

张笑钦教授简介

一、个人基本情况

姓名：张笑钦

职称：教授、博导

联系方式：xqzhang@wzu.edu.cn

学习经历：

2005.09-2010.07，中国科学院自动化研究所模式识别国家重点实验室，博士

2009.09-2009.10，日本京都大学，访问研究助理

2001.09-2005.06，中南大学，电子信息科学与技术，学士

工作经历：

2010.07-至今，温州大学计算机与人工智能学院，讲师->副教授->教授

2018.01-2018.08，国家自然科学基金委信息学部，挂职借调

2016.01-2016.12，德国慕尼黑工业大学，洪堡学者

2015.03-2015.06，美国约翰霍普金斯大学，访问学者

2013.02-2013.08，微软亚洲研究院（铸星计划项目），访问研究员

2008.03-2008.07，英特尔中国研究院，实习生

二、担任课程

➤ 本科生：C语言、图像处理、多媒体原理和实践、数学模型与实

验、高等数学

➤ 研究生：机器学习、文献检索与论文写作

三、研究方向

计算机视觉、图像处理、机器学习、数据挖掘

四、获奖情况

➤ 科研获奖

1. 国家自然科学基金二等奖，2020
2. 浙江省自然科学一等奖，2020
3. 国家优秀青年科学基金获得者，2019
4. 浙江省万人计划(青年拔尖、科技创新领军)人才，2018-2019
5. 温州市优秀科技工作者，2015
6. 温州大学校长特别奖，2015、2019、2020
7. 德国洪堡学者，2014
8. 浙江省科技奖三等奖，2014
9. 浙江省 151 人才工程，(2013 年第三层次，2014 年第二层次)
10. 温州市“551 人才工程”，(2012 年第二层次，2014 年第一层次)
11. 温州市特支计划人才(青年拔尖人才、科技创新领军人才)，2013、2018
12. 微软青年学者铸星计划(StarTrack)，2012
13. 中国计算机学会 CCF 优秀博士论文奖，2011
14. 中国科学院朱李月华优秀博士奖，2010

15.北京市科技奖二等奖，2009

16.微软学者，2008

➤ **教学获奖**

1. 浙江省优秀教师，2018

2. 浙江省数学建模竞赛优秀指导师，2017

3. 温州大学“步青教学名师奖”，2017

4. “青春温大”榜样人物，2017

5. 温州大学教学成果一等奖，2016

6. 温州大学教坛新秀奖，2013

7. 温州大学优秀教师，2013

8. 温州大学科技创新十佳指导教师，2012、2015、2017

➤ **指导学科竞赛获奖**

1. 全国互联网+创新创业竞赛铜奖（浙江省赛金奖），2017

2. 全国“挑战杯”大学生创业计划竞赛金奖（浙江省赛特等奖），
2014

3. 全国大学生数学建模竞赛一等奖，2017

4. 全国大学生数学建模竞赛二等奖，2016

5. 全国大学生数学建模竞赛二等奖，2015

6. 全国大学生数学建模竞赛一等奖，2014

7. 全国大学生数学建模竞赛二等奖，2014

8. 全国大学生数学建模竞赛一等奖，2013

9. 全国大学生数学建模竞赛二等奖，2012

- 10.全国研究生数学建模竞赛三等奖，2020
- 11.全国研究生数学建模竞赛三等奖，2018
- 12.全国研究生数学建模竞赛二等奖，2017
- 13.全国研究生数学建模竞赛三等奖，2011
- 14.美国大学生数学建模竞赛二等奖，2015
- 15.美国大学生数学建模竞赛二等奖，2012
- 16.美国大学生数学建模竞赛一等奖，2011

