

梅骁峻

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教育经历

- 2018.09 – 至今
上海海事大学 (硕博连续—博士)
专业: 交通信息工程及控制
导师: 吴华锋 (教授/博士)
- 2019.09 – 2020.09
里斯本大学 (联合培养博士)
专业: 控制科学
导师: Antonio M. Pascoal (副教授/博士)
- 2016.09 – 2018.07
上海海事大学 (硕博连读—硕士)
专业: 载运工具运用工程
导师: 吴华锋 (教授/博士)
- 2012.09 – 2016.07
上海海事大学 (本科)
专业: 航海技术
- 2015.02 – 2015.06
木浦海事大学 (交换生)
专业: 航海技术

研究方向

- 无线传感网/水下无线传感网的定位关键技术
- 水下自主航行器/水面自主航行器的路径规划
- 目标定位
- 估计与优化

已发表论文

1. **X. Mei**, H. Wu, and J. Xian, “Matrix Factorization based Target Localization via Range Measurements with Uncertainty in Transmit Power,” *IEEE Wirel. Commun. Lett.*, vol. 9, no. 10, p.1611-1615, 2020. (SCI, Q1, 中科院二区)
2. **X. Mei**, H. Wu, J. Xian, and B. Chen, “RSS-based Byzantine Fault-tolerant Localization Algorithm under NLOS Environment,” *IEEE Commun. Lett.*, pp. 1–1, 2020. (SCI, Q2, 中科院三区)

3. **X. Mei**, H. Wu, N. Saeed, T. Ma, J. Xian, and Y. Chen, “An Absorption Mitigation Technique for Received-Signal-Strength-Based Target localization in Underwater Wireless Sensor Networks”, *Sensors*, vol. 20, no. 17, p. 4698, 2020. (SCI, Q1, 中科院三区)
4. **X. Mei**, H. Wu, J. Xian, B. Chen, H. Zhang, and X. Liu, “A Robust, Non-Cooperative Localization Algorithm in the Presence of Outlier Measurements in Ocean Sensor Networks,” *Sensors*, vol. 19, no. 12, p. 2708, 2019. (SCI, Q1, 中科院三区)
5. H. Wu, **X. Mei**, X. Chen, J. Li, J. Wang, and P. Mohapatra, “A novel cooperative localization algorithm using enhanced particle filter technique in maritime search and rescue wireless sensor network.,” *Isa Trans.*, vol 78, p.39-46, 2018. (SCI, Q1, 中科院二区)
6. 梅骁峻, 吴华锋, 陈彦臻, 蒋恩青, “基于改进自适应粒子滤波的无线传感网船舶追踪,” *上海海事大学学报*, vol. 39, no. 2, pp. 12–16, 2018. (北大核心)
7. J. Xian, H. Wu, **X. Mei**, Y. Zhang, H. Chen, and J. Wang, “NMTLAT: A New robust mobile Multi-Target Localization and Tracking Scheme in marine search and rescue wireless sensor networks under Byzantine attack,” *Comput. Commun.*, vol. 160, pp. 623–635, 2020. (SCI, Q2, 中科院三区)
8. Y. Chen, Y. Hu, S. Zhang, **X. Mei**, and Q. Shi, “Optimized Erosion Prediction with MAGA Algorithm Based on BP Neural Network for Submerged Low-Pressure Water Jet,” *Appl. Sci.*, vol. 10, no. 8, p. 2926, Apr. 2020. (SCI, Q2, 中科院三区)
9. H. Wu, J. Xian, **X. Mei**, Y. Zhang, J. Wang, J. Cao, and P. Mohapatra, “Efficient target detection in maritime search and rescue wireless sensor network using data fusion,” *Comput. Commun.*, vol. 136, pp. 53–62, 2019. (SCI, Q2, 中科院三区)
10. H. Wu, Q. Meng, J. Xian, **X. Mei**, C. Claramunt, and J. Cao, “An Information Entropy Based Event Boundary Detection Algorithm in Wireless Sensor Networks,” *Symmetry (Basel)*, vol. 11, no. 4, p. 537, Apr. 2019. (SCI, Q2, 中科院四区)
11. 张媛媛, 吴华锋, 鲜江峰, 梅骁峻, “双重约束下的海洋无线传感网自适应成簇算法,” *计算机工程与应用*, vol. 19, no. 55, pp. 128–133, 2019. (CSCD)
12. 梅骁峻, 吴华锋, 鲜江峰, 张浩, 张媛媛, “测距异常情况下的水下传感网鲁棒性定位,” *中国声学学会水声学分会2019年学术会议论文集*, 南京, 中国, 2019

待发表论文

1. **X. Mei**, A. Pascoal, H. Wu, and J. Xian, “Optimal Trajectories of Autonomous Surface Vehicles for Target Localization using Received-Signal-Strength under Outlier Measurements”, (待投)
2. **X. Mei**, H. Wu, and J. Xian, “Block principal pivoting-based target localization with unknown transmit power”, (待投)
3. **X. Mei**, H. Wu, and J. Xian, “Information-driven Optimal Sensors Placement for Localization in Ocean Sensor Networks”, (待投)

专利

- 吴华锋, 梅晓峻, “一种海上搜救无线传感网协同定位方法”, ZL 201710891573.1.

荣誉与奖励

- 2020 博士研究生国家奖学金
教育部
- 2020 优秀成果奖
论文: A Robust, Non-Cooperative Localization Algorithm in the Presence of Outlier Measurements in Ocean Sensor Networks.”
- 2019 国家留学基金
国家留学基金委 (CSC).
- 2019 研究生一等奖学金
上海海事大学研究生院
- 2018 研究生特等奖学金
上海海事大学研究生院
- 2018 上海市优秀毕业生
上海市教育委员会
- 2018 优秀成果奖
论文: A novel cooperative localization algorithm using enhanced particle filter technique in maritime search and rescue wireless sensor network.
- 2017 硕士研究生国家奖学金
教育部
- 2017 优秀学生
上海海事大学
- 2017 特等奖学金
上海海事大学研究生院
- 2016 特等奖学金
上海海事大学研究生院
- 2016 上海市优秀毕业生
上海市教育委员会

学术兼职

- 期刊 *Frontiers in Communications and Networks* 编委 (评审编辑)
- SCI 期刊 *ISA Transactions* 审稿人

- SCI 期刊 **IEEE Communications Letters** 审稿人
- SCI 期刊 **International Journal of Control, Automation and Systems** 审稿人
- IEEE 会员

项目

主持

- 无线传感网在水上交通的运用, 201908310079 (国家留学基金委资助)
- 存在多重不确定性的海洋无线传感网节点定位研究, 2019YBR002 (上海海事大学资助)
- 基于改进粒子滤波的海洋监测无线传感网协同定位研究, (上海海事大学资助)

参与

- 基于动态自适应成簇的海洋传感网智能数据预测与重构, 52071200 (国家自然科学基金面上项目)
- 基于海浪遮蔽效应模型的海洋传感网三维动态协同定位机制, 51579143 (国家自然科学基金面上项目)
- 基于浮标物联网的沿海气象监测预警系统及其船舶助航应用, 18040501700 (上海市科委重点项目)
- 基于无线传感网的海上搜救目标定位关键技术研究, 12SG40 (上海市教委/上海市教育发展基金会 曙光计划)