JiankangDeng

Computer Vision Researcher

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Working Experiences

| 09/24 - Now | **Assistant Professor** | Imperial College London |
| | Conduct research on multi-modality comprehension and generation. | |

| 04/23 - 09/24 | **Honorary Lecturer** | Imperial College London |
| | Supervise PhD students in human-centric generative AI. | |

| 06/20 - 09/24 | **Principal Researcher** | London Noah's Ark Lab |
| | Conduct research on multi-modality learning. | |

| 04/18 - 06/20 | **Research & Development (R&D) Director** | Facesoft |
| | Design face analysis system on cloud and edge. | |

| 06/19 - 09/19 | **Intern** | Facebook |
| | Face expression generation. Work with **Tong Xiao**. | |

| 03/15 - 08/15 | **Intern** | Microsoft |
| | Clothing detection and analysis. Work with **Shaoqing Ren**, **Yichen Wei**, and **Jian Sun** | |

| 12/13 - 05/14 | **Intern** | Baidu |
| | Face detection and analysis. Work with **Junjie Yan**, **Yafeng Deng**, and **Chang Huang**. | |

Education Background

| 10/16 - 09/20 | **Doctor's Degree in Computing** | Imperial College London |
| | I was supervised by Prof. **Stefanos Zafeiriou** and funded by the **Imperial President's PhD Scholarships** in the Intelligent Behaviour Understanding Group (**IBUG**). My research topic was deep face analysis. | |

Awards

1. World's Top 2% Scientists 2024, **Rank 1,024-th**/399,064 in Artificial Intelligence & Image Processing
2. WCPA 2022, perspective projection based monocular 3D face reconstruction, **Rank 1st**.
3. Baidu Talent 2021, **Global Top 100** Chinese Rising Stars in Artificial Intelligence.
4. DFW 2019, disguised face recognition challenge, **Rank 1st**.
5. iQIYI-VID 2018: iQIYI celebrity video identification challenge, **Rank 1st**.
6. ActivityNet 2017: untrimmed video classification, **Rank 1st**.
7. ILSVRC 2017: Object detection/tracking from videos, **Rank 1st**.
8. ILSVRC 2017: Object detection, **Rank 1st**.
9. ILSVRC 2016: Object detection/tracking from videos, **Rank 1st**.
10. ILSVRC 2015: Object detection, **Rank 1st**.
11. ILSVRC 2015: Object detection/tracking from videos, **Rank 1st**.
12. 300VW 2015: Face detection/alignment/tracking, **Rank 1st**.
13. 300W 2014: Face detection/alignment, **Rank 1st**.

Workshop Organisations

1. ICCV 2025, Face Anti-spoofing Challenge & Workshop.
2. CVPR 2024, Face Anti-spoofing Challenge & Workshop.
3. AAAI 2024, AI for Digital Human Challenge & Workshop.
4. ICCV 2023, View Synthesis for Human Heads Challenge & Workshop.
5. CVPR 2023, Face Anti-spoofing Challenge & Workshop.
6. ICCV 2021, Masked Face Recognition Challenge & Workshop.
7. ICCV 2019, Lightweight Face Recognition Challenge & Workshop.
8. ICCV 2017, 3D Face Tracking in-the-wild Competition.
9. CVPR 2017, 2D Facial Landmark Localisation Competition - The Menpo BenchMark.

Invited Talks

1. BMVA 2025, BMVA Symposium on AI Security, Rethinking the Face Recognition Paradigm with a Focus on Accuracy, Efficiency, and Security.
2. CVPR 2025, HD-EPIC VQA Workshop and Challenge, Optimizing Multimodal LLMs for Egocentric Video Understanding.
3. ECCV 2022, International Workshop and Challenge on People Analysis, Perspective Reconstruction of Human Faces by Joint Mesh and Landmark Regression.
4. ICCV 2019, Disguised Face Recognition Challenge, ArcFace for Disguised Face Recognition.
5. ICCV 2019, Wider Face and Person Challenge, RetinaFace: Single-stage Dense Face Localisation in the Wild.
6. CVPR 2017, ActivityNet Large Scale Activity Recognition Challenge, Improve Untrimmed Video Classification and Action Localization by Human and Object Tubelets.
7. CVPR 2017, Beyond ImageNet Large Scale Visual Recognition Challenge, Speed/Accuracy Trade-offs for Object Detection from Video.
8. CVPR 2017, Beyond ImageNet Large Scale Visual Recognition Challenge, BDAT Object Detection.
9. ECCV 2016, ImageNet and COCO Visual Recognition Challenges, Efficient Object Detection From Videos.
10. ICCV 2015, ImageNet and MS COCO Visual Recognition Challenges, Cascade Region Regression for Robust Object Detection.
11. ICCV 2015, 300 Videos in the Wild (300-VW) Challenge, Facial Shape Tracking via Spatio-temporal Cascade Shape Regression.

