

Heng Liu

School of Electronic and Information Engineering
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1 Basic Information

1.1 Academic Education

- **Master in Communication and Information Systems, Beijing Jiaotong University, China** 2019-now
Supervisor: Prof. Jiayi Zhang
Lab: Modern Communications Laboratory
- **Bachelor in Communication Engineering, Beijing Jiaotong University, China** 2015-2019
Thesis: Statistical Machine Learning Based on Bayesian Modeling and Its Application
Supervisor: Prof. Wei Chen

1.2 Research Interests

Massive MIMO/cell-free massive MIMO, massive access, large intelligent surface, and performance analysis.

2 Scientific Activities

2.1 Reviewer

- IEEE Transactions on Vehicular Technology
- IEEE Open Journal of Vehicular Technology
- IEEE Communications Letters
- IEEE ACCESS

3 Publications

1. **Heng Liu**, Jiayi Zhang, Shi Jin, and Bo Ai, Graph Coloring Based Pilot Assignment for Cell-Free Massive MIMO Systems, **IEEE Transactions on Vehicular Technology**, to appear, 2020.
2. **Heng Liu**, Jiayi Zhang, Xiaodan Zhang, Adit Kurniawan, Tutun Juhana, and Bo Ai, Tabu-Search Based Pilot Assignment for Cell-Free Massive MIMO Systems. **IEEE Transactions on Vehicular Technology**, vol. 69, no. 2, pp. 2286-2290, Feb. 2020. .

4 Honors and Awards

- **Postgraduate First-Class Academic Excellence Scholarship,** 2019.
- **Outstanding Graduates of Beijing,** 2019.
- **Outstanding Students of Beijing Jiaotong University,** 2017,2018.
- **National Encouragement Scholarship \times 3,** 2016-2018.

5 Skills

- **Programming Languages:** Python, MATLAB, LATEX.
- **Standard Tests:** CET-6 (542).