➤ **其他获奖**

1. 温州市当担作为好干部，2020
2. 温州市十大杰出青年，2018
3. 龙湾区十大杰出青年，2017
4. 温州市十大优秀青年岗位能手，2014

五、论文、课题、专利、教学成果等

➤ **部分论文 (SCI 二区以上期刊论文+CCF-A 类会议论文)**

1. Mingyu Fan, **Xiaoqin Zhang***, Jie Hu, Nannan Gu, Dacheng Tao, "Adaptive Data Structure Regularized Multi-class Discriminative Feature Selection", ***IEEE Transactions on Neural Networks and Learning Systems***, 2021.
2. **Xiaoqin Zhang**, Jinxin Wang, Tao Wang, Runhua Jiang, "Hierarchical Feature Fusion with Mixed Convolution Attention for Single Image Dehazing", ***IEEE***

Transactions on Circuits and Systems for Video Technology, 2021.

3. Luming Zhang, Ge Su, Jianwei Yin, Ying Li, Qiuru Lin, **Xiaoqin Zhang***, and Ling Shao, "Bioinspired Scene Classification by Deep Active Learning With Remote Sensing Applications" , *IEEE Transactions on Cybernetics*, 2021.
4. Luming Zhang, **Xiaoqin Zhang***, Mingliang Xu, and Ling Shao, "Massive-scale Aerial Photo Categorization by Cross-resolution Visual Perception Enhancement" , *IEEE Transactions on Neural Networks and Learning Systems*, 2021.
5. Linwei Ye, Mrigank Rochan, Zhi Liu, **Xiaoqin Zhang**, Yang Wang, "Referring Segmentation in Images and Videos with Cross-Modal Self-Attention Network" , *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 2021.
6. Tao Wang, Li Zhao, Pengcheng Huang, **Xiaoqin Zhang**, Jiawei Xu, "Haze Concentration Adaptive Network for Image Dehazing" , *Neurocomputing*, vol. 439, pp. 75-85, 2021.
7. **Xiaoqin Zhang**, Runhua Jiang, Chenxiang Fan, Tianyu

- Tong, Tao Wang, and Pengcheng Huang, "Advances in Deep Learning Methods for Visual Tracking: Literature Review and Fundamentals" , *International Journal of Automation and Computing*, 2020.
8. Wenhan Luo, Junliang Xing, Anton Milan, **Xiaoqin Zhang**, Wei Liu and Tae-Kyun Kim, "Multiple Object Tracking: A Literature Review" , *Artificial Intelligence*, 2020.
 9. **Xiaoqin Zhang**, Tao Wang, Wenhan Luo, Pengcheng Huang, "Multi-level Fusion and Attention-guided CNN for Image Dehazing" , *IEEE Transactions on Circuits and Systems for Video Technology*, 2020.
 10. **Xiaoqin Zhang**, Jinxin Wang, Tao Wang, Runhua Jiang, Jiawei Xu, Li Zhao*, "Robust Feature Learning for Adversarial Defense via Hierarchical Feature Alignment" , *Information Sciences*, 2020.
 11. Jiawei Xu, Seop Hyeong Park, **Xiaoqin Zhang***, Jie Hu, "The Improvement of Road Driving Safety Guided by Visual Inattentional Blindness" , *IEEE Transactions on Intelligent Transportation Systems*, 2020.
 12. Pengcheng Huang, Li Zhao, Runhua Jiang, Tao Wang, **Xiaoqin Zhang***, "Self-filtering mage Dehazing with