Book Publications

1. Stan Z. Li, Anil K. Jain, **Jiankang Deng**. Handbook of Face Recognition: Third Edition

Journal Publications

1. Xianda Guo, Zheng Zhu, Tian Yang, Beibei Lin, Junjie Huang, **Jiankang Deng**, Guan Huang, Jie Zhou, Jiwen Lu. Gait Recognition in the Wild: A Large-scale Benchmark and NAS-based Baseline, TPAMI 2025.

2. Shikun Li, Xiaobo Xia, **Jiankang Deng**, Shiming Ge, Tongliang Liu. Transferring Annotator- and Instance-dependent Transition Matrix for Learning from Crowds, TPAMI 2024.

3. Francesca Babiloni, Ioannis Marras, **Jiankang Deng**, Filippos Kokkinos, Matteo Maggioni, Grigorios Chrysos, Philip Torr, Stefanos Zafeiriou. Linear Complexity Self-Attention with 3rd Order Polynomials, TPAMI 2023.

4. Zheng Zhu, Guan Huang, **Jiankang Deng**, Yun Ye, Junjie Huang, Xinze Chen, Jiagang Zhu, Tian Yang, Jiwen Lu, Dalong Du, Jie Zhou. WebFace260M: A Benchmark Unveiling the Power of Million-Scale Deep Face Recognition, TPAMI 2023.

5. Xiaobo Xia, Tongliang Liu, Bo Han, Nannan Wang, **Jiankang Deng**, Jiatong Li, Yinian Mao. Extended T: Learning with Mixed Closed-set and Open-set Noisy Labels, TPAMI 2023.

6. Kaihao Zhang, Dongxu Li, Wenhan Luo, Jingyu Liu, **Jiankang Deng**, Wei Liu, Stefanos Zafeiriou. EDFace-Celeb-1M: Benchmarking Face Hallucination with a Million-scale Dataset, TPAMI 2023.

7. Zhipeng Du, Miaojing Shi, **Jiankang Deng**, Stefanos Zafeiriou. Redesigning Multi-Scale Neural Network for Crowd Counting, TIP 2023.

8. Konstantinos Panagiotis Alexandridis, Shan Luo, Anh Nguyen, **Jiankang Deng**, Stefanos Zafeiriou. Inverse Image Frequency for Long-tailed Image Recognition, TIP 2023.

9. Qingping Zheng, Ling Zheng, Yunpeng Bai, Hang Liu, **Jiankang Deng**, Ying Li. Boundary-Aware Network With Two-Stage Partial Decoders for Salient Object Detection in Remote Sensing Images, TGRS 2023.

10. Qingping Zheng, Ling Zheng, **Jiankang Deng**, Ying Li, Changjing Shang, Qiang Shen. Transformer-Based Hierarchical Dynamic Decoders for Salient Object Detection, Knowledge-Based Systems 2023.

11. Chengcheng Ma, Yang Liu, **Jiankang Deng**, Lingxi Xie, Weiming Dong, Changsheng Xu. Understanding and Mitigating Overfitting in Prompt Tuning for Vision-Language Models, TCSVT 2023.

12. Jiaqi Jiang, Guanqun Cao, **Jiankang Deng**, Thanh-Toan Do, Shan Luo. Robotic Perception of Transparent Objects: A Review, TAI 2023.

13. **Jiankang Deng**, Jia Guo, Jing Yang, Niannan Xue, Irene Cotsia, Stefanos P Zafeiriou. ArcFace: Additive Angular Margin Loss for Deep Face Recognition, TPAMI 2022.

14. Grigorios G. Chrysos, Stylianos Moschoglou, Giorgos Bouritsas, **Jiankang Deng**, Yannis Panagakis, Stefanos Zafeiriou. Deep Polynomial Neural Networks, TPAMI 2022.

15. Niannan Xue, **Jiankang Deng**, Shiyang Cheng, Yannis Panagakis, Stefanos Zafeiriou. Side Information for Face Completion: a Robust PCA Approach, TPAMI 2019.

16. **Jiankang Deng**, Anastasios Roussos, Grigorios Chrysos, Evangelos Ververas, Irene Kotsia, Jie Shen, Stefanos Zafeiriou. The Menpo Benchmark for Multi-pose 2D and 3D Facial Landmark Localisation and Tracking, IJCV 2019.

17. **Jiankang Deng**, George Trigeorgis, Yuxiang Zhou, Stefanos Zafeiriou. Joint Multi-view Face Alignment in the Wild, TIP 2019.

18. Hui Shuai, Qingshan Liu, Kaihua Zhang, Jing Yang, **Jiankang Deng**. Cascaded Regional Spatio-Temporal Feature-Routing Networks for Video Object Detection, IEEE Access 2018.

