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籍贯: 上海长宁区



研究方向:

人因工程学, 人类工效学

求学和学术经历:

副教授, 温州大学, 2020.3-至今, 计算机与人工智能学院
讲师, 英国纽卡斯尔大学, 2019.1 -2019.6, 人机交互与人因工程
博士后, 英国纽卡斯尔大学, 2015.10-2018.12, 人机交互与人因工程
博士, 英国林肯大学, 2011.10 -2015.6, 人机交互与人因工程
硕士, 韩国翰林大学, 2009.1-2011.3, 电子工程系
语言培训, 韩国翰林大学, 2008.1-2008.12, 韩国语课程
学士, 上海工程技术大学, 2003.9-2007.7, 汽车工程

企业工作经历:

2019.5, 外聘兼职顾问, 华为科技有限公司, 智慧驾驶项目人因工程子项目
2020.12, 外聘兼职顾问, 上海遨拓深水装备有限公司, 水下机器人检测项目

主要荣誉:

1. 2010年 韩国多媒体协会最佳论文奖
2. 欧盟FP7 EYE2E, LIVCODE, HAZCEPT 2011-2015 博士全额奖学金
3. 2018 EYE GAZE WORKSHOP 最佳论文奖

科研:

主要发表期刊:

1. **Jiawei Xu**, Seop Hyeong Park and Xiaoqin Zhang, "[A Temporally Irreversible Visual Attention Model Based on Motion Sensitive Neurons](#)", *IEEE Transactions on Industrial Informatics (TII)*, 16(1), pp. 855-865, 2020.
2. **Jiawei Xu**, Seop Hyeong Park and Xiaoqin Zhang, "[Improvement of Road Driving Safety Guided by Visual Perceptual Blindness](#)," *IEEE Transactions on Intelligent Transportation Systems (TITS)*, 2021.
3. **Jiawei Xu** and Shigang Yue, "[Mimicking Visual Searching with Integrated Top Down cues and Low-level Features](#)," *Neurocomputing*, volume 133, pp. 1-17, 2014.
4. **Jiawei Xu**, Seop Hyeong Park and Xiaoqin Zhang, "[A Bio-inspired Motion Sensitive Model and Its Application to Estimating Human Gaze Positions under Classified Driving Conditions](#)," *Neurocomputing*, volume 345, pp. 23 -34, 2019.
5. **Jiawei Xu**, Xiaoqin Zhang, Huiling Chen, Jing Li, Jin Zhang, Ling Shao and Gang Wang, "[Automatic Analysis of Microaneurysms Turnover to Diagnose the Progression of Diabetic Retinopathy](#)", *IEEE Access*, 6, pp. 9632 – 9642, 2018.
6. **Jiawei Xu**, Shigang Yue, Federica Menchinell and Kun Guo, "[What has been missed for predicting human attention in viewing driving videos?](#)" *PeerJ*, volume 5, e2946, 2017.
7. **Jiawei Xu**, Seop Hyeong Park, Xiaoqin Zhang, "[Improvement of Viewing Experience on Stereoscopic Image Guided by Human Stereo Vision](#)", *Multimedia Tools and Applications*, 79, pp. 4377–4394, 2019.
8. **Jiawei Xu**, Ruisheng Wang and Shigang Yue, "[Bio-inspired Classifier for Road Extraction from Remote Sensing Imagery](#)," *SPIE Journal of Applied Remote Sensing*, 8(1), 083577, 2014.
9. **Jiawei Xu**, Shigang Yue and Yuchao Tang, "[A Motion Attention Model Based on Rarity Weighting and Motion Cues in Dynamic Scenes](#)," *International Journal of Pattern recognition and Artificial Intelligence*, 27(6), 1355009, 2013.
10. **Jiawei Xu** and Shigang Yue, "[Building up a Bio-inspired Visual Attention Model by Integrating Top-down Shape Bias and Improved Meanshift Adaptive Segmentation](#)," *International Journal of Pattern recognition and Artificial Intelligence*, 29(4), 1555005, 2015.
11. **Jiawei Xu**, Kun Guo, Federica Menchinell and Seop Hyeong Park, "[Eye Fixation Location Recommendation in Advanced Driver Assistance System](#)," *Journal of Electrical Engineering & Technology*, 14(6), pp. 965–978, 2019.
12. Dongdong Wang, Xinwen Hou, **Jiawei Xu**, Shigang Yue and Cheng-Lin Liu, "Traffic Sign Detection

