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   Computer communication systems
   Optical data processing
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   Systems and Data Security
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   Computer Communication Networks
   Image Processing and Computer Vision
   Legal Aspects of Computing

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   Note generali Includes index.

   Nota di contenuto Cloud Computing -- Fuzzy Clustering: A New Clustering Method in Heterogeneous Medical Records Searching -- NOAA-LSTM: A New Method of Dialect Identification -- Evaluation Method of Teachers' Teaching Ability Based on BP Neural Network -- Research on the Promotion of Tibetan New Words and Platform Design -- A Classification Model for Drug Addicts Based on Improved Random Forests Algorithm -- Studying L-Diversity and K-Anonymity over Datasets with Sensitive Fields -- Power System Transient Stability

Prediction Algorithm Based on ReliefF and LSTM -- A No-pairing Proxy Re-Encryption Scheme for Data Sharing in Untrusted Cloud -- E-sports Ban/Pick Prediction Based On Bi-LSTM Meta Learning Network -- Bottlenecks and Feasible Solutions of Data Field Clustering in Impact Factor, Time Resolution, Selecting Core Objects and Merging Process -- Detection of Microblog Overlapping Community Based on Multidimensional Information and Edge Distance Matrix -- Research on Settlement Deformation of Asphalt Pavement Structure in Soft Soil Zone Based on Pavement Settlement Theory -- Legal Case Inspection: An Analogy-based Approach to Judgment Evaluation -- A Novel Noise Filter Based on Multiple Voting -- Fuzzy Control Method for Path Tracking System of Combine Harvester -- Research on Opinion Spam Detection by Time Series Anomaly Detection -- Application of Machine Learning Methods for Material Classification with Multi-energy X-ray Transmission Images -- Intra-class Classification of Architectural Styles Using Visualization of CNN -- MSE-Net: Pedestrian Attribute Recognition using MLSC and SE-Blocks -- CBAM-GAN: Generative Adversarial Networks Based on Convolutional Block Attention Module -- A Novel Distributed Knowledge Reasoning Model -- Research on Detection Method Of Abnormal Traffic In SDN -- Research on Constructing Technology of Implicit Hierarchical Topic Network Based on FP-growth -- PPD-DL: Privacy-Preserving Decentralized Deep Learning -- Towards Edge Computing based Distributed Data Analytics Framework in Smart Grids -- Android Malware Identification Based on Traffic Analysis -- Unsupervised Traditional Chinese Medicine Text Segmentation Combined with Domain Dictionary -- Research on the Efficiency and Application of Ship- helicopter Cooperative Search -- Cellular Neural Network Based Contour Detection for Seismic Image -- Discovering New Sensitive Words Based on Sensitive Information Categorization -- A Dynamic Event Region Tracking Approach Based on Node Calibration -- A Graph Updating Method of Data Theft Detection Based on Rough Set -- A Tutorial of Graph Representation -- Ground-based Cloud Images Recognition Based on GAN and PCANet -- Sparse Representation-Based Radiomics in the Diagnosis of Thyroid Nodules -- Local Smoothing Constraint in Convolutional Neural Network for Image Denoising -- Perceptual Loss based Super-Resolution Reconstruction from Single Magnetic Resonance Imaging -- DWI Fiber Tracking with Functional MRI of White Matter -- Multi-objective Investment Decision Making Based on An Improved SPEA2 Algorithm -- Power Load Forecasting Based on Adaptive Deep Long Short-Term Memory Network -- Optimized White Matter Fiber Reconstruction Using Combination of Diffusion and Functional MRI -- Convolutional Neural Networks for Scene Image Recognition -- A Classification Model of Power Equipment Defect Texts Based on Convolutional Neural Network. -Research on Artificial Intelligence Technology in Computer Network Technology -- Research on Detection Method of Unhealthy Message in Social Network -- Image Authentication by Single Target Region Detection -- Security Approaches and Crypto Algorithms in Mobile Cloud Storage Environment to Ensure Data Security -- Probe-Polling: A polling based MAC protocol for Energy Harvesting Wireless Sensor Networks -- An Dynamic Protocol for the Quantum Secure Multi-party Summation based on Commutative Encryption -- Optimal Resource Allocation for Energy Harvesting Cognitive Radio Network with Q Learning -- Facial Expression Recognition Based on Complete Local Binary Pattern and Convolutional Neural Network -- A Novel Malware Detection and Classification Method Based on Capsule Network -- Application of Gradient Boosting Decision Tree in Wind Turbine Drivetrain Recognition -- Implementation of MD5 Collision Attack in

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| Sommario/riassunto | The 4-volume set LNCS 11632 until LNCS 11635 constitutes the refereed proceedings of the 5th International Conference on Artificial Intelligence and Security, ICAIS 2019, which was held in New York, USA, in July 2019. The conference was formerly called "International Conference on Cloud Computing and Security" with the acronym ICCCS. The total of 230 full papers presented in this 4-volume proceedings was carefully reviewed and selected from 1529 submissions. The papers were organized in topical sections as follows: Part I: cloud computing; Part II: artificial intelligence; big data; and cloud computing and security; Part III: cloud computing and security; information hiding; IoT security; multimedia forensics; and encryption and cybersecurity; Part IV: encryption and cybersecurity. |