19. Zhenbo Yu, Guangcan Liu, Qingshan Liu, **Jiankang Deng**. Spatio-temporal convolutional features with nested LSTM for facial expression recognition, Neurocomputing 2018.

20. Qingshan Liu, Jing Yang, **Jiankang Deng**, Kaihua Zhang. Robust facial landmark tracking via cascade regression, PR 2017.

21. Qingshan Liu, **Jiankang Deng**, Jing Yang, Guangcan Liu, Dacheng Tao. Adaptive Cascade Regression Model For Robust Face Alignment, TIP 2017.

22. Qingshan Liu, **Jiankang Deng**, Dacheng Tao. Dual Sparse Constrained Cascade Regression for Robust Face Alignment, TIP 2016.

23. **Jiankang Deng**, Qingshan Liu, Jing Yang, Dacheng Tao. M^3 CSR: Multi-view, multi-scale and multi-component cascade shape regression, IVC 2016.

24. Xiaoyan Li, Tongliang Liu, **Jiankang Deng**, Dacheng Tao. Video Face Editing Using Temporal-Spatial-Smooth Warping, ACM TIST 2016.

25. XiaoTong Yuan, Zhenzhen Wang, **Jiankang Deng**, Qingshan Liu. Efficient X^2 Kernel Linearization via Random Feature Maps, TNNLS 2016.

26. **Jiankang Deng**, Yubao Sun, Qingshan Liu, Hanqing Lu. Low rank driven robust facial landmark regression, Neurocomputing 2015.

Conference Publications

1. Tiancheng Gu, Kaicheng Yang, Ziyong Feng, Xingjun Wang, Yanzhao Zhang, Dingkun Long, Yingda Chen, Weidong Cai, **Jiankang Deng**. Breaking the Modality Barrier: Universal Embedding Learning with Multimodal LLMs, ACMMM 2025.

2. Tiancheng Gu, Kaicheng Yang, Chaoyi Zhang, Yin Xie, Xiang An, Ziyong Feng, Dongnan Liu, Weidong Cai, **Jiankang Deng**. RealSyn: An Effective and Scalable Multimodal Interleaved Document Transformation Paradigm, ACMMM 2025.

3. Yin Xie, Kaicheng Yang, Xiang An, Kun Wu, Yongle Zhao, Weimo Deng, Zimin Ran, Yumeng Wang, Ziyong Feng, Roy Miles, Ismail Elezi, **Jiankang Deng**. Region-based Cluster Discrimination for Visual Representation Learning, ICCV 2025.

4. Yunqi Miao, Zhiyu Qu, Mingqi Gao, Changrui Chen, Jifei Song, Jungong Han, **Jiankang Deng**. Unlocking the Potential of Diffusion Priors in Blind Face Restoration, ICCV 2025.

5. Peng Cai, liqiang, Kaicheng Yang, guodong, lijia, zhounan, Xiang An, Ninghua Yang, **Jiankang Deng**. ForCenNet: Foreground-Centric Network for Document Image Rectification, ICCV 2025.

6. Zimin Ran, Xingyu Ren, Xiang An, Kaicheng Yang, Ziyong Feng, Jing Yang, Rolandos Alexandros Potamias, Linchao Zhu, **Jiankang Deng**. HUST: High-Fidelity Unbiased Skin Tone Estimation via Texture Quantization, ICCV 2025.

7. Xin Wen, Bingchen Zhao, Ismail Elezi, **Jiankang Deng**, Xiaojuan Qi. Principal Components Enable A New Language of Images, ICCV 2025.

8. Zheng Gao, Jifei Song, Zhensong Zhang, **Jiankang Deng**, Ioannis Patras. Frequency-Guided Diffusion for Training-Free Text-Driven Image Translation, ICCV 2025.

9. Ronglai Zuo, Rolandos Alexandros Potamias, Evangelos Ververas, **Jiankang Deng**, Stefanos Zafeiriou. Signs as Tokens: A Retrieval-Enhanced Multilingual Sign Language Generator, ICCV 2025.

10. Jinglei Zhang, Yuanfan Guo, Rolandos Alexandros Potamias, **Jiankang Deng**, Hang Xu, Chao Ma. VTimeCoT: Thinking by Drawing for Video Temporal Grounding and Reasoning, ICCV 2025.

11. Rolandos Alexandros Potamias, Stathis Galanakis, **Jiankang Deng**, Athanasios Papaioannou, Stefanos Zafeiriou. imHead: A Large-scale Implicit Morphable Model for Localized Head Modeling, ICCV 2025.

