梅骁峻

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教育经历

- 2018.09 – 2021.10 上海海事大学 (硕博连续-博士)
  专业：交通信息工程及控制
- 2019.09 – 2020.09 里斯本大学 （联合培养博士-国家留学基金委资助）
  专业：控制科学
- 2016.09 – 2018.07 上海海事大学（硕博连读-硕士，保研）
  专业：载运工具运用工程
- 2012.09 – 2016.07 上海海事大学 （本科，3/331）
  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

工作经历

- 2021.11 – 至今 博士后，上海海事大学

研究方向

- 智能船舶与海洋监测传感网
- 海上通信与目标定位及导航

已发表/录用论文

1. **X. Mei**, D. Han, N. Saeed, H. Wu, T. Ma, and J. Xian, “Range Difference-based Target Localization under Stratification Effect and NLOS bias in UWSNs”, *IEEE Wireless*

Communications Letters, 2022, accepted, doi: 10.1109/LWC.2022.3193579.（SCI，JCR Q1，中科院二区，IF：5.281）

2. **X. Mei**, Y. Chen, X. Xu, and H. Wu, "RSS Localization using Multi-step Linearization in the presence of Unknown Path Loss Exponent" *IEEE Sensors Letters*, vol.6, no.8, p.1-4, 2022.（ESCI, EI）

3. **梅骁峻**, 吴华锋, 鲜江峰, 马腾, "信息驱动的海洋传感网目标定位的最优部署策略," *华中科技大学学报（自然科学版）*, vol. 49, no. 11, pp. 23-29, 2021.（EI，CSCD，中国科技期刊卓越行动计划—梯队期刊）

4. **X. Mei**, H. Wu, J. Xian, and B. Chen, "RSS-based Byzantine Fault-tolerant Localization Algorithm under NLOS Environment," *IEEE Communications Letters*, vol.25, no.2, p.474-478, 2021.（SCI，JCR Q2，中科院三区，IF：3.553）

5. **X. Mei**, H. Wu, and J. Xian, "Matrix Factorization based Target Localization via Range Measurements with Uncertainty in Transmit Power," *IEEE Wireless Communications Letters*, vol. 9, no. 10, p.1611-1615, 2020.（SCI，JCR Q1，中科院二区，IF：5.281）

6. **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，JCR Q2，中科院三区，IF：3.847）

7. **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，JCR Q2，中科院三区，IF：3.847）

8. 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 Transactions*, vol 78, p.39-46, 2018.（SCI，JCR Q1，中科院一区TOP，IF：5.911）

9. **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）

10. T. Ma, W. Zhang, Y. Li, Y. Zhao, Q. Zhang, **X. Mei,** and J. Fan, "Communication-constrained cooperative bathymetric simultaneous localisation and mapping with efficient bathymetric data transmission method", Journal of Navigation, 1-17, 2022. Doi:10.1017/S0373463321000904.（SCI，JCR Q2，中科院三区，IF：2.647）

11. Y. Zhang, H. Wu, **X. Mei**, W. Wang, Q. Zhang, and L. Liang, "Unknown Transmit Power RSSD-based Localization under Gaussian Mixture Channel", *IEEE Sensors Journal*, vol. 22 , no.9, pp.9114-9123, 2022（SCI, JCR Q1, 中科院二区, IF：4.325）

12. H. Wu, L. Liang, **X. Mei,** and Y. Zhang, "A Convex Optimization Approach for NLOS Error Mitigation in TOA-based Localization", *IEEE Signal Processing Letters*, vol. 29 pp.677-681, 2022（SCI，JCR Q2，中科院二区，IF：3.201）

13. Y. Zhang, H. Wu, **X.Mei**, J. Xian, W. Wang, Q. Zhang, and L. Liang, "Two-Phase Robust Target Localization in Ocean Sensor Networks using Received Signal Strength

Measurements," *Sensors*, vol. 21, no.5, p.1724, 2021.（SCI，JCR Q1，中科院三区，IF：3.847）