- Using a Cascade Method with Fast Feature Extraction and Saliency Test,” *IEEE Transactions on Intelligent Transportation Systems (TITS)*, 18(12), pp. 3290-3302, 2017.
13. Xiaoqin Zhang, Jinxin Wang, Tao Wang, Runhua Jiang, **Jiawei Xu**, Li Zhao, Robust Feature Learning for Adversarial Defense via Hierarchical Feature Alignment, Information Science, 2021.
 14. Jian Zhang, Jian Yang, Jianqun Qian and **Jiawei Xu**, “Nearest Orthogonal Matrix Representation for Face Recognition,” *Neurocomputing*, 151(1), pp. 471-480, 2015.
 15. Tao Wang, Li Zhao, Pengcheng Huang, Xiaoqin Zhang, **Jiawei Xu**, “Haze Concentration Adaptive Network for Image Dehazing” *Neurocomputing*, vol. 439, pp. 75-85, 2021.
 16. Zhishe Wang, **Jiawei Xu**, Xiaolin Jiang, Xiaomei Yan, “Infrared and visible image fusion via hybrid decomposition of NSCT and morphological sequential toggle operator,” *OPTIK*, 201:163497, 2020.
 17. Chuang Zhang, **Jiawei Xu**, Xiaoyu Huang, Seop Hyeong Park, “No-Reference Image Quality Assessment Using Independent Component Analysis and Convolutional Neural Network,” *Journal of Electrical Engineering & Technology*, 14(5), pp. 487-496, 2019.
 18. Chuang Zhang, Xian-wen, Sun, **Jiawei Xu**, Xiaoyu Huang, Seop Hyeong Park, “A Generative Adversarial Network to Denoise Depth Maps for Quality,” *Journal of Electrical Engineering & Technology*, 2021.

主要会议:

1. Xinxia Zhang, Xiaoqin Zhang, Li Zhao, Runhua Jiang, Pengcheng Huang and **Jiawei Xu**, “Multi-level Feature Fusion Network for Single Image Super-Resolution”, *International Workshop on Big Media Dataset Construction, Management and Applications*, 2020.
2. Shengping Wang, Li Zhao, Runhua Jiang, Pengcheng Huang, and **Jiawei Xu**, “Feature Fusion Based on Sparse Block for Image Super-resolution”, *International Workshop on Big Media Dataset Construction, Management and Applications*, 2020.
3. Mengqing Sun, Li Zhao, Jingjing Zheng and **Jiawei Xu**, “A Nonlocal Denoising Framework Based on Tensor Robust Principal Component Analysis with Lp norm”, *International Workshop on Big Media Dataset Construction, Management and Applications*, 2020.
4. Anqi Rong, Li Zhao, Pengcheng Huang, and **Jiawei Xu**, “Self-calibrated Attention Residual Network for Image Super-Resolution”, *International Workshop on Big Media Dataset Construction, Management and Applications*, 2020

会员身份:

中国人因工程协会会员
AFHEA 协会会员

专利申请:

《一种基于视觉注意力的安全驾驶方法》，温州大学计算机与人工智能学院

教学工作:

2019学年第一学期，《人因工程》32学时，（Newcastle University）
2019学年第二学期，《人机交互》16学时，（Newcastle University）
2020学年第一学期，《人工智能导论》32课时，温州大学
2020学年第二学期，《智能制造技术基础》，64课时，温州大学
2020学年第二学期，《计算机图形学》，48课时，温州大学

推荐信:

1. Professor Kun Guo, 英国林肯大学心理学系，博士期间导师，个人主页：
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2. Professor Seop Hyeong Park, 韩国翰林大学电子工程系，硕士期间导师，个人主页：
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