12. Xingyu Ren, **Jiankang Deng**, Yuhao Cheng, Wenhan Zhu, Yichao Yan, Xiaokang Yang, Stefanos Zafeiriou, Chao Ma. S^3-Face: SSS-Compliant Facial Reflectance Estimation via Diffusion Priors, CVPR 2025.

13. Jinglei Zhang, **Jiankang Deng**, Chao Ma, Rolandos Alexandros Potamias. HaWoR: World-Space Hand Motion Reconstruction from Egocentric Videos, CVPR 2025.

14. Rolandos Alexandros Potamias, Jinglei Zhang, **Jiankang Deng**, Stefanos Zafeiriou. WiLoR: End-to-end 3D hand localization and reconstruction in-the-wild, CVPR 2025.

15. Zhiyu Qu, Yunqi Miao, Zhensong Zhang, Jifei Song, **Jiankang Deng**, Yi-Zhe Song. CaricatureBooth: Data-Free Interactive Caricature Generation in a Photo Booth, CVPR 2025.

16. Konstantinos Panagiotis Alexandridis, Ismail Elezi, **Jiankang Deng**, Anh Nguyen, Shan Luo. Fractal Calibration for long-tailed object detection, CVPR 2025.

17. Prannay Kaul, Chengcheng Ma, Ismail Elezi, and **Jiankang Deng**. From Attention to Activation: Unravelling the Enigmas of Large Language Models, ICLR 2025.

18. Tianhao Wu, Hanxue Liang, Fangcheng Zhong, Gernot Riegler, Shimon Vainer, **Jiankang Deng**, Cengiz Oztireli. αSurf: Implicit Surface Reconstruction for Semi-Transparent and Thin Objects with Decoupled Geometry and Opacity, 3DV 2025. **(Oral)**

19. Kaicheng Yang, Tiancheng Gu, Xiang An, Haiqiang Jiang, Xiangzi Dai, Ziyong Feng, Weidong Cai, **Jiankang Deng**. CLIP-CID: Efficient CLIP Distillation via Cluster-Instance Discrimination, AAAI 2025.

20. Zhongqun Zhang, Yihua Cheng, Eduardo Perez-Pellitero, Yiren Zhou, **Jiankang Deng**, Hyung Jin Chang, Jifei Song. Single-view Image to Novel-view Generation for Hand-Object Interactions, AAAI 2025.

21. Swapnil Bhosale, Haosen Yang, Diptesh Kanojia, **Jiankang Deng**, Xiatian Zhu. Unsupervised Audio-Visual Segmentation with Modality Alignment, AAAI 2025.

22. Roy Miles, Pradyumna Reddy, Ismail Elezi, **Jiankang Deng**. VeLoRA: Memory Efficient Training using Rank-1 Sub-Token Projections, NeurIPS 2024.

23. Francesca Babiloni, Alexandros Lattas, **Jiankang Deng**, Stefanos Zafeiriou. ID-to-3D: Expressive ID-guided 3D Heads via Score Distillation Sampling, NeurIPS 2024.

24. Swapnil Bhosale, Haosen Yang, Diptesh Kanojia, **Jiankang Deng**, Xiatian Zhu. AV-GS: Learning Material and Geometry Aware Priors for Novel View Acoustic Synthesis, NeurIPS 2024.

25. James Oldfield, Markos Georgopoulos, Grigorios G Chrysos, Christos Tzelepis, Yannis Panagakis, Mihalis A Nicolaou, **Jiankang Deng**, Ioannis Patras. Multilinear Mixture of Experts: Scalable Expert Specialization through Factorization, NeurIPS 2024.

26. Jun Dan, Yang Liu, **Jiankang Deng**, Haoyu Xie, Siyuan Li, Baigui Sun, Shan Luo. TopoFR: A Closer Look at Topology Alignment on Face Recognition, NeurIPS 2024.

27. Tiancheng Gu, Kaicheng Yang, Xiang An, Ziyong Feng, Dongnan Liu, Weidong Cai, **Jiankang Deng**. RWKV-CLIP: A Robust Vision-Language Representation Learner, EMNLP 2024.

28. Foivos Paraperas Papantoniou, Alexandros Lattas, Stylianos Moschoglou, **Jiankang Deng**, Bernhard Kainz, Stefanos Zafeiriou. Arc2face: A Foundation Model of Human Faces, ECCV 2024. **(Oral)**

29. Kostas Alexandridis, **Jiankang Deng**, Anh Nguyen, Shan Luo. Adaptive Parametric Activation, ECCV 2024. **(Oral)**

30. Evangelos Ververas, Polydefkis Gkagkos, **Jiankang Deng**, Michail Christos Doukas, Jia Guo, Stefanos Zafeiriou. 3DGazeNet: Generalizing Gaze Estimation with Weak-Supervision from Synthetic Views, ECCV 2024.

