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## 研究方向

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生成模型 & 图像翻译 & 终身学习 & 领域自适应

## 教育工作背景

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西班牙巴塞罗那自治大学, 博后, 导师: Joost van de Weijer	2020.01 – 至今
阿联酋人工智能起源研究院 (IIAI), 实习, 导师: Fahad Shahbaz Khan	2019.05 – 2019.08
西班牙巴塞罗那自治大学, 计算机视觉, 博士, 导师: Joost van de Weijer	2015.10 – 2019.12
郑州大学, 信息工程学院, 信号处理, 硕士, 导师: 齐林	2012.09 – 2015.07
黄河科技学院, 信息工程学院, 通信工程, 本科	2008.09 – 2012.07

## 科研成果

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会议论文:

12. **Yaxing Wang**, Lu yu, Joost van de Weijer, “DeepI2I: Enabling Deep Hierarchical Image-to-Image Translation by Transferring from GANs”, Conference on Neural Information Processing System(NeurIPS), Vancouver, Canada, 2020. (CCF-A 类会议, 计算机学科国际顶会)
11. **Yaxing Wang**, Salman Khan, Abel Gonzalez-Garcia, Joost van de Weijer, Fahad Shahbaz Khan, “Semi-Supervised learning for Few-Shot Unpaired Image-to-Image Translation”, IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Seattle, USA, 2020. (CCF-A 类会议, 计算机学科国际顶会)
10. **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”, IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Seattle, USA, 2020. (CCF-A 类会议, 计算机学科国际顶会)
9. Lei Kang, Pau Riba, **Yaxing Wang**, Marçal Rusiñol, Alicia Fornés, Mauricio Villegas, “GANwriting: Content-Conditioned Generation of Styled Handwritten Word Images”, European Conference on Computer Vision (ECCV), Glasgow, UK, 2020. (CCF-B 类会议, 计算机学科国际顶会)
8. **Yaxing Wang**, Gonzalez-Garcia Abel, van de Weijer Joost, Herranz Luis, “SDIT: Scalable and Diverse Cross-domain Image Translation”, ACM Multimedia (ACM-MM), Nice, France, 2019. (CCF-A 类会议, 计算机学科国际顶会)
7. Chenshen Wu, Luis Herranz, Xiaolei liu, **Yaxing Wang**, Joost van de Weijer, Bogdan Raducanu, “Memory Replay GANs: learning to generate images from

new categories without forgetting”, Conference on Neural Information Processing System(NeurIPS), Montreal, Canada, 2018. (CCF-A 类会议, 计算机学科国际顶会)

6. **Yaxing Wang**, Chenshen Wu, Luis Herranz, Joost van de Weijer, Abel Gonzalez-Garcia, Bogdan Raducanu, “Transferring GANs: generating images from limited data”, European Conference on Computer Vision (ECCV), Munich, Germany, 2018. (CCF-B 类会议, 计算机学科国际顶会)
5. **Yaxing Wang**, Joost van de Weijer and Luis Herranz, “Mix and match networks: encoder-decoder alignment for zero-pair image translation”, IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Salt Lake City, USA, 2018. (CCF-A 类会议, 计算机学科国际顶会)
4. **Yaxing Wang**, Lichao Zhang and Joost van de Weijer, “Ensembles of generative adversarial networks”, Conference on Neural Information Processing Systems Workshop on Adversarial Training, Barcelona, Spain, 2016. (研究展示会)
3. Ozan Caglayan, Walid Aransa, **Yaxing Wang**, Marc Masana, Mercedes García-Martínez, Fethi Bougares, Loïc Barrault, Joost Van de Weijer, “Does multi-modality help human and machine for translation and image captioning?”, ACL the First Conference on Machine Translation (WMT), Berlin, Germany, 2016. (国际机器翻译顶会)
2. Li Yang, Xiaomi Mu, **Yaxing Wang** and Yaping Wang, “Image Super-resolution Using Mid-level Representations ”, International Conference on Information Engineering and Communications Technology(IECT) , KunMing, China, 2016. (国际图像处理会议)
1. **Yaxing Wang**, Lin Qi, Xin Guo and Lei Gao, “Face recognition based on histogram of the 2D-FrFT magnitude and phase”, Seventh International Conference on Graphic and Image Processing(ICGIP) , Singapore, 2015. (国际图形图像处理会议)

#### 期刊论文：

3. **Yaxing, Wang**, Herranz Luis, van de Weijer Joost, “Mix and match networks: cross-modal alignment for zero-pair image-to-image translation”, International Journal of Computer Vision(IJCV), 2020. (中科院一区, CCF A 类期刊, 计算机视觉顶级期刊)
2. **Yaxing Wang**, Joost van de Weijer and Luis Herranz, “Controlling biases and diversity in diverse image-to-image translation”, Computer Vision and Image Understanding(CVIU) , 2020. (中科院三区, CCF B 类期刊)
1. **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”, Application Research of Computers, 2015. (EI 期刊)

## 在审论文

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1. **Yaxing Wang**, Abel Gonzalez-Garcia, Chenshen Wu, Luis Herranz, Fahad Shahbaz Khan, Shangling Jui and Joost van de Weijer, “MineGAN++: Mining Generative Models for Efficient Knowledge Transfer to Limited Data Domains”, IEEE Transactions on Pattern Analysis and Machine Intelligence(PAMI), 2020. (中科院一区, CCF A 类期刊, 计算机视觉顶级期刊)

## 参与项目

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- 华为海思：开放环境下的终身学习 (2019 -至今)
- 多模态下的人类语言的理解 (2015 -2019)
- 分数阶傅里叶变换的人脸识别 (2014 - 2015)
- 分数阶傅里叶变换的基本理论和应用 (2013 - 2015)

## 学术贡献

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在 TPAMI, TCSVT, CVPR(2021), ICML(2021), ICCV(2021), ICLR(2021), AAAI(2021), NeurIPS(2020), ECCV(2020), AAAI(2020), CVPR(2020), BMVC(2020), ACCV(2020), CVPR(2019), ICCV(2019), BMVC(2019), ICME(2019) 等顶级期刊会议担任审稿人