

# 第十四届中国生物特征识别大会日程

2019年10月11日, 周五 Friday, October 11<sup>th</sup>, 2019

9:00-21:00	会议签到、注册 地点: 延年广场酒店大厅	Registration Venue: Yannian Plaza Hotel Lobby
14:00-17:00	讲习班 主题: 人脸识别中的安全问题 地点: 延年广场酒店 14 楼多功能厅 主持人: 董晶 副研究员, 中国科学院自动化研究所	Tutorial Topic: Security issues in face recognition Location: Yannian Plaza Hotel Functional Conference Hall on 14 <sup>th</sup> Floor Chair: Jing Dong, Associate Professor of Chinese Academy of Sciences (CASIA)

2019年10月12日, 周六 Saturday, October 12<sup>th</sup>, 2019

地点: 延年广场酒店 14 楼多功能厅 Venue: Yannian Plaza Hotel Functional Conference Hall on 14<sup>th</sup> Floor

8:00-18:00	会议签到、注册	Registration
9:00-9:30	开幕式 主持人: 张昌凡 教授, 湖南工业大学副校长 • 欢迎致辞: 谭益民 教授, 湖南工业大学党委书记 • 大会组织报告: 朱文球 教授, 湖南工业大学人工智能学院执行副院长 • 合影	Opening Ceremony Chair: Changfan Zhang, Executive Vice President of Hunan University of Technology • Welcome Speech: Yimin Tan, Secretary of CPC Committee of Hunan University of Technology • Organization Report: Wenqiu Zhu, Executive Vice President, College of Artificial Intelligence, Hunan University of Technology • Group Photo
9:30-10:30	特邀报告 1: 生物特征识别的最新进展和未来方向 报告人: 谭铁牛 研究员, 中国科学院自动化研究所 主持人: 刘扬 教授, 湖南工业大学校长	Keynote Speech 1: Recent Advances and Future Directions of Biometric Recognition Speaker: Tieniu Tan, Professor of Institute of Automation, Chinese Academy of Sciences (CASIA) Chair: Yang Liu, President of Hunan

		University of Technology
10:30-10:50	茶歇	Coffee Break
10:50-12:00	论文口头报告 1: 面部生物特征识别 主持人: 唐云祁 副教授, 中国公安大学	Oral Session 1: Facial biometric recognition Chair: Yunqi Tang, Associate Professor of Chinese People's Public Security University
12:00-13:30	午餐 地点: 酒店 16 楼餐厅	Lunch: Canteen on 16 <sup>th</sup> Floor
13:30-14:30	特邀报告 2: 有效性和可解释性兼具的生物特征识别 报告人: C.-C. Jay Kuo 教授, 美国南加州大学 主持人: 孙哲南 研究员, 中国科学院自动化研究所	Keynote Speech 2: Towards Effective and Explainable Biometrics Speaker: C.-C. Jay Kuo, Professor of University of Southern California Chair: Zhenan Sun, Professor of Institute of Automation, Chinese Academy of Sciences (CASIA)
14:30-15:30	论文口头报告 2: 手部生物特征识别 主持人: 库尔班·吾布力 教授, 新疆大学	Oral Session 2: Hand biometric recognition Chair: Kurban Ubul, Professor of Xinjiang University
15:30-15:40	茶歇	Coffee Break
15:40-16:50	墙报论文展示 1: 面部生物特征识别	Poster Session 1: Facial biometric recognition
16:50-18:00	墙报论文展示 2: 手部生物特征识别	Poster Session 2: Hand biometric recognition
18:00-20:00	晚宴及颁奖仪式 地点: 酒店 14 楼多功能厅	Banquet & Award Ceremony Location: Functional Conference Hall on 14 <sup>th</sup> Floor

2019 年 10 月 13 日, 周日 Sunday, October 13<sup>th</sup>, 2019

地点: 延年广场酒店 14 楼多功能厅 Venue: Yannian Plaza Hotel Functional Conference Hall on 14<sup>th</sup> Floor