31. Evangelos Ververas, Rolandos Alexandros Potamias, Jifei Song, **Jiankang Deng**, Stefanos Zafeiriou. SAGS: Structure-Aware 3D Gaussian Splatting, ECCV 2024.

32. Xiang An, Kaicheng Yang, Xiangzi Dai, Ziyong Feng, **Jiankang Deng**. Multi-label Cluster Discrimination for Visual Representation Learning, ECCV 2024.

33. Hao Fang, Ajian Liu, Haocheng Yuan, Junze Zheng, Dingheng Zeng, Yanhong Liu, **Jiankang Deng**, Sergio Escalera, Xiaoming Liu, Jun Wan, Zhen Lei. Unified Physical-Digital Face Attack Detection, IJCAI 2024.

34. Pradyumna Reddy, Ismail Elezi, **Jiankang Deng**. G3DR: Generative 3D Reconstruction in ImageNet, CVPR 2024.

35. Roy Miles, Ismail Elezi, **Jiankang Deng**. V_kD: Improving Knowledge Distillation using Orthogonal Projections, CVPR 2024.

36. Zhipeng Du, Miaojing Shi, **Jiankang Deng**. Boosting Object Detection with Zero-Shot Day-Night Domain Adaptation, CVPR 2024.

37. Yunqi Miao, **Jiankang Deng**, Jungong Han. WaveFace: Authentic Face Restoration with Efficient Frequency Recovery, CVPR 2024.

38. Xingyu Ren, **Jiankang Deng**, Yuhao Cheng, Jia Guo, Chao Ma, Yichao Yan, Wenhan Zhu, Xiaokang Yang. Monocular Identity-Conditioned Facial Reflectance Reconstruction, CVPR 2024.

39. Vasileios Baltatzis, Rolandos Alexandros Potamias, Evangelos Ververas, Guanxiong Sun, **Jiankang Deng**, Stefanos Zafeiriou. Neural Sign Actors: A diffusion Model for 3D Sign Language Production from Text, CVPR 2024.

40. Qingping Zheng, Ling Zheng, Yuanfan Guo, Ying Li, Songcen Xu, **Jiankang Deng**, Hang Xu. Self-Adaptive Reality-Guided Diffusion for Artifact-Free Super-Resolution, CVPR 2024.

41. A Jian Liu, Shuai Xue, Gan Jianwen, Jun Wan, Yanyan Liang, **Jiankang Deng**, Sergio Escalera, Zhen Lei. CFPL-FAS: Class Free Prompt Learning for Generalizable Face Anti-spoofing, CVPR 2024.

42. Qingping Zheng, Yuanfan Guo, **Jiankang Deng**, Jianhua Han, Ying Li, Songcen Xu, Hang Xu. Any-Size-Diffusion: Toward Efficient Text-Driven Synthesis for Any-Size HD Images, AAAI 2024.

43. Swapnil Bhosale, Sauradip Nag, Diptesh Kanojia, **Jiankang Deng**, Xiatian Zhu. DiffSED: Sound Event Detection with Denoising Diffusion, AAAI 2024. **(Oral)**

44. Chengcheng Ma, Ismail Elezi, **Jiankang Deng**, Weiming Dong, Changsheng Xu. Three Heads Are Better Than One: Complementary Experts for Long-Tailed Semi-supervised Learning, AAAI 2024.

45. Xiao Han, Yukang Cao, Kai Han, Xiatian Zhu, **Jiankang Deng**, Yi-Zhe Song, Tao Xiang, Kwan-Yee K Wong. HeadSculpt: Crafting 3D Head Avatars with Text, NeurIPS 2023.

46. Kaicheng Yang, **Jiankang Deng**, Xiang An, Jiawei Li, Ziyong Feng, Jia Guo, Jing Yang, Tongliang Liu. ALIP: Adaptive Language-Image Pre-training with Synthetic Caption, ICCV 2023.

47. Xiaobo Xia, **Jiankang Deng**, Wei Bao, Yuxuan Du, Bo Han, Shiguang Shan, Tongliang Liu. Holistic Label Correction for Noisy Multi-Label Classification, ICCV 2023.

48. Xiao Han, Xiatian Zhu, **Jiankang Deng**, Yi-Zhe Song, Tao Xiang. Controllable Person Image Synthesis with Pose-Constrained Latent Diffusion, ICCV 2023.

49. Sauradip Nag, Xiatian Zhu, **Jiankang Deng**, Yi-Zhe Song, Tao Xiang. DiffTAD: Temporal Action Detection with Conditioned Location Diffusion, ICCV 2023.

50. Guanxiong Sun, Chi Wang, Zhaoyu Zhang, **Jiankang Deng**, Stefanos Zafeiriou, Yang Hua. Spatio-temporal Prompting Network for Robust Video Feature Extraction, ICCV 2023.

