

IJCB 2020 Accepted Papers

Orals	
Paper ID	Paper Title
26	Identity Document to Selfie Face Matching Across Adolescence
33	DVRNet: Decoupled Visible Region Network for Pedestrian Detection
34	PF-cpGAN: Profile to Frontal Coupled GAN for Face Recognition in the Wild
37	Recognition Oriented Iris Image Quality Assessment in the Feature Space
40	Is Warping-based Cancellable Biometrics (still) Sensible for Face Recognition ?
48	Distinctive Feature Representation for Contactless 3D Hand Biometrics using Surface Normal Directions
69	Are Gabor Kernels Optimal for Iris Recognition?
88	Dense-View GEIs Set: View Space Covering for Gait Recognition based on Dense-View GAN
90	Generating Master Faces for Use in Performing Wolf Attacks on Face Recognition Systems
116	Long-Term Face Tracking for Crowded Video-Surveillance Scenarios
121	How Confident Are You in Your Estimate of a Human Age? Uncertainty-aware Gait-based Age Estimation by Label Distribution Learning
122	Partial Fingerprint Verification via Spatial Transformer Networks
138	Occlusion-Adaptive Deep Network for Robust Facial Expression Recognition
140	Touch Behavior Based Age Estimation Toward Enhancing Child Safety
141	All-in-Focus Iris Camera With a Great Capture Volume
155	Your Tattletale Gait
159	Beyond Identity: What Information Is Stored in Biometric Face Templates?
176	An Assessment of GANs for Identity-related Applications
182	Analysing the Performance of LSTMs and CNNs for Fingerprint Presentation Attack Detection
184	Inverse Biometrics: Reconstructing Grayscale Finger Vein Images from Binary Features
195	Open Source Iris Recognition Hardware and Software with Presentation Attack Detection
199	Clustered Dynamic Graph CNN for Biometric 3D Hand Shape Recognition
208	D-NetPAD: An Explainable and Interpretable Iris Presentation Attack Detector
214	Modeling Score Distributions and Continuous Covariates: A Bayesian Approach
234	A Brief Literature Review and Survey of Adult Perceptions on Biometric Recognition for Infants and Toddlers

Short Orals	
Paper ID	Paper Title
2	A Progressive Stack Face-based Network for Detecting Diabetes Mellitus and Breast Cancer
6	White-Box Evaluation of Fingerprint Matchers: Robustness to Minutiae Perturbations
11	LDM-DAGSVM: Learning Distance Metric via DAG Support Vector Machine for Ear Recognition
13	Is Face Recognition Safe from Realizable Attacks?
18	FGAN: Fan-Shaped GAN for Racial Transformation
21	Specular- and Diffuse-reflection-based Face Spoofing Detection for Mobile Devices
22	How Does Gender Balance In Training Data Affect Face Recognition Accuracy?
29	FEBA –An Anatomy Based Finger Vein Classification
31	Face Quality Estimation and Its Correlation to Demographic and Non-Demographic Bias in Face Recognition
41	Cross-Spectral Periocular Recognition with Conditional Adversarial Networks
42	Learning to Learn Face-PAD: a lifelong learning approach

IJCB 2020 Accepted Papers

44	Facial landmark detection on thermal data via fully annotated visible-to-thermal data synthesis
49	Using Deep Learning for Fusion of Eye and Mouse Movement based User Authentication
51	Leveraging Auxiliary Tasks for Height and Weight Estimation by Multi Task Learning
52	Sensitivity of Age Estimation Systems to Demographic Factors and ImageQuality: Achievements and Challenges
55	Micro Stripes Analyses for Iris Presentation Attack Detection
57	Spoof-Proof Biometric Identification using Micro-Movements of the Eyes
61	Backdooring Convolutional Neural Networks via Targeted Weight Perturbations
63	IHashNet: Iris Hashing Network based on efficient multi-index hashing
66	Fingerprint Synthesis: Search with 100 Million Prints
67	Fingerprint Spoof Detection: Temporal Analysis of Image Sequence
68	On the Influence of Ageing on Face Morph Attacks: Vulnerability and Detection
71	On Benchmarking Iris Recognition within a Head-mounted Display for AR/VR Applications
76	Characterizing Light-Adapted Pupil Size in the NIR Spectrum
77	Face Recognition Oak Ridge (FaRO): A Framework for Distributed and ScalableBiometrics Applications
78	DBLFace: Domain-Based Labels for NIR-VIS Heterogeneous Face Recognition
79	Unconstrained Face Identification using Ensembles trained on Clustered Data
89	Mobile Twin Recognition
95	Baracca: a Multimodal Dataset for Anthropometric Measurements in Automotive
108	Iterative Weak/Self-Supervised Learning Frameworks for Abnormal Events Detection
114	Finding the Suitable Doppelgänger for a Face Morphing Attack
115	All-in-one 'HairNet': A Deep Neural Model for Joint Hair Segmentation and Characterization
118	AdvFaces: Adversarial Face Synthesis
119	Anomaly Detection-Based Unknown Face Presentation Attack Detection
123	TypeNet: Scaling up Keystroke Biometrics
126	Fingerprint Presentation Attack Detection: A Sensor and Material Agnostic Approach
127	Analysis of Dilation in Children and its Impact on Iris Recognition
129	Resist : Reconstruction of irises from templates
131	Cross-Spectral Iris Matching Using Coupled cGAN
135	Feature map masking based single-stage face detection
139	Assessing the Quality of Swipe Interactions for Mobile Biometric Systems
147	Domain Private and Agnostic Feature for Modality Adaptive Face Recognition
150	3DPC-Net: 3D Point Cloud Network for Face Anti-spoofing
151	How Do the Hearts of Deep Fakes Beat? Deep Fake Source Detection via Interpreting Residuals with Biological Signals
153	DeformGait: Gait Recognition under Posture Changes using Deformation Patterns between Gait Feature Pairs
158	Pixel Sampling for Style Preserving Face Pose Editing
164	3D Iris Recognition using Spin Images
183	Cross Modal Person Re-identification with Visual-Textual Queries
196	iLGaCo: Incremental Learning of Gait Covariate Factors
197	Cross-Domain Identification for Thermal-to-Visible Face Recognition
204	Swipe dynamics as a means of authentication: results from a Bayesian unsupervised approach
211	Gait Recognition Based on 3D Skeleton Data and Graph Convolutional Network
212	Leveraging edges and optical flow on faces for deepfake detection
213	Fingerprint Feature Extraction by Combining Texture, Minutiae, and Frequency Spectrum Using Multi-Task CNN
216	Gender and Ethnicity Classification based on Palmprint and Palmar Hand Images from Uncontrolled Environment
218	A Metric Learning Approach to Eye Movement Biometrics

IJCB 2020 Accepted Papers

227	De-biasing Existing Classification Models Using Diversity Blocks
229	Development of deep clustering model to stratify occurrence risk of diabetic foot ulcers based on foot pressure patterns and clinical indices
237	SSBC 2020: Sclera Segmentation Benchmarking Competition in the Mobile Environment
239	Iris Liveness Detection Competition (LivDet-Iris) – The 2020 Edition