

WAVES – WiCa
Department of Information Technology
Ghent University – IMEC
Technologiepark-Zwijnaarde 126
9052 Ghent, Belgium

Phone: (+32) 456-59-58-45
E-mail: bo.yin@ugent.be
bborg.yin@gmail.com
Homepage: <https://boyin.pro>
[\[LinkedIn\]](#) [\[ORCID\]](#) [\[Scholar\]](#) [\[GitHub\]](#)

EDUCATION

2022.10 - 2026.09 [Ghent University \(UGent\)](#)
Ph.D. in Electronics and ICT Engineering
2019.09 - 2022.07 [South China University of Technology \(SCUT\)](#)
M.Eng. in Information and Communication Engineering (4.0/4.0)
2015.09 - 2019.07 [South China University of Technology \(SCUT\)](#)
B.Eng. in Information Engineering (3.81/4.0)

RESEARCH INTERESTS

Network Slicing
Wireless Communications
Deep Learning
Convex Optimization

HONORS & AWARDS

2022 - 2026 China Scholarship Council
2018 - 2019 Chongqing Scholar Scholarship
Honorable Mentions in MCM/ICM
2017 - 2018 National Scholarship
2016 - 2017 First Prize in CUMCM
Second Prize in Mathematics Competition

TEACHING EXPERIENCE

2020.03 - 2020.09 *Introduction to Computer & Programming*, SCUT
Role: Teaching Assistant
2019.09 - 2020.02 *Introduction to Engineering*, SCUT
Role: Teaching Assistant

SKILLS

Coding Skills Python, Matlab, C
Languages English, Mandarin (Native)

SERVICES

Reviewer *IEEE TWC, IEEE TCOM, IEEE TCCN, IEEE TVT, IEEE WCL, DCN*

PUBLICATIONS

Journal Papers

* Corresponding Author

- 2023 “RIS-Aided mmWave Network Planning towards Connectivity Enhancement and Minimal Electromagnetic Field Exposure,” **B. Yin**^{*}, W. Joseph and M. Deruyck, *IEEE Access*, vol. 11, pp. 115911-115923, Oct. 2023.
- 2023 “On the Connectivity Maximization in NOMA-Aided Industrial IoT with Multiple Services,” **B. Yin**, J. Tang^{*}, M. Wen and W. Li, *IEEE Internet of Things Journal*, vol. 10, no. 17, pp. 15147-15158, Sept. 2023.
- 2023 “Connectivity Maximization in Non-orthogonal Network Slicing Enabled Industrial Internet-of-Things with Multiple Services,” **B. Yin**, J. Tang^{*} and M. Wen, *IEEE Transactions on Wireless Communications*, vol. 22, no. 8, pp. 5642-5656, Aug. 2023.

Conference Papers

* Corresponding Author

- 2021 “Maximizing the Connectivity of Wireless Network Slicing Enabled Industrial Internet-of-Things,” **B. Yin**, J. Tang^{*} and M. Wen, *IEEE Global Communications Conference (GLOBECOM)*, Madrid, Spain, Dec. 2021, pp. 1-6.