

Dr. Bui Quang Chung

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**Job Titles**

Lecturer, Faculty of Telecommunications, Posts and Telecommunications Institute of Technology, Vietnam

Education and Qualifications

- 2006–2011: Engineering Degree in Electronic and Telecommunication, Hai Phong University, Vietnam.
- 2011–2015: Master Degree in Electronic and Telecommunication, Chong Qing Lecturer of Posts and Telecommunications, China.
- 2015–2019: Doctoral Degree in Electronic and Telecommunication, The University of Science and Technology of China, China.

Job Experiences

- 2021–present: Lecturer at Posts and Telecommunications Institute of Technology, Vietnam.
- 2019-2021: Researcher at Space Signal Processing Lab., The University of Science and Technology of China, China.
- 2019-2021: Lecturer of Internet School, University of Anhuy, China.

Teaching Experiences

- Undergraduate Program in Electronic and Telecommunication Engineering, Posts and Telecommunications Institute of Technology, Vietnam
 - TEL1368 – Signals and Systems
 - TEL1467 – The Sensor Systems
 - TEL1457 – The Embedded Systems
- Graduate Program in Telecommunication Engineering, University of Anhuy, China:
 - The Fundamentals of Communications
 - Signal Processing for Communications

Research (over the last 5 years)**Research Interests**

- Advanced Signal Processing for Wireless Communications
- Applications of AI in 5G and IoT
- Wireless Communications for 6G

Research Projects

- 5G Detectors based on 3D Deep Learning. No. 04B2-HV-2023-VT. Role: Project Manger. Year: 2023. University Project
- Research on AI Teaching Assistant. Grant No. 03-HV-2023-VT. Role: Project Manger. Year: 2023. University Project

Journal/Conference Publication

- **Bui Quang Chung**, Zhong Fu Ye, "Blind Joint 2-D DOA/Symbols Estimation for 3-D Millimeter Wave Massive MIMO Communication Systems," ACM Transactions on Sensor Networks, ACM-US, pp. 1-18, 2020.
- **Bui Quang Chung**, Zhang Tian Qi, " Blind Recognition of Space Time Block Code in MIMO Systems," Signal Processing, Elsevier, pp. 1-18, 2021.
- **Bui Quang Chung**, Zhong Fu Ye, " Constrained ALS-based Tensor Blind Receivers for Multi-User MIMO Systems," Digital Signal Processing, Elsevier, pp. 136-148, 2022.
- **Bui Quang Chung**, " 3-D Deeplearning Detector for 5G Networks," Digital Signal Processing, Elsevier, pp. 1236-1248, 2023.

Patent

- Zhang Tian Qi, **Bui Quang Chung**. Blind Recognition of STBC in MIMO Systems. Patent P.R. of China. No. 2014110087, 2018.
- Zhang Tian Qi, **Bui Quang Chung**. Low-complexity Tensor-based Blind Receivers for MIMO Systems. Patent P.R. of China. No. 2014110083, 2017.

Signature

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