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Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 11818
Disciplina	006.4
Soggetti	Biometrics (Biology) Optical data processing Artificial intelligence Computer organization User interfaces (Computer systems) Computer security Biometrics Image Processing and Computer Vision Artificial Intelligence Computer Systems Organization and Communication Networks User Interfaces and Human Computer Interaction Systems and Data Security
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Hand-Based Biometrics -- Local Discriminative Direction Extraction for Palmprint Recognition -- Fingerprint Presentation Attack Detection via Analyzing Fingerprint Pairs -- Finger Vein Recognition Based on Double-Orientation Coding Histogram -- Fingerprint Classification Based on Lightweight Neural Networks -- 3D Fingerprint Gender Classification Using Deep Learning -- A Novel Method for Finger Vein Recognition -- Rolled Fingerprint Mosaicking Algorithm Based on Block Scale -- Study and Realization of Partial Fingerprint Mosaicking

Technology for Mobile Devices -- Gesture, Gait and Action --  
Multiscale Temporal Network for Video-based Gait Recognition --  
Global and Local Spatial-Attention Network for Isolated Gesture  
Recognition -- Authentication System Design Based On Dynamic Hand  
Gesture -- Feature Extraction and Classification Theory -- Structure  
Feature Learning: Constructing Functional Connectivity Network for  
Alzheimer's disease Identification and Analysis -- Weakly Supervised  
Learning of Image Emotion Analysis Based on Cross-spatial Pooling --  
Embarrassingly Easy Zero-Shot Image Recognition -- On the  
Generalization of GAN Image Forensics -- Face -- Deep Residual  
Equivariant Mapping for Multi-Angle Face Recognition -- The Impact of  
Data Correlation on Identification of Computer-Generated Face Images  
-- Face Image Deblurring Based on Iterative Spiral Optimization --  
AdaptiveNet: Toward an Efficient Face Alignment Algorithm -- Cross-  
dimension Transfer Learning for Video-based Facial Expression  
Recognition -- Exploring Shape Deformation in 2D Images for Facial  
Expression Recognition -- Facial attractiveness prediction by Deep  
Adaptive Label Distribution Learning -- LWFD:A Simple Light-Weight  
Network for Face Detection -- Dairy Cow Tiny Face Recognition Based  
on Convolutional Neural Networks -- Reconstructed Face Recognition  
-- A Two-Stage Method for Assessing Facial Paralysis Severity by  
Fusing Multiple Classifiers -- Latent Spatial Features Based on  
Generative Adversarial Networks for Face Anti-spoofing -- Similarity  
Measurement between Reconstructed 3D Face and 2D Face based on  
Deep Learning -- Real-time Face Occlusion Recognition Algorithm  
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Focal Loss-based Multi-task Convolutional Neural Networks -- A Face  
Recognition Workflow Based upon Similarity Measurement -- 106-Point  
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Regression -- Eye-Based Biometrics -- Long Range Pupil Location  
Algorithm Based on the Improved Circle Fitting Method -- Multi-source  
heterogeneous iris recognition using Locality Preserving Projection --  
Iris Recognition Based on Adaptive Optimization Log-Gabor Filter and  
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improved deep U-net -- Multi-pyramid Optimized Mask R-CNN for Iris  
Detection and Segmentation -- Constrained Sequence Iris Quality  
Evaluation Based on Causal Relationship Decision Reasoning -- Iris  
Image Super Resolution based on GANs with Adversarial Triplets --  
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to end robust recognition method for iris using a dense deep  
convolutional neural network -- Emerging Biometrics -- X-Ray Image  
With Prohibited Items Synthesis Based on Generative Adversarial  
Network -- A Deep learning Approach to Web Bot Detection Using  
Mouse Behavioral Biometrics -- Multi-task Deep Learning for Child  
Gender and Age Determination on Hand Radiographs -- Shoe Pattern  
Recognition: A Benchmark -- Learning Discriminative Representation  
for ECG Biometrics Based on Multi-Scale 1D-PDV -- O-line  
handwritten signature recognition based on discrete curvelet transform  
-- Research on automatic classification method of footwear under low  
resolution condition -- Behavioral Biometrics -- Low-resolution Person  
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DHML: Deep Heterogeneous Metric Learning for VIS-NIR Person Re-  
identification -- Teager Energy Operator based Features with x-vector  
for Replay Attack Detection -- Video Human Behaviour Recognition  
Based on Improved SVM KNN for Traceability of Planting Industry --  
Application of Unscented Kalman Filter in Tracking of Video Moving  
Target -- Similarity Scores based Re-Classification for Open-Set Person  
Re-Identification -- The GMM and I-vector Systems Based on Spoofing

Sommario/riassunto

The LNCS volume 11818 constitutes the proceedings of the 14th Chinese Conference on Biometric Recognition, held in Zhuzhou, China, in October 2019. The 56 papers presented in this book were carefully reviewed and selected from 74 submissions. The papers cover a wide range of topics such as face recognition and analysis; hand-based biometrics; eye-based biometrics; gesture, gait, and action; emerging biometrics; feature extraction and classification theory; and behavioral biometrics.

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