

北京信息科技大学硕士研究生导师简介

政治面貌	中共党员	专业技术职务	副教授	行政职务	无	
所属学院	信息管理学院	办公电话	18510208562	个人邮箱	zhaobobai@bistu.edu.cn	
任硕导时间	2022.12.27	任博导时间	无	最后学历/学位	博士研究生	
所属学科	网络空间安全			主要研究方向	智能无线感知, 物联网, 室内定位, 行为识别	
国外工作/学习经历 (含性质、国别、时间段)	无					
个人简历 (从大学开始填起)	自何年月	至何年月	就学或工作单位(填至专业或系部)			
	2011.9	2015.7	兰州大学信息安全专业			
	2015.9	2020.7	中国科学院大学网络空间安全专业			
目前承担科研课题(限填5项, 含项目名称、来源, 排序)	<p>(1) 面向5G的高精度测角辅助工具开发与硬件辅助搭建, 企事业单位委托, 项目负责人</p> <p>(2) 卫星拒止环境下协作定位导航技术研制, 企事业单位委托, 项目负责人</p> <p>(3) 复杂室内空间下无线信号多径效应对定位精度的影响, 北京信息科技大学, 项目负责人</p>					
近五年主要学术成果(限填10项, 包括代表性的论文、专著、专利、科技奖励等, 均标注排序)	<p>[1] Bobai Zhao, Keke Hu, Fuxi Wen, Shulin Cui, Yuan Shen. TDLoc: Passive Localization for MIMO-OFDM System via Tensor Decomposition[J]. IEEE Internet of Things Journal, 2023, 10(23):20819-20833.</p> <p>[2] Keke Hu, Wenxuan Li, Qianxi Lu, Cong Shi, BoBai Zhao, Yuan Shen. SRS-based Wideband AoA Estimation Method in 5G New Radio. 2023 IEEE/CIC International Conference on Communications in China (ICCC), Dalian, China, 2023, pp. 1-5, doi: 10.1109/ICCC57788.2023.10233433.</p> <p>[3] Yi Liu, Weiqing Huang, Shang Jiang, Bobai Zhao, Shuai Wang, Siye Wang, Yanfang Zhang. TransTM: A device-free method based on time-streaming multiscale transformer for human activity recognition[J]. Defence Technology, 2024, 32:619-628. https://doi.org/10.1016/j.dt.2023.02.021.</p> <p>[4] Bobai Zhao, Keke Hu, Yubing Gong, Yuan Shen. A Tensor-Based Joint AoA and ToF Estimation Method for Wi-Fi Systems[J]. IEEE Wireless Communications Letters, 2021, 10(11):2543-2546.</p> <p>[5] Bobai Zhao, Qinglong Li, Qian Lv, Xiameng Si. A Spectrum Adaptive Segmentation Empirical Wavelet Transform for Noisy and Nonstationary Signal Processing[J]. IEEE Access, 2021, vol.9: 106375-106386, doi: 10.1109/ACCESS.2021.3099500.</p> <p>[6] Jianguo Jiang, Shang Jiang, Bobai Zhao, Siye Wang, Mengnan Cai, Yanfang Zhang. 2020. CS-Dict: Accurate Indoor Localization with CSI Selective Amplitude and Phase Based Regularized Dictionary</p>					

	<p>Learning. In Algorithms and Architectures for Parallel Processing: 20th International Conference, ICA3PP 2020, New York City, NY, USA, October 2–4, 2020, Proceedings, Part II. Springer-Verlag, Berlin, Heidelberg, 677–689. https://doi.org/10.1007/978-3-030-60239-0_46.</p> <p>[7] Bobai Zhao, Dali Zhu, Tong Xi, Siye Wang, and Di Wu. 2020. Indoor localization based on subcarrier parameter estimation of LoS with wi-fi. In Proceedings of the 16th EAI International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous '19). Association for Computing Machinery, New York, NY, USA, 80–89. https://doi.org/10.1145/3360774.3360785</p> <p>[8] Bobai Zhao , Dali Zhu , Tong Xi , Shang Jiang, Siye Wang. Convolutional Neural Network and Dual-factor Enhanced Variational Bayes Adaptive Kalman Filter based Indoor localization with Wi-Fi[J]. Computer Networks, 2019, 162:106864.</p> <p>[9] Dali Zhu, Bobai Zhao, Siye Wang, and Di Wu. 2018. Direct-path based fingerprint extraction algorithm for indoor localization. In Proceedings of the 15th EAI International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous '18). Association for Computing Machinery, New York, NY, USA, 11–18. https://doi.org/10.1145/3286978.3286993</p> <p>[10] Dali Zhu, Bobai Zhao, Siye Wang. Mobile target indoor tracking based on Multi-Direction Weight Position Kalman Filter[J]. Computer. Networks, 2018, 141: 115-127.</p>
其他主要研究领域	<p>赵博白自 2015 年 9 月起在中国科学院信息工程研究所硕博连读，就读于第四研究室（现第七研究室），2020 年 7 月博士毕业后入职北京信息科技大学信息安全系任副教授，同年加入清华大学电子系沈渊教授领导的智能协同系统实验室，与清华大学展开深度合作。经过多年的科研经历，在信号处理、矩阵论等方面累积了丰富知识，在智能无线感知、室内定位、行为识别等领域具有很好的研究基础。</p>