

1. Record Nr.	UNINA9910726285503321
Titolo	Applied Mathematics and Computational Intelligence : ICAMCI-2020, Tripura, India, December 23–24 // edited by Oscar Castillo, Uttam Kumar Bera, Dipak Kumar Jana
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-19-8194-9
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (254 pages)
Collana	Springer Proceedings in Mathematics & Statistics, , 2194-1017 ; ; 413
Disciplina	510
Soggetti	Mathematics Computational intelligence Differential equations Applications of Mathematics Computational Intelligence Differential Equations Intel·ligència computacional Congressos Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	A. Bajpai and P. Kumar Sharma, Free Vibration Analysis of Generalized Thermoelastic Homogeneous Isotropic plate with Two Temperatures -- Premkumar P.S., Nadaraja Pillai S., Arunvinthan S., and S. Teja, Analysis of Heat Transfer Coefficients and Pressure Drops in Surface Condenser with Different Baffle Spacing -- U.M. Pirzada, S. Rama Mohan, Fuzzy Form of Euler Method to Solve Fuzzy Differential Equations and its Application -- K. Bhattacharya and S. Kumar De, Intuitionistic Fuzzy Metrics and its Application -- H Singh, Complex Structure of Number in Language Processing -- A. George, S. Rukhande, and D. Pillai, Digital Newspaper using Augmented Reality -- Dimplekumar N. Chalishajar and R. Ramesh, Nonlocal Fuzzy Solutions for Abstract Second-Order Differential Equations -- J. Grover and S. Singhal, Performance Assessment of Routing Protocols in Cognitive Radio Vehicular ad-hoc Networks -- T. Jalal and I. A. Malik, Infinite System of Second-Order

Differential Equations in Banach Space  $c_0$  -- B. HemaSundar Raju, Fourth-Order Computations of Mixed Convection Heat Transfer Past a Flat Plate for Liquid Metals in Elliptical Cylindrical Coordinates -- D. Dey and R. Borah, Steady and Unsteady Solutions of Free Convective Micropolar Fluid Flow Near the Lower Stagnation Point of a Solid Sphere -- I. Agrawal, T. Sharma and N. K. Verma, Low-Light Image Restoration using Dehazing based Inverted Illumination Map Enhancement -- A. Venkatesh and R. Gomathi Bhavani, Mathematical Modelling of Probability and Profit of Single Zero Roulette to Enhance Understanding of Bets -- M. Mohan and L. Pattabiraman, Application of Blockchain in Food Safety -- T. Sen, Non-linear Computational Crack Analysis of Flexural Deficit Carbon and Glass FRP Wrapped Beams -- R. Mitra, S. Gope, A. Goswami, P. K. Tiwari, Economic Benefit Analysis by Integration of Different Comparative Methods for FACTS Devices -- A. K. Mondal, S. Pareek, A. Bera and B. Sarkar, Optimal Pricing with Servicing Effort in Two Remanufacturing Scenarios of a Closed-Loop Supply Chain -- F. Valdez, O. Castillo, and P. Melin, A Review on Type-2 Fuzzy Systems in Robotics and Prospects for Type-3 Fuzzy -- O. Castillo, P. Melin and Juan R. Castro, A Proposal for Interval Type-3 Fuzzy Sets Mathematical Definitions -- Z. Jankova, P. Dostal, D. K. Jana, S. Roy, S. Bhattacharjee and B. Bej, Optimization of Solubilization of Palm Oil Mill Effluent (POME) by using Interval Imprecise Data Set.

---

### Sommario/riassunto

This book contains select papers presented at the International Conference on Applied Mathematics and Computational Intelligence (ICAMCI-2020), held at the National Institute of Technology Agartala, Tripura, India, from 19–20 March 2020. It discusses the most recent breakthroughs in intelligent techniques such as fuzzy logic, neural networks, optimization algorithms, and their application in the development of intelligent information systems by using applied mathematics. The book also explains how these systems will be used in domains such as intelligent control and robotics, pattern recognition, medical diagnosis, time series prediction, and complicated problems in optimization. The book publishes new developments and advances in various areas of type-3 fuzzy, intuitionistic fuzzy, computational mathematics, block chain, crack analysis, supply chain, soft computing, fuzzy systems, hybrid intelligent systems, thermos-elasticity, etc. The book is targeted to researchers, scientists, professors, and students of mathematics, computer science, applied science and engineering, interested in the theory and applications of intelligent systems in real-world applications. It provides young researchers and students with new directions for their future study by exchanging fresh thoughts and finding new problems.

---