CURRICULUM VITAE

Guangyang Zeng

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EDUCATION

- **Ph.D.**, (Sep. 2017 – Jun. 2022)
  College of Control Science and Engineering, Zhejiang University, Hangzhou, P.R.China
  Advisor: Prof. Peng Cheng.
  Co-advisor: Prof. Jiming Chen, Prof. Junfeng Wu.
  Thesis: Distributed Detection and Accurate Localization in Sensor Networks
- **B.Eng.**, (Sep. 2013 – Jun. 2017)
  College of Control Science and Engineering, Zhejiang University, Hangzhou, P.R.China
  Outstanding Graduate

WORK EXPERIENCE

- **Postdoctoral Researcher**, (Aug. 2022 – present)
  School of Data Science, The Chinese University of Hong Kong, Shenzhen, Shenzhen, P.R.China
  Advisor: Prof. Haizhou Li, Prof. Jiahu Qin, Prof. Junfeng Wu.

RESEARCH INTERESTS

Statistical inference; State estimation; Wireless sensor networks.

AWARDS AND HONORS

- Third Prize of the 16th "Challenge Cup" Extracurricular Academic and Technological Works Competition of College Students in Zhejiang Province, Zhejiang Province, China 2019
- Outstanding Graduate, Zhejiang University, China 2017
- Second Prize of Mathematical Modeling Competition of Zhejiang University, Zhejiang University, China 2016
- Third-class Scholarship for Outstanding Students, Zhejiang University, China 2014, 2015
- First Prize of Physics Innovation Competition for College Students in Zhejiang Province, Zhejiang Province, China 2014

PROJECTS

- Cross-Media Intelligent Monitoring for "Low-Slow-Small" Aircraft, The Fundamental Research Funds for the Central Universities, No. 2018FZA5008, Jan. 2018–Dec. 2018 (participant).
- Small UAV Intrusion Detection Based on Swarm Intelligence Perception, National Natural Science Foundation of China, No. 61772467, Jan. 2018–Dec. 2021 (participant).

PAPERS

[1] **Guangyang Zeng**, Junfeng Wu, Xiufang Shi, and Zhiguo Shi, "A Novel Decision Fusion Scheme with Feedback in Neyman-Pearson Detection Systems", ***The 56th Annual Allerton Conference on Communication, Control, and Computing***, Urbana-Champaign, USA, Oct. 2018, pp. 647–653.

[2] **Guangyang Zeng**, Xiaoqiang Ren, and Junfeng Wu, "Low-complexity Distributed Detection with One-bit Memory Under Neyman-Pearson Criterion", ***IEEE Transactions on Control of Network Systems***, vol. 9, no. 1, pp. 2–13, Mar. 2022.

[3] **Guangyang Zeng**, Biqiang Mu, Jieqiang Wei, Wing Shing Wong, and Junfeng Wu, "Localizability with Range-Difference Measurements: Numerical Computation and Error Bound Analysis", ***IEEE/ACM Transactions on Networking***, vol. 30, no. 5, pp. 2117–2130, Apr. 2022.

[4] **Guangyang Zeng**, Biqiang Mu, Jiming Chen, Zhiguo Shi, and Junfeng Wu, "Global and Asymptotically Efficient Localization from Range Measurements", ***IEEE Transactions on Signal Processing***, vol. 70, pp. 5041–5057, Aug. 2022.

[5] **Guangyang Zeng**, Shiyu Chen, Biqiang Mu, Guodong Shi, and Junfeng Wu, "CPnP: Consistent Pose Estimator for Perspective-n-Point Problem with Bias Elimination", submitted to ***IEEE ICRA 2023***, arXiv:2209.05824.

PATENTS

[1] Junfeng Wu, Jiming Chen, Jieqiang Wei, and **Guangyang Zeng**, "Localizing a Target Device Based on Measurements from a Measurement Device Array", US patent, patent number: 11353541.

PROFESSIONAL ACTIVITIES

- IEEE Transactions on Industrial Informatics (Reviewer)
- IEEE Transactions on Wireless Communications (Reviewer)
- IEEE International Conference on Robotics and Automation (Reviewer)
- International Journal of Communication Systems (Reviewer)