Castillo
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-88279-2
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (533 pages)
Collana	Studies in Computational Intelligence, , 1860-9503 ; ; 1204
Altri autori (Persone)	CastilloOscar
Disciplina	006.3
Soggetti	Computational intelligence Artificial intelligence Computational Intelligence Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part 1.Neural Networks -- Chapter 1.A comparative analysis of convolutional neural networks for skin cancer classification -- Chapter 2.Application of Artificial Neural Networks as Surrogate Models for Credit Assignment in Heuristic Selection Algorithms for Combinatorial Problems -- Chapter 3.Semiconductor-Deep Learning for the Design and Simulation of Solar Energy Reservoir-Powered Thermogenerators -- Chapter 4.Self-organizing maps as neural models for different unsupervised clustering problems -- Chapter 5.Application of a new approach for the prediction of inflation, exchange rate and gross national income in North American countries using Supervised Neural Networks -- Chapter 6.A Comparative Study of Transfer Learning and Fine-Tuning for Facial Paralysis Image Classification -- Part 2.Type-1 and Type-2 Fuzzy Systems -- Chapter 7.Intelligent Hybrid System for Kidney Image Classification Using Neural Networks and Fuzzy Logic -- Chapter 8.Optimization of Fuzzy Controllers using an Interval Type-2 Fuzzy Variant of the Multiverse Optimizer Algorithm -- Chapter 9. Optimal Design of Fuzzy Controllers with the Cuckoo Search Algorithm -- Chapter 10.Fuzzy estimation of slope value for the LeakyReLU applied to convolutional neural networks -- Chapter 11.Analysis and Intuitionistic Fuzzy Estimations on Solar Modules Efficiency -- Part 3. Metaheuristics -- Chapter 12.Grasshopper Optimization Algorithm

Based Recommender System -- Chapter 13. Hybridization of the Mayfly and Roach infestation optimization collective Intelligence algorithms with fuzzy system-based parameter adaptation -- Chapter 14. Hybridization of change adaptation mechanisms to solve multi - objective dynamic problems -- Chapter 15. Metaheuristic-Based Route Planning for Efficient EV Charging Station Networks -- Chapter 16. A Hybrid ACO-MOGA Algorithm and Bio-Inspired Algorithms for Optimization of Vehicle Routing Problems -- Chapter 17. Micro differential evolution algorithm with self-adaptation for numerical optimization -- Part 4. Optimization -- Chapter 18. Applications of Bin Packing Problems in Cloud Computing -- Chapter 19. Genetic Algorithms and Q-Learning for the Optimization of the STSP Problem in Urban Mobility -- Chapter 20. Explicit Analysis of Three Popular Backpropagation Optimizers -- Chapter 21. Lower Limbs Varicose Veins Detection using Thermography: A State-of-the-art Review -- Chapter 22. Generating Feasible Solutions Through a Heuristic Approach in a Water Use Optimization Model Based on the Transportation Problem -- Part 5. Type-3 Fuzzy Systems -- Chapter 23. Type-3 Fuzzy System for Modeling Hotel Selection Decision[1] Making -- Chapter 24. Optimization of Interval Type-3 Fuzzy Inference Systems using a Genetic Algorithm applied to Medical Classification -- Chapter 25. Comparison of Type-1, Type-2 and Type-3 fuzzy Integrators for Ensemble Neural Networks Applied to Bitcoin Prediction -- Chapter 26. Review of Type-3 Fuzzy Logic: Theory and Applications -- Chapter 27. Type-3 Fuzzy System for Modeling the Decision of Process in Buying a Car.

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#### Sommario/riassunto

This book describes what we can call modern artificial intelligence that includes the theoretical developments and applications of soft computing techniques. Soft computing includes fuzzy logic, neural networks and meta-heuristic algorithms, as well as their hybrid combinations. There are papers with the main topics from type-1 to type-3 fuzzy logic, which basically consists of a group of papers that propose new concepts and algorithms based on type-1, type-2 and type-3 fuzzy logic and their applications. There are also papers that present theory and practice of meta-heuristics in diverse application areas. There are interesting papers on different applications of fuzzy logic, neural networks and hybrid intelligent systems in medical problems. In addition, we can find papers describing applications of fuzzy logic, neural networks and meta-heuristics in robotics problems.

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2. Record Nr.	UNINA9910971039203321
Titolo	Atlas of industrializing Britain 1780-1914 // edited by John Langton and R.J. Morris
Pubbl/distr/stampa	London, : Methuen, 1986
ISBN	1-135-83644-2 1-135-83645-0 1-138-40817-4 1-280-40450-7 0-203-47254-3
Descrizione fisica	xxx, 246 p. : maps
Altri autori (Persone)	LangtonJohn MorrisR. J (Robert John)
Disciplina	912/.1330941
Soggetti	Industries - History Industries - Great Britain Great Britain Economic conditions Maps Great Britain Social conditions Maps
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	chapter 1 The physical environment St John's College and School of Geography, University of Oxford / John Langton -- chapter 2 Population / Richard Lawton -- chapter 3 Regional structure and change / Clive Lee -- chapter 4 Agriculture / Mark Overton -- chapter 5 Rural settlements / Brian Roberts -- chapter 6 Wages / E.H.Hunt -- chapter 7 Wind and water power / Paul Laxton -- chapter 8 Coal and steam power / Nick von Tunzelmann -- chapter 9 Transport / Michael Freeman -- chapter 10 Sea trade / Gordon Jackson -- chapter 11 Textiles / Paul Laxton -- chapter 12 Chemicals Jesus College and School of Geography, University of Oxford / Kenneth Warren -- chapter 13 Brewing and distilling / R.B.Weir -- chapter 14 Leather footwear / P. R.Mounfield -- chapter 15 Iron and steel / Philip Riden -- chapter 16 Shipbuilding / Anthony Slaven -- chapter 17 Engineering -- John R. Hume and Miles Oglethorpe / John R.Hume -- chapter 18 Services / Clive Lee -- chapter 19 Banking and finance / P.L.Cottrell -- chapter 20

Wealth and the wealthy / W.D.Rubinstein -- chapter 21 Poor law and pauperism / Ian Levitt -- chapter 22 Urbanization / R.J.Morris -- chapter 23 Retail patterns / Gareth Shaw -- chapter 24 Labour protest 1780-1850 / Andrew Charlesworth -- chapter 26 Popular institutions / Martin Purvis -- chapter 27 Sport / Wray Vamplew -- chapter 28 Languages and dialects / John Langton -- chapter 29 Education / W.E. Marsden -- chapter 30 Religion -- Hugh McLeod -- chapter 31 The electoral system / Michael Hurst.

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Sommario/riassunto

Annotation

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