硕士研究生导师简介表

<table>
<tr><td>导师姓名</td><td colspan="3">张 键</td><td rowspan="4">  </td></tr>
<tr><td>性 别</td><td colspan="3">男</td></tr>
<tr><td>出生年月</td><td colspan="3">1978.10</td></tr>
<tr><td>职务/职称</td><td colspan="3">系主任/党支部书记/副教授</td></tr>
<tr><td>学历、学位</td><td colspan="4">博士研究生、工学博士</td></tr>
<tr><td>所在系（部门）</td><td>计算机科学与技术系</td><td>电子邮箱</td><td colspan="2">zhangjian@jou.edu.cn</td></tr>
<tr><td>主要研究方向</td><td colspan="4">1.模式识别与智能系统；
2.机器学习；
3.人工智能及其应用；
4.数据挖掘与大数据分析。</td></tr>
<tr><td>主要科研工作与成绩</td><td colspan="4">张键，中共党员，2015年获得南京理工大学工学博士，目前为江苏海洋大学副教授，硕士生导师，计算机科学与技术系主任/党支部书记。2017年入选连云港市“521”人才工程培养对象，2018年获连云港市“海燕计划”资助，2020年入选江苏省“双创人才”，江苏省人工智能学会模式识别专委会常务委员，2016-2017年香港理工大学访问研究员，长期担任IEEE TNNLS、Pattern Recognition等10余个知名国际期刊的审稿人，获江苏省高校科学研究成果奖、连云港市自然科学优秀学术成果奖。
目前主要从事图像处理、模式识别与机器学习、计算机视觉、大数据分析等方面的研究，在基于视觉的自动检测领域有着丰富的项目经验，取得一系列的研究成果，发表研究论文40余篇，申请发明专利5项，授权实用新型专利2项，软件著作权30余件；主持/参与包括国家自然科学基金杰出青年基金、国家自然科学基金面上项目和江苏省自然科学基金项目10余项。
近年代表性成果：
[1] Zhang J, et al. Single Image Self-Learning Super-Resolution with Robust Matrix Regression[J]. AATCC Journal of Research, doi:10.14504/ajr.8.S1.17 In publication. 2022. (SCI，中科院四区)
[2] Y. Zhu, H. Zhang, H. Li, J. Zhang and D. Zhang, Optimal Jamming Strategy Against Two-state Switched System, IEEE Communications Letters, doi: 10.1109/LCOMM.2022.3142080. (SCI，中科院三区)
[3] Xu S , Zhang J (通信作者) , Bo L , et al. Singular vector sparse reconstruction for image compression[J]. Computers & Electrical Engineering, 2021, 91(12):107069. (SCI，中科院三区)
[4] Xu, W., Zhang, H., Cao, X., Deng, R., Zhang, J. Securing wireless relaying communication for dual unmanned aerial vehicles with unknown</td></tr>
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	eavesdropper. Information Sciences, 2021, 546, 871-882. **(SCI，中科院一区)** [5] **Zhang J**, Liu W, Bo L, et al. Joint Reflectance Field Estimation and Sparse Representation for Face Image Illumination Preprocessing and Recognition[J]. Neural Processing Letters, 10.1007/s11063-020-10316-6, 2020(7). **(SCI，中科院三区)** [6] **Zhang J**, Zhang H, Bo L L, et al. Subspace transform induced robust similarity measure for facial images[J]. Frontiers of Information Technology & Electronic Engineering, 2020, 21(9):1334-1345. **(SCI，中科院三区)** [7] Li, H., Xu, W., Zhang, H., **Zhang, J**., & Liu, Y. Polynomial regressors based data-driven control for autonomous underwater vehicles. Peer-to-Peer Networking and Applications,2020, 13(5), 1767-1775. **(SCI，中科院四区)** [8] Wenming Jiao, Heng Zhang, Qiyan Zang, Weiwei Xu, Shuaiwei Zhang, **Jian Zhang**, Hongran Li, Concealment of iris features based on artificial noises [J]. ETRI Journal, DOI:10.4218/etrij.2019-0145. **(SCI，中科院四区)** [9] **Jian Zhang**, Heng Zhang, Yanlong Wang, Liling Bo, Jing Sun, Automatic Detection of Minimal Repeated Pattern in Printing Fabric Images, Proceedings of the 16th ACM Conference on Embedded Networked Sensor Systems, 2018.**(CCF-B 会议论文)** [10] Wei, L., Li, J. , Jian, Y. , Wei, X. , & **Jian, Z**. . Convolutional sparse autoencoders for image classification. IEEE Trans Neural Netw Learn Syst, 29(99), 3289-3294. **(SCI，中科院一区)** [11] Li, J. , Zhang, T. , Luo, W. , Yang, J. , Yuan, X. T. , & **Zhang, J**. Sparseness analysis in the pretraining of deep neural networks. IEEE Transactions on Neural Networks & Learning Systems, 2017 Jun;28(6):1425-1438. doi: 10.1109/TNNLS.2016.2541681. **(SCI，中科院一区)** [12] Yu Chen, Jian Yang, Lei Luo, Hengmin Zhang, Jianjun Qian, Ying Tai, **Jian Zhang**, Adaptive noise dictionary construction via IRRPCA for face recognition. Pattern Recognition, 59(2016)26-41. **(SCI，中科院一区)** [13] Heng Zhang, Yifei Qi, Huan Zhou, **Jian Zhang**, Jing Sun, Testing and Defending Methods Against DOS Attack in State Estimation[J]. Asian Journal of Control, Vol. 19, No. 4, pp. 1295–1305, 2016. **(SCI，中科院四区)** [14] Luo, W. , Yang, J. , Xu, W. , Li, J. , & **Zhang, J**.. Higher-level feature combination via multiple kernel learning for image classification. Neurocomputing, 167(nov.1), 209-217. **(SCI，中科院二区)** [15] **Zhang J**, Yang J , Qian J , et al. Nearest orthogonal matrix representation for face recognition[J]. Neurocomputing, 2015, 151(mar.3pt.1):471-480. **(SCI，中科院二区)** [16] **Zhang J**, Yang J. Linear reconstruction measure steered nearest neighbor classification framework[J]. Pattern Recognition, 2014, 47(4):1709-1720. **(SCI，中科院一区)** **[17] Jian, Zhang**, and, et al. Abundant travelling wave solutions for KdV–Sawada–Kotera equation with symbolic computation[J]. Applied Mathematics and Computation, 2008, 203(1):233-237. **(SCI，中科院一区)**
主要社会学术团体兼职	江苏省人工智能学会模式识别专委会常务委员； 江苏省计算机学会会员； 江苏省人工智能学会会员。