- Self-supporting Module" , *Neurocomputing*, vol. 432, pp. 57-69, 2021.
13. Tao Wang, **Xiaoqin Zhang***, Runhua Jiang, Li Zhao, Huiling Chen, Wenhan Luo, "Video Deblurring via Spatiotemporal Pyramid Network and Adversarial Gradient Prior" , *Computer Vision and Image Understanding*, 2020.
14. **Xiaoqin Zhang*** ,Runhua Jiang ,Tao Wang ,Jinxin Wang , "Recursive Neural Network for Video Deblurring" , *IEEE Transactions on Circuits and Systems for Video Technology* , 2020.
15. Caixia Yan, Minnan Luo, Qinghua Zheng, Xiaojun Chang, **Xiaoqin Zhang***, Feiping Nie, "Self-Weighted Robust LDA for Multiclass Classification with Edge Classes" , *ACM Transactions on Intelligent Systems and Technology*, 2020.
16. **Xiaoqin Zhang**, Mingyu Fan, Di Wang, Peng Zhou*, and Dacheng Tao, "Top-k Feature Selection Framework using Robust 0-1 Integer Programming" , *IEEE Transactions on Neural Networks and Learning Systems*, 2020.
17. Sheng Luo, **Xiaoqin Zhang***, Jie Hu, Jinghua Xu,

“Multiple Lane Detection via Combining Complementary Structural Constraints” , *IEEE Transactions on Intelligent Transportation Systems*, 2020.

18. **Xiaoqin Zhang**, Tao Wang, Jinxin Wang, Guiying Tang, Li Zhao*, “Pyramid Channel-based Feature Attention Network for Image Dehazing” , *Computer Vision and Image Understanding*, 197-198: 103003, 2020.

19. Jie Hu, **Xiaoqin Zhang***, Stephen Maybank, “Abnormal Driving Detection with Normalized Driving Behavior Data: A Deep Learning Approach” , *IEEE Transactions on Vehicular Technology*, 69(7): 6943 - 6951, 2020.

20. **Xiaoqin Zhang**, Runhua Jiang, Tao Wang, Pengcheng Huang, Li Zhao, “Attention-Based Interpolation Network for Video Deblurring” , *Neurocomputing*, 2020.

21. Wenhe Liu, Xiaojun Chang, Ling Chen, Dinh Phung, **Xiaoqin Zhang***, Yi Yang, Alexander Hauptmann, “Pair-based Uncertainty and Diversity Promoting Early Active Learning for Person Re-identification” , *ACM Transactions on Intelligent Systems and Technology*, 11(2): 1-15, 2020.

22. **Xiaoqin Zhang**, Di Wang, Zhengyuan Zhou, Yi Ma, "Robust Low-Rank Tensor Recovery with Rectification and Alignment" , *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 2019.
23. **Xiaoqin Zhang**, Jingjing Zheng, Di Wang, Li Zhao, "Exemplar-Based Denoising: A Unified Low-Rank Recovery Framework" , *IEEE Transactions on Circuits and Systems for Video Technology* , 2019
24. **Xiaoqin Zhang**, Qianqian Liu, Di Wang, Li Zhao, Nannan Gu, Steve Maybank, "Self-Taught Semisupervised Dictionary Learning With Nonnegative Constraint" , *IEEE Transactions on Industrial Informatics*, 2019
25. Jiawei Xu, Seop Hyeong Park, **Xiaoqin Zhang***, "A Temporally Irreversible Visual Attention Model Inspired by Motion Sensitive Neurons" , *IEEE Transactions on Industrial Informatics*, 2019
26. Shaobo Lin, Jinshan Zeng, and **Xiaoqin Zhang**, "Constructive neural network learning" , *IEEE Transactions on Cybernetics*, 49(1): 221-232, 2019
27. Sheng Luo, **Xiaoqin Zhang**, Muchou Wang, Jinghua Xu, Xiang Zhang, "A Slight Smoke Perceptual Network" , *IEEE Access*, 7: 42889-42896, 2019.

