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Collana	Lecture Notes in Networks and Systems, , 2367-3389 ; ; 312
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Soggetti	Computational intelligence Artificial intelligence Computational Intelligence Artificial Intelligence
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Note generali	Includes index.
Nota di contenuto	Performance Comparison of CM and LDVM Router Replacement Methods for WMNs by WMN-PSOSA-DGA Hybrid Simulation System Considering Stadium Distribution of Mesh Clients -- Effects of Augmented Reality Markers for Networked Robot Navigation -- Algorithm Based on Local Search Method for Examination Proctors Assignment Problem Considering Various Constraints -- Bio-inspired VM Introspection for Securing Collaboration Platforms -- Artificial intelligence-based Early Prediction Techniques in Agri-tech Domain -- Automatic Measurement of Acquisition for COVID-19 related Information -- Algorithms for Mastering Board Game Nanahoshi Considering Deep Neural Networks -- Revealing COVID-19 data by data mining and visualization -- An approach to enhance academic ranking prediction with augmented social perception data -- A Fuzzy-based System for User Service Level Agreement in 5G Wireless Networks -- Cognitive Approach for Creation of Visual Security Codes -- Transformative Computing Based on Advanced Human Cognitive Processes -- Urszula Ogiela, Makoto Takizawa and Lidia Ogiela -- Topology as a Factor in Overlay Networks Designed to Support Dynamic

Systems Modeling -- A Genetic Algorithm for Parallel Unmanned Aerial Vehicle Scheduling: A Cost Minimization Approach -- A Movement Adjustment Method for DQN-based Autonomous Aerial Vehicle -- A self-learning clustering protocol in Wireless Sensor Networks for IoT Applications -- The Effect of Agents' Diversities on the Running Time of the Random Walk-Based Rendezvous Search -- A Study on Designing Autonomous Decentralized Method of User-Aware Resource Assignment in Large-Scale and Wide-Area NetworksSocial Media Data Misuse -- Deep Learning Approaches to Detect Real Time Events Recognition in Smart Manufacturing systems – A Short Survey -- A Comparison Study of CM and RIWM Router Replacement Methods for WMNs Considering Boulevard Distribution of Mesh Clients -- Consideration of Presentation Timing in Bicycle Navigation Using Smart Glasses -- Graph Convolution Network for Urban Mobile Traffic Prediction -- Deep Reinforcement Learning for Task Allocation in UAV-enabled Mobile Edge Computing -- Medical Image Analysis with NVIDIA Jetson GPU Modules -- Analysis of Optical Mapping Data with Neural Network -- Evolutionary Multi-level Thresholding for Breast Thermogram Segmentation -- Identification of the Occurrence of Poor Blood Circulation in Toes by Processing Thermal Images from Flir Lepton Module -- License Trading System for Video Contents Using Smart Contract on Blockchain -- Query Processing in Highly Distributed Environments -- Loose matching approach considering the time constraint for spatio-temporal content discovery -- Optimized Memory Encryption for VMs across Multiple Hosts -- Blockchain Simulation Environment on Multi-Image Encryption for Smart Farming Application.

Sommario/riassunto

This book provides latest research findings, innovative research results, methods and development techniques from both theoretical and practical perspectives related to intelligent social networks and collaborative systems, intelligent networking systems, mobile collaborative systems, secure intelligent cloud systems, etc., as well as to reveal synergies among various paradigms in such a multi-disciplinary field intelligent collaborative systems. With the fast development of the Internet, we are experiencing a shift from the traditional sharing of information and applications as the main purpose of the Web to an emergent paradigm, which locates people at the very centre of networks and exploits the value of people's connections, relations and collaboration. Social networks are also playing a major role in the dynamics and structure of intelligent Web-based networking and collaborative systems. Virtual campuses, virtual communities and organizations strongly leverage intelligent networking and collaborative systems by a great variety of formal and informal electronic relations, such as business-to-business, peer-to-peer and many types of online collaborative learning interactions, including the emerging e-learning systems. This has resulted in entangled systems that need to be managed efficiently and in an autonomous way. In addition, latest and powerful technologies based on grid and wireless infrastructure as well as cloud computing are currently enhancing collaborative and networking applications a great deal but also facing new issues and challenges. The principal purpose of the research and development community is to stimulate research that will lead to the creation of responsive environments for networking and, at longer-term, the development of adaptive, secure, mobile and intuitive intelligent systems for collaborative work and learning.