



Yaxing Wang

PhD

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Gender Male — Date of birth 25/07/1988 — Nationality Chinese

OVERVIEW

I am a postdoctoral with Joost van de Weijer at Computer Vision Center (CVC). I received my PhD degree from engineering school at Autonomous University of Barcelona(UAB) in 2020 under the advisement of Joost van de Weijer. I received my MS degree in signal processing from Zhengzhou University in 2015.

RESEARCH INTERESTS

Computer vision, deep learning, image generation, object recognition, semantic segmentation, lifelong learning.

EDUCATION

PhD in Computer Science

2015 -

Autonomous University of Barcelona

M.S in Signal Processing

2012 - 2015

Zhengzhou University, China

PUBLICATIONS

12. Yaxing Wang, Salman Khan, Abel Gonzalez-Garcia, Joost van de Weijer, Fahad Shahbaz Khan, “Semi-GAN: Few-Shot Semi-Supervised Unpaired Image-to-Image Translation”, **Accepted**, CVPR (2020).
11. Yaxing Wang, Abel Gonzalez-Garcia, David Berga, Luis Herranz, Fahad Shahbaz Khan, Joost van de Weijer, “MineGAN: effective knowledge transfer from GANs to target domains with few images”, **Accepted**, CVPR (2020).
10. Yaxing Wang, Abel Gonzalez-Garcia, Joost van de Weijer, Luis Herranz, “SDIT: Scalable and Diverse Cross-domain Image Translation”, **Published**, ACM-MM (2019).
9. Chenshen Wu, Xialei liu, Yaxing Wang, Luis Herranz, Joost van de Weijer, Bogdan Raducanu, “Memory Replay GANs: learning to generate images from new categories without forgetting”, **Published**, NIPs (2018).

8. Yaxing Wang, Chenshen Wu, Luis Herranz, Joost van de Weijer, Abel Gonzalez-Garcia, Bogdan Raducanu, “Transferring GANs: generating images from limited data”, **Published**, European Conference on Computer Vision(ECCV) (2018).
7. Yaxing Wang, Joost van de Weijer and Luis Herranz, “Mix and match networks: encoder-decoder alignment for zero-pair image translation”, **Published**, Conference on Computer Vision and Pattern Recognition(CVPR) (2018).
6. Yaxing Wang, Lichao Zhang and Joost van de Weijer, “Ensembles of generative adversarial networks”, **Published**, Conference on Neural Information Processing Systems Workshop on Adversarial Training (2016).
5. Ozan Caglayan, Walid Aransa, Yaxing Wang, Marc Masana, Mercedes García-Martínez, Fethi Bougares, Loïc Barrault, Joost Van de Weijer, “Does multimodality help human and machine for translation and image captioning?”, **Published**, ACL2016 the First Conference on Machine Translation (2016).
4. Li Yang, Xiaomi Mu, Yaxing Wang and Yaping Wang, “Image Super-resolution Using Mid-level Representations ”, **Published**, International Conference on Information Engineering and Communications Technology (2016).
3. Yaxing Wang, Lin Qi, Xin Guo, Enqing Chen, “Fusion of complementary discrete fractional Fourier features extracted through sparse PCA in generalized frequency domains for face recognition”, **Published**, Application Research of Computers (2016).
2. Jiangxue Tian, Lin Qi and Yaxing Wang , “Spectral residual method of saliency detection based on the two-dimensional fractional Fourier transform domain”, **Published**, Seventh International Conference on Graphic and Image Processing (2015).
1. Yaxing Wang, Lin Qi, Xin Guo and Lei Gao, “Face recognition based on histogram of the 2D-FrFT magnitude and phase”, **Published**, Seventh International Conference on Graphic and Image Processing (2014).

RELATED PROJECTS

- Multilingual Multimodal Continuous Representation for Human Language Understanding(2015 -)
- Face Expression Recognition Based on on FrFT(2014 - 2015)
- The basic theory and application of fractional Fourier transform application(2013 - 2015)
- Single-channel/multi-channel communication based on FrFT in time-varying channel environment(2013 -2015)

SEMINARS AND LECTURES

- Seminars: Learning and forgetting in image classification and generation, Baidu Research, Beijing(2019)

- Seminars: Mix and match networks: encoder-decoder alignment for zero-pair image translation, Zhengzhou University, Zhengzhou(2018)
- Lectures: Hands-on Deep Learning with MatConvNet(2015)

POSTERS

- Transferring GANs: generating images from limited data, ECCV2018, DLBCN2018(Barcelona) and CVCRD2018(Barcelona)(2018)
- Mix and match networks: encoder-decoder alignment for zero-pair image translation, CVPR2018 and DLVCV2018(Barcelona)(2018)
- Ensembles of Generative Adversarial Network, NIPs2016 workshop(Barcelona, 2016) and CVCRD2018(Barcelona)(2017)
- Multimodal for Translation and Image Captioning, CVCRD2016(Barcelona)(2016)

REVIEWER

- European Conference on Computer Vision(ECCV)(2020)
- Conference on Artificial Intelligence(AAAI)(2020)
- Conference on Computer Vision and Pattern Recognition(CVPR)(2020)
- British Machine Vision Conference(BMVC)(2019)
- IEEE International Conference on Multimedia & Expo(ICME)(2019)
- Conference on Computer Vision and Pattern Recognition(CVPR)(2019)
- International Conference on Computer Vision(ICCV)(2019)

SKILLS AND LANGUAGE

- Computer skills: Python, C++
- Deep learning frameworks: Tensorflow, Pytorch, Caffe, Matconvnet
- Language level: Proficient usage

CHALLENGES

- 1st: WMT16 Multimodal Machine Translation challenge (2016)
- 2nd: Mathematical Contest In Modeling (2011)
- 2nd: China Undergraduate Mathematical Contest in Modelling (2010)

AWARDS

- Excellent Undergraduate Student in Zhengzhou University(2015)
- Excellent Undergraduate Student in Huanghe Science and Technology College(2012)
- The Second Prize of Mathematical Contest In Modeling and Interdisciplinary Contest In Modeling(2010)