28. Yueting Xu, Huiling Chen, Jie Luo, Qian Zhang, Shan Jiao, **Xiaoqin Zhang**, "Enhanced Moth-flame Optimization with Mutation Strategy for Global Optimization" , *Information Sciences*, 2019.
29. Jiawei Xu, Seop Hyeong Park, **Xiaoqin Zhang***, "A Bio-Inspired Motion Sensitive Model and Its Application to Estimating Human Gaze Positions under Classified Driving Conditions" , *Neurocomputing*, 345(14): 23-35, 2019.
30. Mingyu Fan, **Xiaoqin Zhang***, Liang Chen, Liang Du, and Dacheng Tao, "Semi-Supervised Learning Through Label Propagation on Geodesics" , *IEEE Transactions on Cybernetics*, 48(5): 1486-1499, 2018.
31. Huazhu Fu, Yanwu Xu, Stephen Lin, **Xiaoqin Zhang**, Damon Wing Kee Wong, Jiang Liu, Alejandro Frangi, Mani Baskaran, and Tin Aung, "Segmentation and Quantification for Angle-Closure Glaucoma Assessment in Anterior Segment OCT" , *IEEE Transactions on Medical Image*, 36(9): 1930-1938, 2017.
32. Di Wang, **Xiaoqin Zhang***, Mingyu Fan, Xiuzi Ye, "Hierarchical Mixing Linear Support Vector Machines for Nonlinear Classification" , *Pattern Recognition*, 59:

255–267, 2016.

33. Mingyu Fan, **Xiaoqin Zhang**, Hong Qiao, Bo Zhang, "Efficient Isometric Multi-Manifold Learning Based on the Self-Organizing Method" , *Information Sciences*, 345(2): 325-339, 2016.
34. **Xiaoqin Zhang**, Weiming Hu, Nianhua Xie, Hujun Bao, Stephen Maybank, "A Robust Tracking System for Low Frame Rate Video" , *International Journal of Computer Vision*, 115(3): 279-304, 2015.
35. Weiming Hu, Wei Li, **Xiaoqin Zhang**, Stephen Maybank, "Single and Multiple Object Tracking Using a Multi-Feature Joint Sparse Representation" , *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 37(4): 816-833, 2015.
36. **Xiaoqin Zhang**, Wei Li, Xiuzi Ye, Steve Maybank, "Robust Hand Tracking via Novel Multi-cue Integration" , *Neurocomputing*, 157: 296-305, 2015.
37. **Xiaoqin Zhang**, Weiming Hu, Shengyong Chen, Steve Maybank, "Graph Embedding Based Learning for Robust Object Tracking" , *IEEE Transactions on Industrial Electronics*, 61(2): 1072-1084, 2014.
38. **Xiaoqin Zhang**, Changcheng Li, Xiaofeng Tong,

- Weiming Hu, Steve Maybank, Yimin Zhang, "Human Pose Estimation and Tracking via Parsing a Tree Structure Based Human Model" , *IEEE Transactions on Systems, Man and Cybernetics: Systems*, 44(5): 580-592, 2014.
39. Mingyu Fan, **Xiaoqin Zhang***, Zhouchen Lin, Zhongfei Zhang, Hujun Bao, "A Regularized Approach for Geodesic Based Semi-Supervised Multi-Manifold Learning" , *IEEE Transactions on Image Processing*, 23(5): 2133-2147, 2014.
40. **Xiaoqin Zhang**, Weiming Hu, Hujun Bao, Steve Maybank, "Robust Head Tracking Based on Multiple Cues Fusion in the Kernel-Bayesian Framework" , *IEEE Transactions on Circuits and Systems for Video Technology*, 23(7): 1197-1208, 2013.
41. **Xiaoqin Zhang**, Wei Li, Weiming Hu, Haibin Ling, Steve Maybank, "Block Covariance Based L1 Tracker with a Subtle Template Dictionary" , *Pattern Recognition*, 46(7): 1750-1761, 2013.
42. Weiming Hu, Xue Zhou, Wei Li, Wenhan Luo, **Xiaoqin Zhang**, Stephen Maybank, "Active Contour-Based Visual Tracking by Integrating Colors, Shapes and

