

1. Record Nr.	UNINA9910701423303321
Autore	Trent Robert
Titolo	Torsional stiffness of railroad coupler connections [[electronic resource] /] / [Robert Trent, Anand Prabhakaran, and Vinaya Sharma]
Pubbl/distr/stampa	Washington, DC : , : U.S. Dept. of Transportation, Federal Railroad Administration, Office of Research and Development, , [2010]
Descrizione fisica	1 online resource (v, 38 pages) : illustrations (some color)
Altri autori (Persone)	PrabhakaranAnand SharmaVinaya
Soggetti	Couplers (Railroad cars) - Safety measures Torque - Testing Tank cars - Safety measures
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Apr. 5, 2012). "November 2010." "Performing organization, Sharma & Associates, Inc."--Rept. documentation p. "DOT/FRA/ORD-10/13."
Nota di bibliografia	Includes bibliographical references (page 29).

2. Record Nr.	UNINA9910484962003321
Titolo	Recent Advances of Hybrid Intelligent Systems Based on Soft Computing // edited by Patricia Melin, Oscar Castillo, Janusz Kacprzyk
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-58728-2
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (VIII, 341 p. 203 illus., 153 illus. in color.)
Collana	Studies in Computational Intelligence, , 1860-9503 ; ; 915
Disciplina	004.259
Soggetti	Computational intelligence Artificial intelligence Computational Intelligence Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Optimization of Fuzzy Logic Controllers with Distributed Bio-Inspired Algorithms -- Parallel-machine scheduling problem: An experimental study of instances difficulty and algorithms performance -- Comparison of Genetic Algorithm and Particle Swarm Optimization of Ensemble Neural Networks for Complex Time Series Prediction -- Path Planning by Search Algorithms in Graph-represented Workspaces -- Evaluation of Deep Learning Algorithms for Traffic Sign Detection to Implement on Embedded Systems -- Performance comparison of Parallel PSO-GA algorithm with dynamic parameter adjustment using Type-1 and Interval Type-2 Fuzzy Systems -- A novel study of the Multi-verse Optimizer and its applications on multiple areas of Computer Science -- Comparative Study of Type-1 and Interval Type-2 Fuzzy Systems in Parameter Adaptation of the Fuzzy Flower Pollination Algorithm -- A Comparative Study of the Grey Wolf Optimizer and Firefly Algorithm in Mathematical Benchmark Functions of the CEC 15 Competition -- Optimization of fuzzy controllers for autonomous mobile robots using the Stochastic Fractal Search method -- Fuzzy Dynamic Parameter Adaptation for Particle Swarm Optimization of Modular Granular Neural Networks applied to Time Series Prediction -- Review of fuzzy control for path tracking in the Robotino system --

Optimization of routes of a robot using bioinspired algorithms --
Optimal design of fuzzy logic systems through a Chicken Search
Optimization algorithm applied to a benchmark problem --
Optimization of fuzzy trajectory tracking in autonomous mobile robots
based on bio-inspired algorithms -- Swarm Intelligence: A Review of
Optimization Algorithms Based on Animal Behavior -- Optimization of
fuzzy systems through metaheuristics in control systems -- Optimal
design of interval type-2 fuzzy tracking controllers of mobile robots
using a metaheuristic algorithm.

Sommario/riassunto

This book describes recent advances on fuzzy logic, neural networks and optimization algorithms, as well as their hybrid combinations, and their application in areas such as intelligent control and robotics, pattern recognition, medical diagnosis, time series prediction and optimization of complex problems. The book contains a collection of papers focused on hybrid intelligent systems based on soft computing. There are some papers with the main theme of type-1 and type-2 fuzzy logic, which basically consists of papers that propose new concepts and algorithms based on type-1 and type-2 fuzzy logic and their applications. There are also some papers that present theory and practice of meta-heuristics in different areas of application. Another group of papers describes diverse applications of fuzzy logic, neural networks and hybrid intelligent systems in medical applications. There are also some papers that present theory and practice of neural networks in different areas of application. In addition, there are papers that present theory and practice of optimization and evolutionary algorithms in different areas of application. Finally, there are some papers describing applications of fuzzy logic, neural networks and meta-heuristics in pattern recognition problems.
