Yaxing Wang

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

OVERVIEW

I am a fourth-year PhD student in the engineering school at Autonomous University of Barcelona(UAB). My supervisor is Joost van de Weijer who is a senior researcher at the Computer Vision Center(CVC) in UAB.

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

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, <u>Yaxing Wang</u>, 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, <u>Yaxing Wang</u> and Yaping Wang, "Image Super-resolution Using Mid-level Representations ", **Published**, International Conference on Information Engineering and Communications Technology (2016).

3. <u>Yaxing Wang</u>, 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 <u>Yaxing Wang</u> , "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. <u>Yaxing Wang</u>, 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 DLCV2018(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

- 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 lever: 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)