- Motions" , *IEEE Transactions on Image Processing*, 22(5): 1778-1792, 2013.
43. Mingyu Fan, **Xiaoqin Zhang***, Shengyong Chen, Hujun Bao, Steve Maybank, "Dimension estimation of image manifolds by minimal cover approximation" , *Neurocomputing*, 105(1): 19-29, 2013.
44. Weiming Hu, Xi Li, Wenhan Luo, **Xiaoqin Zhang**, Steve Maybank, Zhongfei Zhang, "Single and Multiple Object Tracking Using Log-Euclidean Riemannian Subspace and Block-Division Appearance Model" , *IEEE Trans. on Pattern Analysis and Machine Intelligence*, 34(12): 2420-2440, 2012.
45. **Xiaoqin Zhang**, Xingchu Shi, and Weiming Hu, "Visual Tracking via Dynamic Tensor Analysis with Mean Update" , *Neurocomputing*, 74(17): 3277-3285, 2011.
46. Weiming Hu, Xi Li, **Xiaoqin Zhang**, Xingchu Shi, and Steve Maybank, "Incremental Tensor Subspace Learning and Its Applications to Foreground Segmentation and Tracking" , *International Journal of Computer Vision* , 91(3): 303-327, 2011.
47. **Xiaoqin Zhang**, Weiming Hu, Wei Qu, Steve Maybank, "Multiple Object Tracking via Species-Based Particle

- Swarm Optimization" , *IEEE Transactions on Circuits and Systems for Video Technology*, 20(11): 1590-1602, 2010.
48. Zhihui Li, Lina Yao, **Xiaoqin Zhang**, Xianzhi Wang, Salil Kanhere, and Huaxiang Zhang, "Zero-Shot Object Detection with Textual Descriptions" , *AAAI Conference on Artificial Intelligence (AAAI)*, 2019.
49. Mingyu Fan, Xiaojun Chang, **Xiaoqin Zhang***, Di Wang, Liang Du, "Top-k Supervise Feature Selection via ADMM for Integer Programming" , *International Joint Conference on Artificial Intelligence (IJCAI)*, 2017.
50. Di Wang, **Xiaoqin Zhang***, Mingyu Fan, Xiuzi Ye, "Semi-Supervised Dictionary Learning via Structural Sparse Preserving" , *AAAI Conference on Artificial Intelligence (AAAI)*, pp. 2137-2144, 2016.
51. Lin Ma, **Xiaoqin Zhang**, Weiming Hu, Junliang Xing, Jiwen Lu and Jie Zhou, "Local Subspace Collaborative Tracking" , *International Conference on Computer Vision (ICCV)*, pp. 4301-4309, 2015.
52. **Xiaoqin Zhang**, Wei Li, Mingyu Fan, Di Wang, Xiuzi Ye, "Multi-Modality Tracker Aggregation: from Generative to Discriminative" , *International Joint Conference on*

Artificial Intelligence (IJCAI), 2015.

53. Di Wang, **Xiaoqin Zhang***, Mingyu Fan, Xiuzi Ye, "An Efficient Classifier Based on Hierarchical Mixing Linear Support Vector Machines" , *International Joint Conference on Artificial Intelligence (IJCAI)*, 2015.

54. **Xiaoqin Zhang**, Zhengyuan Zhou, Di Wang, Yi Ma, "Hybrid Singular Value Thresholding for Tensor Completion" , *AAAI Conference on Artificial Intelligence (AAAI)*, 2014.

55. **Xiaoqin Zhang**, Di Wang, Zhengyuan Zhou, Yi Ma, "Simultaneous Rectification and Alignment via Robust Recovery of Low-rank Tensors" , *Advances in Neural Information Processing Systems (NIPS)*, 2013.

56. Nianhua Xie, Haibing Lin, Weiming Hu, **Xiaoqin Zhang**, "Use Bin-Ratio Information for Category and Scene Classification" , *International Conference on Computer Vision and Pattern Recognition (CVPR)*, 2010

57. **Xiaoqin Zhang**, Changcheng Li, Xiaofeng Tong, Weiming Hu, Steve Maybank, Yimin Zhang, "Efficient Human Pose Estimation via Parsing a Tree Structure Based Human Model" , *International Conference on*

Computer Vision(ICCV) , 2009.

