Baiping Xiong

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Google Scholar IEEE Page

Research Interests

Channel Modeling and Performance Analysis, UAV/V2X/RIS Communications, Wireless Communication and Sensing, deep learning

Education

Southeast University Nanjing, China
Ph.D. in Information and Communication Engineering Sep. 2019 – Dec. 2023 (Expected)
Advisor: Prof. Zaichen Zhang

Southeast University Nanjing, China
B.S. in Information Engineering Aug. 2015 – Jun. 2019
GPA: 3.94/4.0

Awards & Honors

- National Scholarship 2018 and 2022
- "Zheng·Young" Graduate Student of the Year in SEU 2022
- 3rd place of the Best Paper Award at WCSP2021 2021
- Outstanding Volunteer Award 2019 and 2021
- Outstanding Undergraduate Award in SEU 2019
- Excellent Undergraduate Thesis Award in SEU 2019

Publications

[6] Baiping Xiong, Zaichen Zhang, and Hao Jiang, "Reconfigurable intelligent surface for mmWave mobile communications: What if LoS path exist?" ***IEEE Wireless Commun. Lett.***, Feb. 2023. [Link]

[5] Baiping Xiong, Zaichen Zhang, Hao Jiang, Jiangfan Zhang, Liang Wu, and Jian Dang, "A 3D non-stationary MIMO channel model for reconfigurable intelligent surface auxiliary UAV-to-ground mmWave communications," ***IEEE Trans. Wireless Commun.***, Jul. 2022. [Link]

[4] Baiping Xiong, Zaichen Zhang, Hao Jiang, Hongming Zhang, Jiangfan Zhang, Liang Wu, and Jian Dang, "A statistical MIMO channel model for reconfigurable intelligent surface assisted wireless communications," ***IEEE Trans. Commun.***, Feb. 2022. [Link]

[3] Hao Jiang, Zaichen Zhang, **Baiping Xiong**, Jian Dang, Liang Wu, and Jie Zhou, "A 3D stochastic channel model for 6G wireless double-IRS cooperatively assisted MIMO communications," in ***Proc. IEEE WCSP***, Oct. 2021. [Link]

[2] Hao Jiang, **Baiping Xiong**, Zaichen Zhang, Jiangfan Zhang, Hongming Zhang, Jian Dang, and Liang Wu "Novel statistical wideband MIMO V2V channel modeling using unitary matrix transformation algorithm," ***IEEE Trans. Wireless Commun.***, Aug. 2021. [Link]

[1] Baiping Xiong, Zaichen Zhang, Jiangfan Zhang, Hao Jiang, J. Dang, and Liang Wu, "Novel multi-mobility V2X channel model in the presence of randomly moving clusters," ***IEEE Trans. Wireless Commun.***, May 2021. [Link]

Presentations

- *A 3D Stochastic Channel Model for 6G Wireless Double-IRS Cooperatively Assisted MIMO Communications* in WCSP2021 2021

Academic Activities

Session Chair

- UAV Communications Symposium in IEEE WCSP2022 2022

TPC Member

- UAV Communications Symposium & Integrated Sensing, Communication, and Computing Symposium in IEEE WCSP2022 2022

Reviewer

- IEEE Transactions on Cognitive Communications 2023
- IEEE Transactions on Wireless Communications 2022-2023
- IEEE Transactions on Communications 2022-2023
- Wireless Communications and Mobile Computing 2022
- IEEE GlobeCom 2022, VTC-Spring/Fall 2022, WCSP 2021-2022, ICCC 2022