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Nota di contenuto	Bar-code Recognition Based on Machine Vision -- Some Problems and Solutions for Non-absorbent Wall Climbing Robot -- SOC Estimation of Lithium Battery Based on BP Neural Network with Forgetting Factor -- Design of Train Circuit Parallel Monitoring System Based on CTCS -- Information Spaces and Efficient Information Accumulation in Calibration Problems -- The Novel Multi Source Method for the Randomness Extraction -- Post-Quantum Scheme with the Novel Random Number Generator with the Corresponding Certification Method -- Prediction of UWB Positioning Coordinates with or without Interference Based on SVM -- Analysis and Comparison of Routing and Switching Processes in Campus Area Networks Using Cisco Packet Tracer -- A Parallel Algorithm for the Detection of Eye Disease -- Systems Theory, Mechanics with Servoconstraints, Artificial Intelligence -- A New Approach to Search Engine Optimization Based on the Synthesis of a Virtual Promotion Map -- Software Reliability Models: A Brief Review and Some Concerns -- An Enhanced Session Based Login Authentication and Access Control Scheme Using Client File -- Electric Meters Monitoring System for Residential Buildings -- Implementation of Blockchain Technology for Secure Image Sharing Using Double Layer Steganography -- Nature-inspired DMU Selection and Evaluation in

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Sommario/riassunto	This book comprises high-quality peer-reviewed research papers presented at the 4th International Symposium on Computer Science, Digital Economy and Intelligent Systems (CSDEIS2022), held in Wuhan, China, from November 11–13, 2022, organized jointly by the Wuhan University of Technology, Hubei University of Technology, Wuhan University of Science and Technology, the Polish Operational and Systems Society, and the International Center of Informatics and Computer Science (ICICS). The topics discussed in the book include state-of-the-art papers in computer science and their technological applications; intelligent systems and intellectual approaches; digital economics and educational approaches. It is an excellent source of references for researchers, graduate students, engineers, management practitioners, and undergraduate students interested in computer science and its applications in engineering and management.