9:00-10:00	特邀报告 3: 生物特征识别的未来之路 报告人: Mark Nixon 教授, 英国南安普敦大学 主持人: 方昱春 副研究员, 上海大学	Keynote Speech 3: A Future of Biometrics Speaker: Mark Nixon, Professor of University of Southampton Chair: Yuchun Fang, Associate Professor of Shanghai University
10:00-10:20	茶歇	Coffee Break
10:20-11:20	论文口头报告 3: 行为生物特征识别 主持人: 王伟 副研究员, 中国	Oral Session 3: Behavioral biometric recognition Chair: Wei Wang, Associate

	科学院自动化研究所	Professor of Automation, Chinese Academy of Sciences (CASIA)
11:20-12:30	墙报演示论文 3: 行为生物特征识别	Poster Session 3: Behavioral biometric recognition
12:30-14:00	午餐 地点: 酒店 16 楼餐厅	Lunch: Canteen on 16th Floor
14:00-15:00	特邀报告 4: 人脸识别真的足够安全吗? 报告人: Pong C Yuen 教授, 香港浸会大学 主持人: 张啸云 博士, 湖南工业大学	Keynote Speech 4: Is Face Recognition Secure? Speaker: Prof. Pong C Yuen, Hong Kong Baptist University Chair: Dr. Xiaoyun Zhang, Hunan University of Technology
15:00-16:00	论文口头报告 4: 新兴生物特征识别 主持人: 杨公平 教授, 山东大学	Oral Session 4: Emerging biometric recognition Chair: Gongping Yang, Professor of Shandong University
16:00-16:20	茶歇	Coffee Break
16:20-17:20	墙报论文展示 4: 眼部和新兴生物特征识别	Poster Session 4: Eye and emerging biometric recognition
17:30-18:00	大会闭幕式 主持人: 朱文球 教授, 湖南工业大学人工智能学院执行副院长 闭幕致辞: 孙哲南 研究员, 中国科学院自动化研究所	Closing Ceremony Chair: Wenqiu Zhu, Executive Vice President, College of Artificial Intelligence, Hunan University of Technology Closing Speech: Zhenan Sun, Professor of Institute of Automation, Chinese Academy of Sciences (CASIA)

### 论文口头报告 1: 面部生物特征 Oral Session 1: Facial Biometrics

79	Yukun Ma, Yaowen Xu, Lifang Wu, Tao Xu and Xin Zhao	Face Motion Deblurring Method Based on Multi-Step Spiral Approximation
59	Yongliang Zhang, Xiaoxiao Qian, Zhongsu Luo, Keyi Zhu and Minjun Yu	Long Range Pupil Location Algorithm Based on the Improved Circle Fitting Method
2	Guang Huo, Qi Zhang, Huan Guo, Wenyu Li and Yangrui Zhang	Multi-source heterogeneous iris recognition using Locality Preserving Projection

论文口头报告 2: 手部生物特征识别 Oral Session 2: Hand Biometrics

14	Zhanchun Qiu, Lunke Fei, Shaohua Teng, Wei Zhang, Dongning Liu, Yan Hou and Wei Jia	Local Discriminative Direction Extraction for Palmprint Recognition
53	Meng Zhang, Jianjiang Feng and Jie Zhou	Fingerprint Presentation Attack Detection via Analyzing Fingerprint Pairs
66	Lu Yuting, Tu Mo, Wang Hao, Zhao Junhong and Kang Wenxiong	Finger Vein Recognition Based on Double-Orientation Coding Histogram

论文口头报告 3: 行为生物特征 Oral Session 3: Behavioral Biometrics

5	Xinhui Wu, Shiqi Yu and Yongzhen Huang	Multiscale Temporal Network for Video-based Gait Recognition
30	Tongtong Guo, Jianhuang Lai, Zhan-Xiang Feng, Xiaohua Xie, Zeyu Chen and Weishi Zheng.	Low-resolution Person Re-identification By a Discriminative Resolution-invariant Network
36	Quan Zhang, Haijie Cheng, Jianhuang Lai and Xiaohua Xie.	DHML: Deep Heterogeneous Metric Learning for VIS-NIR Person Re-identification

论文口头报告 4: 新兴生物特征 Oral Session 4: Emerging Biometrics

8	Tengfei Zhao, Haigang Zhang, Yutao Zhang and Jinfeng Yang.	X-Ray Image With Prohibited Items Synthesis Based on Generative Adversarial Network
11	Qinghua Zhao, Zakir Ali, Jianfeng Lu and Hichem Metmer.	Structure Feature Learning: Constructing Functional Connectivity Network for Alzheimer's disease Identification and Analysis
71	Taifeng Tan, Xin Wang, Yuchun Fang and Wei Zhang	The Impact of Data Correlation on Identification of Computer-Generated Face Images

