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Soggetti	Computational intelligence Artificial intelligence Industrial engineering Production engineering Computational Intelligence Artificial Intelligence Industrial and Production Engineering
Lingua di pubblicazione	Inglese
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Nota di contenuto	Computer-Aided Event Tree Synthesis on the Basis of Case-Based Reasoning -- Security of Information Processes in Supply Chains -- External consistency maintenance algorithm for chain and stellate structures of algebraic Bayesian networks: statistical experiments for running time analysis -- Perspectives of Fast Clustering Techniques -- Impact of Security Aspects at the IOTA protocol -- Cryptographic Protocol Security Verification Of The Electronic Voting System Based On Blinded Intermediaries -- Learning Bayesian Network Structure for Risky Behavior Modelling -- On continuous user authentication via hidden free-text based monitoring -- Synthesis and Learning of Socially Significant Behavior Model with Hidden Variables -- Adaptation of the nonlinear stochastic lter on the basis of irregular exact measurements -- Visual analysis of information dissemination channels in social network for protection against inappropriate content

-- The problem of the anomaly detection in time series collections for dynamic objects -- Prediction and Detection of User Emotions Based on Neuro-Fuzzy Neural Networks in Social Networks -- Deep Learning in Vehicle Pose Recognition on Two-Dimensional Images -- Feature extraction of high-frequency patterns with the a priori unknown parameters in noised electrograms using spectral entropy -- Results of using neural networks to automatically creation musical compositions based on color image -- Intelligent integrated system for computer-aided design and complex technical objects' training -- Methods of Conceptual Modeling of Intelligent Decision Support Systems for Managing Complex Objects at All Stages of Its Life Cycle -- About the integration of learning and decision-making models in intelligent systems of real-time -- Intelligent planning and control of integrated expert system construction.

Sommario/riassunto

This book contains papers presented in the main track of IITI 2018, the Third International Scientific Conference on Intelligent Information Technologies for Industry held in Sochi, Russia on September 17–21. The conference was jointly co-organized by Rostov State Transport University (Russia) and VŠB – Technical University of Ostrava (Czech Republic) with the participation of Russian Association for Artificial Intelligence (RAAI). IITI 2018 was devoted to practical models and industrial applications related to intelligent information systems. It was considered as a meeting point for researchers and practitioners to enable the implementation of advanced information technologies into various industries. Nevertheless, some theoretical talks concerning the state-of-the-art in intelligent systems and soft computing were also included into proceedings.