58.**Xiaoqin Zhang**, Weiming Hu, Steve Maybank, Li Xi,
“Sequential Particle Swarm Optimization for Visual
Tracking” , *International Conference on Computer
Vision and Pattern Recognition (CVPR)*, 2008.

59.Xi Li, Weiming Hu, Zhongfei Zhang, **Xiaoqin Zhang**,
Mingliang Zhu, Jian Chen, “Visual Tracking via
Incremental Log-Euclidean Riemannian Subspace
Learning” , *International Conference on Computer
Vision and Pattern Recognition (CVPR)*, 2008.

60.**Xiaoqing Zhang**, Weiming Hu, Steve Maybank, and Xi Li,
“Graph based discriminative learning for robust and
efficient object tracking” , *IEEE International
Conference on Computer Vision (ICCV)*, 2007.

61.Xi Li, Weiming Hu, Zhongfei Zhang, **Xiaoqin Zhang**, and
Guan Luo, “Robust Visual Tracking Based on
Incremental Tensor Subspace Learning” , *IEEE
International Conference on Computer Vision (ICCV)*,
2007.

六、论文、课题、专利、教学成果等

➤ 课题

1. 国家自然科学基金民航联合基金重点项目，机场复杂场景下运动目标的

- 检测、跟踪与分类研究，主持
2. 国家优秀青年科学基金项目，视频目标跟踪，主持
 3. 国家自然科学基金面上项目，基于多特征联合稀疏表示和低秩张量恢复的视觉跟踪研究，主持
 4. 国家自然科学基金国际合作项目，医学图像的非刚性配准与去噪研究，主持
 5. 国家自然科学基金青年项目，面向低帧率视频的目标跟踪研究，主持
 6. 浙江省杰出青年科学基金项目，基于 L_p 范数-多任务稀疏表示的目标跟踪研究，主持
 7. 德国洪堡基金项目，基于 L_p 范数正则化的压缩感知研究及应用，主持
 8. 浙江省高校高水平创新团队项目，智能电气技术及应用，主持
 9. 浙江省公益技术应用研究计划项目，面向智能交通的基于联合稀疏表示的目标跟踪关键技术研究，主持
 10. 浙江省高等教育教学改革项目，创业教育与信算专业教育深度融合的人才培养模式研究，主持
 11. 温州市重大科技专项，视频监控中人体行为模式分析的关键技术研发及应用，主持
 12. 温州市重点创新团队，视觉信息智能计算与应用创新团队，主持

➤ **授权专利**

1. 胡卫明, 王燕国, 张笑钦, 基于在线提升算法的网络入侵检测方法, 专利号: 200710304223.7, 申请日期: 2007.12.26, 授权日期: 2011.04.13。
2. 张笑钦, 赵丽, 高利新, 一种基于形状语义的非参数轮廓跟踪评价方法, 专利号: 201110144012.8, 申请日期: 2011.05.31, 授权日期: 2013.01.02。
3. 张笑钦, 融合目标空间分布和时序分布特征子空间的视觉跟踪方法, 专利号: 201110425493.X, 申请日期: 2011.12.16, 授权日期: 2013.12.18。
4. 王迪, 张笑钦, 叶修梓, 具有层次结构的混合线性 SVM 分类器的模式识别方法, 专利号: 201210039903.1, 申请日期: 2012.02.21, 授权日期: 2014.12.17。
5. 张笑钦, 王迪, 樊明宇, 叶修梓, 一种基于支持向量几何意义的增量学习方法, 专利号: 201310585817.5, 申请日期: 2013.11.20, 授权日期: 2016.08.17。
6. 张笑钦, 王迪, 一种基于指数化核范数与混合奇异值截断的张量恢复方法, 专利号: 201410321348.0, 申请日期: 2014.07.07, 授权日期: 2016.09.07。
7. 张笑钦, 樊明宇, 吕孙忠, 赵丽, 蒋红星, 一种基于数据流形分布的非线性图像特征选择方法, 201310224626.6, 申请日期: 2013.06.06, 授权日期: 2016.09.28。
8. 张笑钦, 刘飞, 王迪, 叶修梓, 蒋红星, 一种基于关键帧的在

