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   Disciplina   006.3

   Soggetti   Computational intelligence
                                 Artificial intelligence
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   Nota di contenuto   Network Coverage and Event Detection in Mobile Sensor Networks --
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                                 -- SDN Enabled IoT to Combat the DDoS Attacks -- Analysis of Existing
                                 Datasets of Household Objects for AI-enabled Techniques -- In silico
                                 Molecular Docking Study by using Bio-Informatics Database to
                                 Fabricate M Cell Targeting Nanocarrier System for Oral Delivery of
                                 Macromolecules -- Open Source Datasets for Colonoscopy Polyps and
                                 its AI-enabled Techniques -- Cloud based House Price Predictor App
                                 using Machine Learning -- Compendium of Qubit Technologies in
                                 Quantum Computing -- A Novel Post Quantum Piekert's Reconciliation
                                 Based Forward Secure Authentication Key Agreement for Mobile Devices

-- An Overview of IoT and Smart Application Environments: Research and Challenges -- Human Detection and Tracking Based on YOLOv3 and DeepSORT -- Smart City: Road Traffic Monitoring System Based on the Integration of IoT and ML -- Weed Detection in Crops using Lightweight EfficientNets -- Meta-Heuristics for the Single Channel PMU Placement Problem Considering Zero-Injection-Buses -- Comparative Analysis of Different Machine Learning Approaches for Sentiment Analysis -- A Comprehensive Investigation of Machine Learning Algorithms with SMOTE Integration to maximize F1 Score -- Detection of Pathological Myopia from Fundus Images.

Sommario/riassunto	This book gathers selected research papers presented at the Fourth International Conference on Communication and Intelligent Systems (ICCIS 2022), organized by National institute of Technology, Delhi, India, during December 19–20, 2022. This book presents a collection of state-of-the-art research work involving cutting-edge technologies for communication and intelligent systems. Over the past few years, advances in artificial intelligence and machine learning have sparked new research efforts around the globe, which explore novel ways of developing intelligent systems and smart communication technologies. The book presents single- and multi-disciplinary research on these themes in order to make the latest results available in a single, readily accessible source. The book is presented in two volumes.