墙报论文展示 1: 面部生物特征 Poster Session 1: Facial Biometrics (15 篇)

69	Wei Liu, Lintai Wu, Yong Xu and Dan Wang	Deep Residual Equivariant Mapping for Multi-Angle Face Recognition
49	Xiehe Huang and Weihong Deng	AdaptiveNet: Toward an Efficient Face Alignment Algorithm

17	Kailun Zhong, Yi Li, Li Fang and Ping Chen	Cross-dimension Transfer Learning for Video-based Facial Expression Recognition
73	Jie Li, Qijun Zhao and Zhengxi Liu	Exploring Shape Deformation in 2D Images for Facial Expression Recognition
39	Luyan Chen and Weihong Deng	Facial attractiveness prediction by Deep Adaptive Label Distribution Learning
41	Huan Liang, Jiani Hu and Weihong Deng	LWFD: A Simple Light-Weight Network for Face Detection
46	Zehao Yang, Hao Xiong, Xiaolang Chen, Hanxing Liu, Yingjie Kuang and Yuefang Gao	Dairy Cow Tiny Face Recognition Based on Convolutional Neural Networks
72	Xiaoning Liu, Shanghao Zhao, Shixiong Wang, Yunpeng Jing and Jun Feng	Reconstructed Face Recognition
75	Pengfei Li and Qijun Zhao	A Two-Stage Method for Assessing Facial Paralysis Severity by Fusing Multiple Classifiers
76	Jingtian Xia, Yan Tang, Xi Jia, Linlin Shen and Zihui Lai	Latnet Spatial Features Based on Generative Adversarial Networks for Face Anti-spoofing
60	Shanghao Zhao, Xiaoning Liu, Shixiong Wang, Yunpeng Jing and Jun Feng	Similarity Measurement between Reconstructed 3D Face and 2D Face based on Deep Learning
8	Xiangde Zhang, Bin Zheng, Yuanjie Li and Lianping Yang	Real-time Face Occlusion Recognition Algorithm Based on Feature Fusion
27	Rongsheng Wang, Jinzhao Tian and Changlong Jin	Joint Face Detection and Alignment Using Focal Loss-based Multi-task Convolutional Neural Networks
37	Yigan Li and Zhaohui Wang	A Face Recognition Workflow Based upon Similarity Measurement
50	Xiangyang Zhai, Yuqing He, Qian Zhao and Yutong Ding	106-Point Facial Landmark Localization with Mobile Networks Based on Regression

## 墙报论文展示 2: 手部生物特征 Poster Session 2: Hand Biometrics (10 篇)

35	Junying Gan, Ling Qi, Zhenfeng Bai and Li Xiang	Fingerprint Classification Based on Lightweight Neural Network
3	Haozhe Liu, Wentian Zhang, Feng Liu and Yong Qi	3D Fingerprint Gender Classification Using Deep Learning
16	Junying Zeng, Yao Chen, Chuanbo Qin, Fan Wang, Junying Gan, Yikui Zhai and Boyuan Zhu	A Novel Method for Finger Vein Recognition

68	Yongliang Zhang, Minghua Gao, Xiaosi Zhan, Yifan Wu and Shengyi Pan	Rolled Fingerprint Mosaicking Algorithm Based on Block Scale
28	Yumeng Wang, Xiangwen Kong, Rongsheng Wang, Changlong Jin and Hakil Kim	Study and Realization of Partial Fingerprint Mosaicking Technology for Mobile Devices
52	Chang Liu, Wenxiong Kang, Linpu Fang and Ningxin Liang	Authentication System Design Based On Dynamic Hand Gesture
25	Qi Yuan, Jun Wan, Chi Lin, Yunan Li, Qiguang Miao, Stan Z. Li, Lihua Wang and Yunxiang Lyu	Global and Local Spatial-Attention Network for Isolated Gesture Recognition
62	Guoqin Peng and Dan Xu	Weakly Supervised Learning of Image Emotion Analysis Based on Cross-spatial Pooling
45	Wenli Song, Lei Zhang and Jingru Fu	Embarrassingly Easy Zero-Shot Image Recognition
9	Xinsheng Xuan, Bo Peng, Wei Wang and Jing Dong	On the Generalization of GAN Image Forensics