- 线学习的离线视频跟踪方法，专利号：201510010227.9，申请日期：2015.01.09，授权日期：2017.05.08。
9. 张笑钦，瞿福强，叶修梓，汪鹏君，一种基于后验模板字典学习的目标跟踪方法，专利号：201510402278.6，申请日期：2015.07.08，授权日期：2017.12.29。
 10. 张笑钦，刘飞，樊明宇，王迪，叶修梓，一种基于排序融合学习的目标跟踪方法，专利号：201510270176.3，申请日期：2015.05.23，授权日期：2018.05.18。
 11. 张笑钦，胡杰，叶修梓，基于标准化驾驶行为和相空间重构的驾驶风格定量评价，专利号：201610944269.4，申请日期：2016.11.02，授权日期：2019.01.04
 12. 张笑钦，吴瑞平，蒋红星，叶修梓，基于非局部相似图像块内部和块间隐性低秩结构的去噪方法，专利号：201610256796.6，申请日期：2016.04.22，授权日期：2019.02.05
 13. 张笑钦，吴瑞平，王迪，樊明宇，叶修梓，一种高斯-脉冲混合图像噪声去除方法，专利号：201710005045.1，申请日期：2017.01.04，授权日期：2019.09.03
 14. 张笑钦，唐贵英，赵丽，基于雾层平滑先验的单张图片去雾方法，专利号：201811568768.3，申请日期：2018.12.21，授权日期：2020.08.11
 15. 胡学友，赵一，张圆，蔡佳蕙，沈浩，张笑钦，钱乐旦，一种三维虚拟场景下的导航路径最优选择的方法，专利号：

201910005575.5 , 申请日期 : 2019.01.03 , 授权日期 :
2020.08.18

16.张笑钦,许佳炜,赵丽,一种基于视觉注意力的安全驾驶方法,
专利号:202010081885.8,申请日期:2020.02.06,授权日
期:2021.02.05

➤ 教学成果

1. 高利新、何明昌、张笑钦、范劲松、全力,基于"三课堂联动"
的信息与计算科学专业创新创业人才培养的研究与实践,温州
大学教学成果一等奖,2016

七、学术任职

1. 国际学术期刊神经计算 (Neurocomputing), 编委
(Associate Editor , 2011-2016
2. 中国计算机协会青年科技论坛(YOCSEF)杭州分会委员
3. 中国图形图像学会视觉大数据专委会委员
4. 国际人工智能会议 (AAAI20) , 程序委员
(Program Committee)
5. 国际神经信息处理系统会议 (NIPS16) , 程序委员
(Program Committee)
6. 欧洲计算机视觉会议 (ECCV14、16、20) , 程序委员
(Program Committee)
7. 国际计算机视觉与模式识别会议 (CVPR14-20) , 程序委员
(Program Committee)

8. 国际机器学习会议 (ICML13) , 程序委员
(Program Committee)
9. 国际计算机视觉会议 (ICCV13-17) , 程序委员
(Program Committee)
10. 国际计算智能会议 (ICACI12) , 程序委员
(Program Committee)
11. 亚洲计算机视觉会议 (ACCV12-16) , 程序委员
(Program Committee)

七、研究生培养情况

- 联合培养博士生：钱乐旦、郑晶晶
- 已毕业硕士生：刘飞、吴瑞平、钱胡茜、厉良召、范黎杨、刘倩倩、严玉芳