51. Jun Dan, Yang Liu, Haoyu Xie, **Jiankang Deng**, Haoran Xie, Xuansong Xie, Baigui Sun. TransFace: Calibrating Transformer Training for Face Recognition from a Data-Centric Perspective, ICCV 2023.

52. Francesca Babiloni, Matteo Maggioni, Thomas Tanay, **Jiankang Deng**, Ales Leonardis, Stefanos Zafeiriou. Adaptive Spiral Layers for Efficient 3D Representation Learning on Meshes, ICCV 2023.

53. Xingyu Ren, **Jiankang Deng**, Chao Ma, Yichao Yan, Xiaokang Yang. Improving Fairness in Facial Albedo Estimation via Visual-Textual Cues, CVPR 2023. **(Highlight)**

54. Alexandros Lattas, Stylianos Moschoglou, Stylianos Ploumpis, Baris Gecer, **Jiankang Deng**, Stefanos Zafeiriou. FitMe: Deep Photorealistic 3D Morphable Model Avatars, CVPR 2023.

55. Grigorios Chrysos, Bohan Wang, **Jiankang Deng**, Volkan Cevher. Regularization of polynomial networks for image recognition, CVPR 2023.

56. Xiang An, **Jiankang Deng**, Kaicheng Yang, Jiawei Li, Ziyong Feng, Jia Guo, Jing Yang, Tongliang Liu. Unicom: Universal and Compact Representation Learning for Image Retrieval, ICLR 2023.

57. Yang Liu, **Jiankang Deng**, Fei Wang, Lei Shang, Xuansong Xie, Baigui Sun. DamoFD: Digging into Backbone Design on Face Detection, ICLR 2023.

58. Zhipeng Du, **Jiankang Deng**, Miaojing Shi. Domain-general Crowd Counting in Unseen Scenarios, AAAI 2023. **(Oral)**

59. Xingyu Ren, Alexandros Lattas, Baris Gecer, **Jiankang Deng**, Chao Ma, Xiaokang Yang. Facial Geometric Detail Recovery via Implicit Representation, FG 2023.

60. Yunqi Miao, Alexandros Lattas, **Jiankang Deng**, Jungong Han, Stefanos Zafeiriou. Physically-Based Face Rendering for NIR-VIS Face Recognition, NeruIPS 2022.

61. Konstantinos Panagiotis Alexandridis, **Jiankang Deng**, Anh Nguyen, Shan Luo. Long-tailed Instance Segmentation using Gumbel Optimized Loss, ECCV 2022.

62. Grigorios Chrysos, Markos Georgopoulos, **Jiankang Deng**, Jean Kossaifi, Yannis Panagakis, Animashree Anandkumar. Augmenting Deep Classifiers with Polynomial Neural Networks, ECCV 2022.

63. Athanasios Papaioannou, Baris Gecer, Shiyang Cheng, Grigorios Chrysos, **Jiankang Deng**, Eftychia Fotiadou, Christos Kampouris, Dimitrios Kollias, Stylianos Moschoglou, Kritaphat Songsri-in, Stylianos Ploumpis, George Trigeorgis, Panagiotis Tzirakis, Evangelos Ververas, Yuxiang Zhou, Allan Ponniah, Anastasios Roussos, Stefanos Zafeiriou. MimicME: A Large Scale Diverse 4D Database for Facial Expression Analysis, ECCV 2022.

64. Qingping Zheng, **Jiankang Deng**, Zheng Zhu, Ying Li, Stefanos Zafeiriou. Decoupled Multi-task Learning with Cyclical Self-Regulation for Face Parsing, CVPR 2022.

65. Xiang An, **Jiankang Deng**, Jia Guo, Ziyong Feng, XuHan Zhu, Jing Yang, Tongliang Liu. Killing Two Birds with One Stone: Efficient and Robust Training of Face Recognition CNNs by Partial FC, CVPR 2022.

66. Yang Liu, Wang steven, Zhipeng Zhou, **Jiankang Deng**, Baigui Sun, Hao Li. MogFace: Towards a Deeper Appreciation on Face Detection, CVPR 2022.

67. Jia Guo, **Jiankang Deng**, Alexandros Lattas, Stefanos Zafeiriou. Sample and Computation Redistribution for Efficient Face Detection, ICLR 2022.

68. **Jiankang Deng**, Jia Guo, Jing Yang, Alexandros Lattas, Stefanos Zafeiriou. Variational Prototype Learning for Deep Face Recognition, CVPR 2021.

69. Baris Gecer, **Jiankang Deng**, Stefanos Zafeiriou. OSTeC: One-Shot Texture Completion, CVPR 2021.

70. Zheng Zhu, Guan Huang, **Jiankang Deng**, Yun Ye, Junjie Huang, Xinze Chen, Jiagang Zhu, Tian Yang, Jiwen Lu, Dalong Du, Jie Zhou. WebFace260M: A Benchmark Unveiling the Power of Million-Scale Deep Face Recognition, CVPR 2021.

