Peng Zheng

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Education

Master: 2019-09 ~2020-08, University of Trento, Dept. DISI.

2020-09 ~now, Aalto University, Dept. School of Science.

Bachelor: 2015-08 - 2019-07, Hebei Normal University, Dept. College of Software, rank: 2/98.

Working Experience: 2022-01~2022-09, working as a research assistant in Mohamed bin Zayed University of Artificial Intelligence (MBZUAI), supervised by Prof. Huan Xiong.

2021-03~2021-12, work as a research intern in Inception Institute of Artificial Intelligence (IIAI) led by Prof. Ling Shao, supervised by Prof. Jie Qin and Dr. Deng-Ping Fan.

2017-12~2018-02, work as a machine learning algorithm engineer in Baidu Inc. for the department of Recommendation Technology Platform.

Research Interests: Co-salient object detection, Person Search.

Github: https://github.com/ZhengPeng7.

Google Scholar: https://scholar.google.com/citations?user=TZRzWOsAAAAJ.

Publications

2022-08 **Peng Zheng**, Jie Qin*, Shuo Wang, Tianzhu Xiang, Huan Xiong*. "Memory-aided Contrastive Consensus Learning for Co-salient Object Detection." AAAI2023-submission.

2022-05 **Peng Zheng**, Huazhu Fu, Deng-Ping Fan*, Qi Fan, Jie Qin, Yu-Wing Tai, Chi-Keung Tang, Luc Van Gool. "GCoNet+: A Stronger Group Collaborative Co-Salient Object Detector." IEEE Transactions on Pattern Analysis and Machine Intelligence (T-PAMI) Major-Revision. arXiv:2205.15469 (2022).

2022-03 Yichao Yan, Jinpeng Li, Jie Qin, **Peng Zheng**, Shengcai Liao, Xiaokang Yang. "Efficient Person Search: An Anchor-Free Approach." International Journal of Computer Vision (IJCV) Major-Revision. arXiv preprint arXiv:2109.00211 (2022).

2021-11 **Peng Zheng**, Jie Qin*, Yichao Yan, Bingbing Ni, Xiaogang Cheng, Ling Shao. "Global-Local Context Network for Person Search." arXiv preprint arXiv:2112.02500 (2021).

2021-10 Deng-Ping Fan, Ziling Huang, **Peng Zheng**, Hong Liu*, Xuebin Qin*, Luc Van Gool. "Facial-sketch Synthesis: A New Challenge." Machine Intelligence Research (MIR) 19.4 (2022): 257-287.

Patents

2018-07 **Peng Zheng**, Xiaogang Cheng, Zhaohui Zhang. "Window-based adaptive Canny operator for leaf vein extraction". Application Number: 201810832377.1, Application Date: 2018-07-26.

Skills

Programming / Tools: Python, MATLAB, etc. / Linux, Git, Inkscape, LaTeX, etc.

Libraries: Pytorch, Keras, Tensorflow, OpenCV, etc.

Language Skills: IELTS-6.5

Awards

· Non-EU Merit Nomination Scholarship from EIT Digital.
· Outstanding undergraduate graduates.
· Outstanding undergraduate thesis.

Academic Services

Journal Reviewer T-PAMI, CVIU, TVCJ.

Conference Reviewer AAAI2023, PRCV2021.