14. 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," *Computer Communications*, vol. 160, pp. 623–635, 2020.（SCI，JCR Q1，中科院三区，IF：5.047）
15. 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," *Applied Sciences*, vol. 10, no. 8, p. 2926, Apr. 2020.（SCI，JCR Q3，中科院三区，IF：2.838）
16. 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," *Computer Communications*, vol. 136, pp. 53–62, 2019.（SCI，JCR Q1，中科院三区，IF：5.047）
17. 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，JCR Q2，中科院四区，IF：2.940）
18. 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）
19. 程帅, 吴华锋, **梅骁峻**, "交替非负约束框架的海洋传感网协同定位," *计算机工程与应用*, vol. 57, no. 23, pp. 129–136, 2021.（CSCD）
20. **X. Mei**, H. Wu, Y. Chen, H. Zhang, and Q. Zhang, "A Lightweight Computation Target Localization Algorithm using Information Fusion in WSNs-based Marine Search and Rescue," *Asia Navigation Conference, Tianjin, China, 2021*
21. **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**, D. Han, Y. Chen, H. Wu, and T. Ma, "Target Localization using Information Fusion in WSNs-based Marine Search and Rescue", (一审，Alexandria Engineering Journal)
2. **X. Mei**, D. Han, N. Saeed, H. Wu, C. Chang, B. Han, T. Ma, and, J, Xian, "Trajectory Optimization of Autonomous Surface Vehicles with Outliers for Underwater Target Localization", (一审，Remote Sensing)
3. **X. Mei**, D. Han, H. Wu, and J. Xian, "Block Principal Pivoting-based Target Localization with Unknown Transmit Power", (待投)
4. **X. Mei**, D. Han, H. Wu, and J. Xian, "A Coarse-to-Fine Localization Technique in Wireless Sensor Networks", (待投)
5. **X. Mei**, D. Han, H. Wu, et al, "Target Localization using Differential Received Signal Strength in Uncertain Environmental Parameter", (待投)

6. **X. Mei**, D. Han, H. Wu, et al, "A Robust Localization Method in the presence of Uncertain Path Loss Exponent in Underwater Wireless Sensor Networks", (待投)

专利

1. 吴华锋, **梅骁峻**, "一种海上搜救无线传感网协同定位方法", ZL 201710891573.1（国家发明专利，授权）
2. **梅骁峻**, 韩德志, 吴中岱, 王骏翔, 郭磊, 胡蓉, 韩冰, 徐一言, 杨珉, 朱宇, "一种信息融合的海上搜救无线传感网定位方法", ZL 2022105369680（国家发明专利，实质审查）
3. 吴华锋, 鲜江峰, **梅骁峻**, 陈信强, 张媛媛, 张倩楠, 梁立年, "一种海上无线传感网的机会主义路由协议", ZL 2021110200860（国家发明专利，实质审查）
4. 陈信强, 吉文博, 杨勇生, 吴华锋, 于泽崴, 张倩楠, 傅俊杰, 鲜江峰, 赵建森, **梅骁峻**, "基于Canny算子和高斯形态学的船舶检测方法", ZL 2018109679270（国家发明专利，实质审查）

荣誉与奖励

- 2021 **优秀成果奖**
  论文：Matrix Factorization based Target Localization via Range Measurements with Uncertainty in Transmit Power.
- 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）**
- **ISA Transactions (SCI) 审稿人**
- **IEEE Communications Letters (SCI) 审稿人**
- **IEEE Transactions on Signal and Information Processing over Networks (SCI) 审稿人**
- **IEEE Wireless Communications Letters (SCI) 审稿人**
- **IEEE Access (SCI) 审稿人**
- **International Journal of Control, Automation and Systems (SCI) 审稿人**
- **Electronic Letters (SCI) 审稿人**
- **Remote Sensing (SCI) 审稿人**
- **Sensors (SCI) 审稿人**
- **Journal of Marine Science and Engineering (SCI) 审稿人**
- **Journal of Computational Methods in Sciences and Engineering (EI) 审稿人**
- **中国航海 (CSCD) 审稿人**
- **IEEE 会员**

项目

负责人

- 基于量子耦合优化框架的水下传感网目标定位与追踪研究, 2022M712027 (**中国博士后基金面上项目**)
- 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 (**上海海事大学拔尖人才培养项目**)
- 基于改进粒子滤波的海洋监测无线传感网协同定位研究, 2017ycx030（**上海海事大学创新基金项目**）

参与

- 北极航道通信导航保障关键技术研究与系统研发, 2021YFC2801002 (**国家重点研发计划子课题**)
- 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**)