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Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 1143
Disciplina	006.4
Soggetti	Pattern recognition systems Computer vision Computer networks Machine learning Automated Pattern Recognition Computer Vision Computer Communication Networks Machine Learning
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Livello bibliografico	Monografia
Nota di contenuto	Deep Residual-Dense Attention Network for Image Super-Resolution -- Discriminant Feature Learning with Self-Attention for Person Re-Identification -- SCS: Style and Content Supervision Network for Character Recognition with Unseen Font Style -- T-SAMnet: A Segmentation Driven Network for Image Manipulation Detection -- IRSNET:An Inception-Resnet Feature Reconstruction Model for Building Segmentation -- Residual CRNN and Its Application to Handwritten Digit String Recognition -- G-HAPNet: A Novel Structure for Single Image Super-Resolution -- inpainting with Sketch Reconstruction and Comprehensive Feature Selection -- Delving into Precise Attention in Image Captioning -- Dense Image Captioning based on Precise Feature Extraction -- Improve Image Captioning by Self-attention -- Dual-Path Recurrent Network for Image Super-Resolution -- Attention-based

Image Captioning Using DenseNet Features -- High-Performance Light Field Reconstruction with Channel-wise and SAI-wise Attention -- Image Generation Framework for Unbalanced License Plate Data Set -- Cross-Domain Scene Text Detection via Pixel and Image-level Adaptation -- Modified adaptive implicit shape model for object detection -- An Expert Validation Framework for Improving the Quality of Crowdsourced Clustering -- A Label Embedding Method for Multi-Label Classification via Exploiting Local Label Correlations -- The Inadequacy of Entropy-Based Ransomware Detection -- Attention Network for Product Characteristics Prediction based on Reviews -- Semi-supervised Regularized Coplanar Discriminant Analysis -- Multi-object tracking with Conditional Random Field -- Intra-Modality Feature Interaction using Self-attention For Visual Question Answering -- Reinforcement Learning with Attention that Works: A Self-Supervised Approach -- Budget Cost Reduction for Label Collection with Confusability based Exploration -- Prediction of Refactoring-Prone Classes using Ensemble Learning -- Analysis on Dropout Regularization -- On a convergence property of a geometrical algorithm for statistical manifolds -- Anomaly Detection Based on the Global-Local Anomaly Score for Trajectory Data -- Patch Selection Denoiser: An Effective Approach Defending against One-Pixel Attacks -- Demographic Prediction from Purchase Data based on Knowledge-Aware Embedding -- Addressing Reward Engineering for Deep Reinforcement Learning on Multi-Stage task -- High-Speed Synchronization of Pulse-Coupled Phase Oscillators on Multi-FPGA -- A New Approach to Automatic Heat Detection of Cattle in Video -- Accurate Localization Algorithm in Wireless Sensor Networks in the Presence of Cross Technology Interference -- On Handling Missing Values in Data Stream Mining Algorithms Based on the Restricted Boltzmann Machine -- LoRa Indoor Localization Based on Improved Neural Network for Firefighting Robot -- Stability Analysis of Multiobjective Robust Controller Employing Switching of Competitive Associative Nets -- Interpreting Layered Neural Networks via Hierarchical Modular Representation -- Application Identification of Network Traffic by Reservoir Computing -- A New Supervised Learning Approach: Statistical Adaptive Fourier Decomposition (SAFD) -- Artificial Neural Network-based Modeling for Prediction of Hardness of Austempered Ductile Iron -- Prediction of Hardness of Austempered Ductile Iron using Enhanced Multilayer Perceptron based on Chebyshev Expansion -- Improving Neural Network Classifier using Gradient-based Floating Centroid Method -- MON: Multiple Output Neurons -- Evaluation on Neural Network Models for Video-Based Stress Recognition -- Pruning Convolutional Neural Network With Distinctiveness Approach -- Semi-Supervised Domain Adaptation with Representation Learning for Semantic Segmentation across Time -- Regularizing Variational Autoencoders for Molecular Graph Generation -- Node-Edge Bilateral Attributed Network Embedding -- Info-Detection: An Information-Theoretic Approach to Detect Outlier -- Joint Grouping and Labeling via Complete Graph Decomposition -- Link Prediction with Attention-based Semantic Influence of Multiple Neighbors -- U-Net with Graph Based Smoothing Regularizer for Small Vessel Segmentation on Fundus Images -- NEOKNN: A Network Embedding Method Only Knowing Neighbor Nodes -- Hypergraph Regularized GM-pLSA: A Model to Learn the Latent Semantic Attributes -- Interactive Semantic Features Selection from Reviews for Recommendation -- DXNet: An Encoder-Decoder Architecture with XSPP for Semantic Image Segmentation in Street Scenes -- Anchor User Oriented Accordant Embedding for User Identity Linkage -- Event

Prediction in Complex Social Graphs via Feature Learning of Vertex Embeddings -- A Social Recommendation Algorithm with Trust and Distrust Considering Domain Relevance -- Performance Analysis of Spiking RBM with Measurement-Based Phase Change Memory Model -- Online Estimation and Control of Neuronal Nonlinear Dynamics Based on Data-driven Statistical Approach -- Sparse Estimation of Neuronal Network Structure with Observed Data -- Implementation of Spiking Neural Network with Wireless Communications -- Local Topic Detection using Word Embedding from Spatio-temporal Social Media -- Building Mongolian TTS Front-End with Encoder-Decoder Model by Using Bridge Method and Multi-view Features -- Code Summarization with Abstract Syntax Tree -- Attention based Shared Representation for Multi-Task Stance Detection and Sentiment Analysis -- Multi-document Summarization using Adaptive Composite Differential Evolution -- MIRU:A novel memory interaction recurrent unit -- RL-Gen: A Character-Level Text Generation Framework with Reinforcement Learning in Domain Generation Algorithm Case -- A Conditional Random Fields Based Framework for Multiview Sequential Data Modeling -- From signal to image then to feature: Decoding pigeon behavior outcomes during goal-directed decision-making task using time-frequency textural features -- Convolutional Grid Long Short-Term Memory Recurrent Neural Network for Automatic Speech Recognition -- Pattern Sequence Neural Network for Solar Power Forecasting -- Euler Recurrent Neural Network: Tracking the Input Contribution to Prediction on Sequential Data -- Exploiting Cluster Structure in Probabilistic Matrix Factorization -- Ensemble Classifier Generation Using Class-Pure Cluster Balancing -- Temporal Continuity Based Unsupervised Learning for Person Re-Identification -- Networking Self-Organising Maps and Similarity Weight Associations.

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#### Sommario/riassunto

The two-volume set CCIS 1142 and 1143 constitutes thoroughly refereed contributions presented at the 26th International Conference on Neural Information Processing, ICONIP 2019, held in Sydney, Australia, in December 2019. For ICONIP 2019 a total of 345 papers was carefully reviewed and selected for publication out of 645 submissions. The 168 papers included in this volume set were organized in topical sections as follows: adversarial networks and learning; convolutional neural networks; deep neural networks; embeddings and feature fusion; human centred computing; human centred computing and medicine; human centred computing for emotion; hybrid models; image processing by neural techniques; learning from incomplete data; model compression and optimization; neural network applications; neural network models; semantic and graph based approaches; social network computing; spiking neuron and related models; text computing using neural techniques; time-series and related models; and unsupervised neural models.

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