71. Babiloni, Francesca, Ioannis Marras, Filippos Kokkinos, **Jiankang Deng**, Grigorios Chrysos, Stefanos Zafeiriou. Poly-NL: Linear Complexity Non-Local Layers With 3rd Order Polynomials, ICCV 2021.

72. Zhu, Zheng, Xianda Guo, Tian Yang, Junjie Huang, **Jiankang Deng**, Guan Huang, Dalong Du, Jiwen Lu, Jie Zhou. Gait Recognition in the Wild: A Benchmark, ICCV 2021.

73. Yu Yao, Tongliang Liu, Bo Han, Mingming Gong, **Jiankang Deng**, Gang Niu, Masashi Sugiyama. Dual T: Reducing Estimation Error for Transition Matrix in Label-noise Learning, NeurIPS 2020.

74. **Jiankang Deng**, Jia Guo, Tongliang Liu, Mingming Gong, Stefanos Zafeiriou. Sub-center ArcFace: Boosting Face Recognition by Large-Scale Noisy Web Faces, ECCV 2020.

75. Baris Gecer, Alexandros Lattas, Stylianos Ploumpis, **Jiankang Deng**, Athanasios Papaioannou, Stylianos Moschoglou, Stefanos Zafeiriou. Synthesizing Coupled 3D Face Modalities by Trunk-Branch Generative Adversarial Networks, ECCV 2020.

76. **Jiankang Deng**, Jia Guo, Evangelos Ververas, Irene Kotsia, Stefanos Zafeiriou. RetinaFace: Single-stage Dense Face Localisation in the Wild, CVPR 2020.

77. Grigorios G Chrysos, Stylianos Moschoglou, Giorgos Bouritsas, **Jiankang Deng**, Yannis Panagakis, Stefanos Zafeiriou. Pi-nets: Deep Polynomial Neural Networks, CVPR 2020.

78. Zhihang Li, Teng Xi, **Jiankang Deng**, Gang Zhang, Shengzhao Wen, Ran He. GP-NAS: Gaussian Process based Neural Architecture Search, CVPR 2020.

79. **Jiankang Deng**, Jia Guo, Niannan Xue, Stefanos Zafeiriou. ArcFace: Additive Angular Margin Loss for Deep Face Recognition, CVPR 2019. **(Oral)**

80. Yuxiang Zhou, **Jiankang Deng**, Irene Kotsia, Stefanos Zafeiriou. Dense 3D Face Decoding over 2500FPS: Joint Texture & Shape Convolutional Mesh Decoders, CVPR 2019.

81. **Jiankang Deng**, Shiyang Cheng, Niannan Xue, Yuxiang Zhou, Stefanos Zafeiriou. UV-GAN: Adversarial Facial UV Map Completion for Pose-invariant Face Recognition, CVPR 2018.

82. Jia Guo, **Jiankang Deng**, Niannan Xue, Stefanos Zafeiriou. Stacked Dense U-Nets with Dual Transformers for Robust Face Alignment, BMVC 2018.

83. Niannan Xue, **Jiankang Deng**, Yannis Panagakis, Stefanos Zafeiriou. Informed Non-convex Robust Principal Component Analysis with Features, AAAI 2018. **(Oral)**

84. **Jiankang Deng**, Yuxiang Zhou, Shiyang Cheng, Stefanos Zafeiriou. Cascade Multi-view Hourglass Model for Robust 3D Face Alignment, FG 2018.

85. Yuxiang Zhou, **Jiankang Deng**, Stefanos Zafeiriou. Improve Accurate Pose Alignment and Action Localization by Dense Pose Estimation, FG 2018.

Workshop Publications

1. Michail Tarasiou, Stylianos Moschoglou, **Jiankang Deng**, Stefanos Zafeiriou. Improving Face Generation Quality and Prompt Following with Synthetic Captions, ECCV Workshops 2024.

2. Yongshuo Zong, Ismail Elezi, Yongxin Yang, **Jiankang Deng**, Timothy Hospedales. Long-context Vision Large Language Models: Empirical Insights and a Baseline, ICML Workshops 2024.

3. Haocheng Yuan, Ajian Liu, Junze Zheng, Jun Wan, **Jiankang Deng**, Sergio Escalera, Hugo Jair Escalante, Isabelle Guyon, Zhen Lei. Unified Physical-Digital Attack Detection Challenge, CVPR Workshops 2024.

4. Siying Cui, Jia Guo, Xiang An, **Jiankang Deng**, Yongle Zhao, Xinyu Wei, Ziyong Feng. IDAdapter: Learning Mixed Features for Tuning-Free Personalization of Text-to-Image Models, CVPR Workshops 2024.

