Jianzhu Guo

**Institute of Automation
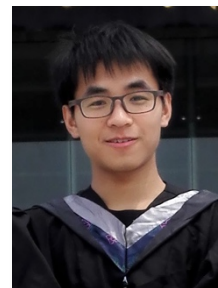Chinese Academy of Sciences**

INFORMATIONS

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GitHub: https://github.com/cleardusk (410+ Followers，2.8K★)

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Address: No. 95, Zhongguancun Road, Haidian District, Beijing, China

Interests: Face Recognition, 3D Face, Face Anti-Spoofing, Face Analysis, Meta-Learning and Deep Learning

EDUCATIONS

2016.09-Now ｜ Ph.D. candidate ｜ Supervisor: Stan Z. Li ｜ National Laboratory of Pattern Recognition (NLPR), Institute of Automation, Chinese Academic of Sciences (CASIA)

2012.09-2016.06 ｜ Bachelor degree ｜ School of Transportation, Southeast University (SEU)

- Ranking 2/28，2015.7 enrolled to NLPR, CASIA in summer camp without entrance examination.

PUBLICATIONS

- **Jianzhu Guo**, Xiangyu Zhu, Chenxu Zhao, Dong Cao, Zhen Lei, Stan Z. Li, "Learning Meta Face Recognition in Unseen Domains", **CVPR (Oral)**, 2020
- Dong Cao, Xiangyu Zhu, Xingyu Huang, **Jianzhu Guo**, Zhen Lei, "Domain Balancing: Face Recognition on Long-Tailed Domains", **CVPR**, 2020
- **Jianzhu Guo,** Xiangyu Zhu, Jinchuan Xiao, Zhen Lei, Genxun Wan, Stan Z. Li, "Improving Face Anti-Spoofing by 3D Virtual Synthesis", **ICB Oral**, 2019
- Jinchuan Xiao, Yinhang Tang, **Jianzhu Guo**, Yang Yang, Xiangyu Zhu, Zhen Lei, Stan Z. Li, "3DMA: A Multi-modality 3D Mask Face Anti-spoofing Database", **AVSS**, 2019
- **Jianzhu Guo**, Xiangyu Zhu, Zhen Lei, Stan Z. Li, "Face Synthesis for Eyeglass-Robust Face Recognition", **CCBR**, 2018 (https://github.com/cleardusk/MeGlass)
- **Jianzhu Guo**, Zhen Lei, Jun Wan et al, "Dominant and Complementary Emotion Recognition From Still Images of Faces", **IEEE Access**, 2018
- **Jianzhu Guo**, Shuai Zhou, Jinlin Wu, Jun Wan, Xiangyu Zhu, Zhen Lei, Stan Z. Li, "Multi-modality Network with Visual and Geometrical Information for Micro Emotion Recognition", **FG**, 2017
- **Jianzhu Guo**, Xiangyu Zhu, Yang Yang, Zhen Lei, Yang Fan, Stan Z. Li, "Towards Fast, Accurate and Stable 3D Dense Face Alignment", Under Review (ECCV-20), 2020
- Xiangyu Zhu, Yang Fan, **Jianzhu Guo**, Zhen Lei, "Beyond 3DMM Space: Fine-grained 3D Face Reconstruction", Under Review (ECCV-20), 2020
- Xiaqing Xu*, Qiang Meng*, **Jianzhu Guo***, Yunxiao Qin, Chenxu Zhao, "Face Auto-alignment：Searching Aligment for Face Recognition", Under Review (**MM-20**), 2020

PROJECTS & COMPETITIONS

- 2018-Now   Super-realtime 3D dense face alignment in https://github.com/cleardusk/3DDFA , **2.5K ★, 475 Forks** (Personal Project).
- 2016   Face inpainting: Design a two-stage strategy of segmentation-regression based on CNN to remove face dense watermark, thus greatly improving the performance of face verification.
- 2017   HUAWEI Code Craft: Awarded Silver Medal (rank 5th) in Beijing Site.
- 2017   Face Analysis : Win the champion of micro emotion competition in FG 2017.
- 2017-Now   IvS Face Recognition: Up to 10 million-scale identities, with the performance of TPR=93%@FAR=1e-6, TPR=85%@FAR=1e-7 of single model.
- 2017-Now   NIR-VIS Face Recognition : Achieving the best performace in four public academic database and reach about 95%@FAR=1e-6 in real scenario.
- 2018   Watermark IvS Face recognition : One million-scale identities with the performance of TPR=85@FAR=1e-6 in real scenario applications.
- MeGlass: An eyeglass face dataset collected and cleaned for face recognition evaluation in https://github.com/cleardusk/MeGlass **220+★**.
- 2019   Facial emotion recognition: Emotion recognition in surveillance scenario.
- 2019   3D face: 3D dense face alignment in NIR scenerio with large pose.
- 2020-Now   IvS Face Recognition: Maks-occluded IvS face recognition.

SKILLS

- Programming language & Deep Learning Framework: Python, C/C++, Matlab, Caffe, PyTorch
- Platform: Linux & macOS
- ❤️ : Coding & Researching

AWARDS

- 2015   Sample Technology Scholarship
- 2015   Grand Prize (rank 1st) on the 14th National Challenge Cup Theme-Based Competition on "Smart Green Cities" (As Team Leader)
- 2015   Transportation Design Institute Scholarship
- 2014   National Encouragement Scholarship
- 2014   Honorable Mention Award for Mathematical Contest in Modeling (MCM)
- 2014   Provincial First Prize for China Undergraduate Mathematical Contest in Modeling
- 2014   Third Prize for Programming Contest
- 2014   First Frize (rank 1st) for Short Code Competition
- 2013   National Encouragement Scholarship
- 2013   Second Prize for Transportation Technology Competition