**南京邮电大学导师介绍（国际学生）**

**NJUPT Supervisor Introduction（International Students）**

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| **姓名**  **Name** | **吴伟**  **WU Wei** | **性别**  **Gender** | **Male** |
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| **研究方向**  **Research Direction** | **Semantic communication, B5G/6G communication** | | |
| **主要研究成果**  **Main Research Results** | 1. [Wei Wu](https://arxiv.org/search/cs?searchtype=author&query=Wu%2C+W), [Fuhui Zhou](https://arxiv.org/search/cs?searchtype=author&query=Zhou%2C+F), [Rose Qingyang Hu](https://arxiv.org/search/cs?searchtype=author&query=Hu%2C+R+Q), and [Baoyun Wang](https://arxiv.org/search/cs?searchtype=author&query=Wang%2C+B), “Energy-Efficient Resource Allocation for Secure NOMA-Enabled Mobile Edge Computing Networks,” *IEEE Transactions on Communications*, vol. 68, no. 1, pp. 493-505, Jan. 2020. 2. 吴启晖，吴伟. 无人机辅助边缘计算的能量效率最大化算法设计[J]. 通信学报，2020，41(10): 15-24.   WU Q H, WU W. Algorithm design on energy efficiency maximization for UAV-assisted edge computing[J]. Journal on Communications, 2020, 41(10):15-24.   1. Wei Wu, Xinxin Wang, Fuhui Zhou, Kai-Kit Wong, Chunguo Li, and Baoyun Wang, “Resource Allocation for Enhancing Offloading Security in NOMA-Enabled MEC Networks” *IEEE Systems Journal*, vol. 15, no. 3, pp. 3789-3792, Sept. 2021. 2. Wei Wu, Zi Wang, Lu Yuan, Fuhui Zhou, Fei Lang, Baoyun Wang, and Qihui Wu, “IRS-Enhanced Energy Detection for Spectrum Sensing in Cognitive Radio Networks,” [*IEEE Wireless Communications Letters*](https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=5962382), vol. 10, no. 10, pp. 2254-2258, Oct. 2021. 3. Wei Wu, Fengchun Yang, Fuhui Zhou, Han Hu, Qihui Wu, and Rose Qingyang Hu, “Intelligent Resource Allocations for IRS-Assisted OFDM Communications: A Hybrid MDQN-DDPG Approach,” *2022 IEEE International Conference on Communications (ICC)*, Seoul, Korea, 2022, pp. 2047-2052. 4. Wei Wu, Fuhui Zhou, Baoyun Wang, Qihui Wu, Chao Dong, and Rose Qingyang Hu, “Unmanned Aerial Vehicle Swarm-Enabled Edge Computing: Potentials, Promising Technologies, and Challenges,” *IEEE Wireless Communications*, to be published, 2022. 5. Wei Wu, Zi Wang, Fuhui Zhou, Baoyun Wang, Qihui Wu, and Naofal Al-Dhahir, “Joint Sensing and Transmission Optimization in IRS-Assisted CRNs: Throughput Maximization,” in *Proc. IEEE Global Communications Conference (GLOBECOM) 2022*, to be published. 6. Wei Wu, Fengchun Yang, Fuhui Zhou, Qihui Wu, and Rose Qingyang Hu, “Intelligent Resource Allocation for IRS-Enhanced OFDM Communication Systems: A Hybrid Deep Reinforcement Learning Approach,” *IEEE Transactions on Wireless Communications*, to be published, 2022. 7. Wei Wu, Zi Wang, Yuhang Wu, Fuhui Zhou, Baoyun Wang, Qihui Wu, and Derrick Wing Kwan Ng, “Joint Sensing and Transmission Optimization for IRS-Assisted Cognitive Radio Networks,” *IEEE Transactions on Wireless Communications*, to be published, 2022. | | |
| **个人简介**  **Personal Profile** | Wei Wuis currently an associate professor at Nanjing University of Posts and Telecommunications. He is an IEEE Member. His research interests include physical-layer security, semantic communication, knowledge graph, energy-efficient resource allocation and edge computing. He has served as a Technical Program Committee Member and Section Chair for many international conferences, such as IEEE GLOBECOM and IEEE ICC. He was awarded as 2020 & 2021 Exemplary Reviewer of IEEE Wireless Communications Letters. He serves as an Editor of Physical Communications. | | |