5. Michail Tarasiou, **Jiankang Deng**, Stefanos Zafeiriou. Rethinking the Domain Gap in Near-infrared Face Recognition, CVPR Workshops 2024.

6. Francesca Babiloni, Thomas Tanay, **Jiankang Deng**, Matteo Maggioni, Stefanos Zafeiriou. Factorized Dynamic Fully Connected Layers for Neural Networks, ICCV Workshops 2023.

7. Dong Wang, Jia Guo, Qiqi Shao, Haochi He, Zhian Chen, Chuanbao Xiao, Ajian Liu, Sergio Escalera, Hugo Jair Escalante, Zhen Lei, Jun Wan, **Jiankang Deng**. Wild Face Anti-Spoofing Challenge 2023: Benchmark and Results, CVPR Workshops 2023.

8. Guo Jia, Jinke Yu, Alexandros Lattas, **Jiankang Deng**. Perspective Reconstruction of Human Faces by Joint Mesh and Landmark Regression, ECCV Workshops 2022.

9. **Jiankang Deng**, Jia Guo, Xiang An, Zheng Zhu, Stefanos Zafeiriou. Masked Face Recognition Challenge: The InsightFace Track Report, ICCV Workshops 2021.

10. Zhu, Zheng, Guan Huang, **Jiankang Deng**, Yun Ye, Junjie Huang, Xinze Chen, Jiagang Zhu, Tian Yang, Jia Guo, Jiwen Lu, Dalong Du, Jie Zhou. Masked Face Recognition Challenge: The Webface260m Track Report, ICCV Workshops 2021.

11. **Jiankang Deng**, Jia Guo, Debing Zhang, Yafeng Deng, Xiangju Lu, Song Shi. Lightweight Face Recognition Challenge, ICCV Workshops 2019.

12. **Jiankang Deng**, Jia Guo, Stefanos Zafeiriou. Single-Stage Joint Face Detection and Alignment, ICCV Workshops 2019.

13. **Jiankang Deng**, Stefanos Zafeiriou. ArcFace for Disguised Face Recognition, ICCV Workshops 2019.

14. Stefanos Zafeiriou, Grigorios G. Chrysos, Anastasios Roussos, Evangelos Ververas, **Jiankang Deng**, George Trigeorgis. The 3D Menpo Facial Landmark Tracking Challenge, ICCV Workshops 2017.

15. **Jiankang Deng**, Yuxiang Zhou, Stefanos Zafeiriou. Marginal Loss for Deep Face Recognition, CVPR Workshops 2017.

16. Stylianos Moschoglou, Athanasios Papaioannou, Christos Sagonas, **Jiankang Deng**, Irene Kotsia, Stefanos Zafeiriou. AgeDB: The First Manually Collected, In-the-Wild Age Database, CVPR Workshops 2017.

17. Stefanos Zafeiriou, George Trigeorgis, Grigorios Chrysos, **Jiankang Deng**, Jie Shen. The Menpo Facial Landmark Localisation Challenge: A Step Towards the Solution, CVPR Workshops 2017.

18. Jing Yang, **Jiankang Deng**, Kaihua Zhang, Qingshan Liu. Facial Shape Tracking via Spatio-Temporal Cascade Shape Regression, ICCV Workshops 2015.

Patents

1. **GB2576784**: Facial landmark localisation system and method. **Jiankang Deng** and Stefanos Zafeiriou. (Granted)

2. **GB2582833**: Facial localisation in images. **Jiankang Deng** and Stefanos Zafeiriou. (Granted)

3. **GB2592076**: Method of training an image classification model. **Jiankang Deng** and Stefanos Zafeiriou. (Granted)

4. **GB2581536**: Joint shape and texture decoders for three-dimensional rendering. **Jiankang Deng**, Yuxiang Zhou and Stefanos Zafeiriou. (Pending)

5. **US20220147790A1**: Deep Polynomial Neural Networks. Stefanos Zafeiriou, **Jiankang Deng**, Stylianos Moschoglou and Grigorios Chrysos. (Pending)

Academic Services

1. Area Chair of Computer Vision and Pattern Recognition (CVPR), 2024/2025

2. Area Chair of International Conference on Computer Vision (ICCV), 2025

3. Area Chair of International Conference on Machine Learning (ICML), 2024/2025

4. Area Chair of International Conference on Learning Representations (ICLR), 2025

5. Area Chair of Conference on Neural Information Processing Systems (NeurIPS), 2025

6. Senior Program Committee of AAAI Conference on Artificial Intelligence (AAAI), 2026

7. Associate Editor of IEEE Transactions on Image Processing (Impact Factor: 10.8)

8. Associate Editor of Neural Networks (Impact Factor: 6.0)