

1. Record Nr.	UNINA9910731470903321
Titolo	Complex, Intelligent and Software Intensive Systems : Proceedings of the 17th International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2023) / / edited by Leonard Barolli
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	3-031-35734-5
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (432 pages)
Collana	Lecture Notes on Data Engineering and Communications Technologies, , 2367-4520 ; ; 176
Disciplina	629.8
Soggetti	Computational intelligence Engineering - Data processing Dynamics Nonlinear theories Computational Intelligence Data Engineering Applied Dynamical Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Quantum Algorithms for Trust-Based AI Applications -- Energy-Saving Multi-Version Timestamp Ordering Algorithm for Virtual Machine Environments -- Towards a Blockchain-based Crowdsourcing Method for Robotic Ontology Evolution -- Performance Evaluation of DTAG-based Recovery Method for DTN Considering a Real Urban RoadModel -- An Energy-aware Dynamic Algorithm for Changing Tree Structure and Process Migration in the Flexible Tree-based Fog Computing Model -- A CCM, SA and FDTD Based Mesh Router Placement Optimization in WMN -- Design of Communication Protocol for Virtual Power Plant System in Distribute Environment -- Fine-tuning VGG16 for Alzheimer's Disease Diagnosis -- Solving University Course Scheduling with Varied Constraints Using Integer Linear Programming -- A Novel hybrid Model based on CNN and Bi-LSTM for Arabic Multi-Domain Sentiment Analysis -- A Cost-Sensitive Ensemble Model for e-Commerce Customer Behavior Prediction with WeightedSVM -- Design

and Performance Evaluation of a Fuzzy-based System for Assessment of Emotional Trust -- Comparing Sampling Strategies for the Classification of Bi-Objective Problems by FLACCO Features -- Efficient FPGA Implementation of a Convolutional Neural Network for Surgical Image Segmentation Focusing on Recursive Structure -- A Mobile-Oriented GPU Implementation of a Convolutional Neural Network for Object Detection.

Sommario/riassunto

This book aims to deliver a platform of scientific interaction between the three interwoven challenging areas of research and development of future ICT-enabled applications: software intensive systems, complex systems and intelligent systems. Software intensive systems are systems, which heavily interact with other systems, sensors, actuators, devices, other software systems and users. More and more domains are involved with software intensive systems, e.g., automotive, telecommunication systems, embedded systems in general, industrial automation systems and business applications. Moreover, the outcome of web services delivers a new platform for enabling software intensive systems. Complex systems research is focused on the overall understanding of systems rather than its components. Complex systems are very much characterized by the changing environments in which they act by their multiple internal and external interactions. They evolve and adapt through internal and external dynamic interactions. The development of intelligent systems and agents, which is each time more characterized by the use of ontologies and their logical foundations, builds a fruitful impulse for both software intensive systems and complex systems. Recent research in the field of intelligent systems, robotics, neuroscience, artificial intelligence and cognitive sciences are very important factor for the future development and innovation of software intensive and complex systems.
