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| Collana                 | Lecture Notes on Data Engineering and Communications Technologies, , 2367-4520 ; ; 135                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Disciplina              | 006.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Soggetti                | Computational intelligence<br>Business logistics<br>Artificial intelligence<br>Computational Intelligence<br>Logistics<br>Artificial Intelligence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Nota di contenuto       | Accelerating Simulation of the PDE Solution by the Structure of the Convolutional Neural Network Modifying -- Combined Machine Learning Model for Covid-19 Analysis and Forecasting in Ukraine -- Power Consumption Analysis at MAC-sublayer of Wireless Sensor Networks -- Optimal Control with Prediction for the Process of Vacuum Membrane Distillation -- Improved Quantum Genetic Algorithm on Multilevel Quantum Systems for 0-1 Knapsack Problem -- Edge Intelligence for Medical Applications under Field Conditions -- Multipath Routing in Intelligent Transport Networks -- Artificial Intelligence Platform for Distant Computer-Aided Detection (CAdE) and Computer-Aided Diagnosis (CAdx) of Human Diseases -- Modification of the LSB Implementation Method of Digital Watermarks -- Datalogical Model of Dialogue Script -- Modified Method of Cryptocurrency Exchange Rate Forecasting Based on ARIMA Class Models with Data Verification -- Electrocardiogram Effective Analysis Based on the Random Forest Model with Preselected Parameters -- Digital Technology: Emerging Issue for Agriculture -- Neural Network Method |

of Items Catalog Forming for Online Store -- Methods of Constructing a Lighting Control System for Wireless Sensor Network "Smart Home" -- Material Planning with Hybrid Weed Invasion Algorithm under Cutting Problem Constraints -- Teaching Reform of Supply Chain Management Based on the Concept of Autonomous Learning -- Digitalization of the Educational Process of Training Future Engineering-teachers -- Application of POA in CET-4 Translation Teaching.

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Sommario/riassunto

The book comprises high-quality refereed research papers presented at the Second International Conference on Artificial Intelligence and Logistics Engineering (ICAILE2022), held in Kyiv, Ukraine, on February 20–22, 2022, organized jointly by the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute," Wuhan University of Technology, Nanning University, National Aviation University, and the International Research Association of Modern Education and Computer Science. The topics discussed in the book include state-of-the-art papers in artificial intelligence and logistics engineering. It is an excellent source of references for researchers, graduate students, engineers, management practitioners, and undergraduate students interested in artificial intelligence and its applications in logistics engineering.

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