### 墙报论文展示 3: 行为生物特征 Poster Session 3: Behavioral Biometrics (9 篇)

42	Zhenchuan Zhang, Liming Zhou, Yingchun Yang and Zhaohui Wu	Teager Energy Operator based Features with x-vector for Replay Attack Detection
63	Wei Ni, Quhua Rao and Dingti Luo	Video Human Behaviour Recognition Based on Improved SVM KNN for Traceability of Planting Industry
57	Qin Guo, Cuixia Zeng, Xiaofei Deng	Application of Unscented Kalman Filter in Tracking of Video Moving Target
10	Hongsheng Wang, Yang Yang, Shengcai Liao, Zhen Lei and Dong Cao	Similarity Scores based Re-Classification for Open-Set Person Re-Identification
29	Hui Tang, Zhenchun Lei, Zhongying Huang, Hailin Gan, Kun Yu and Yingen Yang	The GMM and I-vector Systems Based on Spoofing Algorithms for Speaker Spoofing Detection
15	Yongming Zhang, Shifeng Zhang, Chubin Zhuang and Zhen Lei	Feature Enhancement for Joint Human and Head Detection
54	Yanwen Sun, Gongping Yang, Yuwen Huang, Kuikui Wang and Yilong Yin	Learning Discriminative Representation for ECG Biometrics Based on Multi-Scale 1D-PDV
47	Long-Fei Mo, Mahpirat	Off-line handwritten signature recognition based

	Mamat, Ya-Li Zhu, Hornisa Mamat and Kurban Ubul	on discrete curvelet transform
51	Heng Jiang, Mengjing Yang, Zhongliang Mi and Yunqi Tang	Research on automatic classification method of footwear under low resolution condition

墙报论文展示 4: 眼部和新兴的生物特征识别 Poster Session 4: Eye and Emerging Biometrics (11 篇)

4	Qixian Zhang, Xiaodong Zhu, Yuanning Liu, Hao Zhang, Guang Huo, Guangyu Wang, Shuai Liu and Chaoqun Wang	Iris Recognition Based on Adaptive Optimization Log-Gabor Filter and RBF Neural Network
23	Yiheng Cai, Yuanyuan Li, Xurong Gao and Yajun Guo	Retinal vessel segmentation method based on improved deep U-net
70	Huanwei Liang, Zilong Chen, Hui Zhang, Jing Liu, Xingguang Li, Lihu Xiao and Zhaofeng He	Multi-pyramid Optimized Mask R-CNN for Iris Detection and Segmentation
1	Shuai Liu, Yuanning Liu, Xiaodong Zhu, Hao Zhang, Guang Huo, Guangyu Wang, Jingwei Cui, Xinlong Li, Zukang Wu and Zhiyi Dong	Constrained Sequence Iris Quality Evaluation Based on Causal Relationship Decision Reasoning
67	Xiao Wang, Hui Zhang, Jing Liu, Lihu Xiao, Zhaofeng He, Liang Liu and Pengrui Duan	Iris Image Super Resolution based on GANs with Adversarial Triplets
51	Xiangde Zhang, Runan Zhou, Xiangyue Meng and Qi Wang	SDItg-Diff: Noisy Iris Localization based on Statistical Denoising
61	Ying Chen, Zhuang Zeng and Fei Hu	End to end robust recognition method for iris using a dense deep convolutional neural network
44	Ang Wei, Yuxuan Zhao and Zhongmin Cai	A Deep learning Approach to Web Bot Detection Using Mouse Behavioral Biometrics
65	Mumtaz Ali, Xiaosen Wang and Kun He	Multi-task Deep Learning for Child Gender and Age Determination on Hand Radiographs
38	Tengfei Zhao, Haigang Zhang, Yutao Zhang and Jinfeng Yang	X-Ray Image With Prohibited Items Synthesis Based on Generative Adversarial Network
19	Mengjing Yang, Heng Jiang and Yunqi Tang	Shoe Pattern Recognition:A Benchmark