



China National Postgraduate Scholarship (0.2%), HITSZ Outstanding Student Pacemaker (0.3%)

HITSZ Postgraduate Grand Prize Scholarship, HITSZ Undergraduate First Prize Scholarship

Background — Strong Communications and Networking Foundation

High-School Shenzhen Senior High School (Group) Centre Campus, Shenzhen, China2015.09-2018.07

B.Eng. HITSZ, Communications Engineering, GPA 3.746/4.0, Outstanding Graduate2018.09-2022.07

M.Phil. HITSZ, Information and Communications Engineering (Postgraduate Guaranteed Admission), 3.431/4.02022.09-2025.01

Research Experience — Self-motivated and Have Some Research Experience

National Key R&D Program: Air, Space, and Sea Coverage Network Research Project (2020YFB1806403)2021.12-

Guangdong Basic and Applied Basic Research: Air, Space, and Sea Information Network Project (2022B1515120002)2022.10-

National Natural Science Foundation: Deep Space Communications Transmission Research (61871147)2023.03-

National Natural Science Foundation: Research on Information Transmission for Manned Lunar Landing (61831008)2023.03-

National Key Scientific Research Instrument Project: Deep Space Communications Channel Simulator (62027802)2023.03-

• Invention Patent: Guoquan Chen, Shaohua Wu, Jian Jiao, Qinyu Zhang. Link Handover and Diversity Merge Research for High-Low Orbital Satellite Hybrid Networks. Public Number: CN115473569A. Undergraduate Graduation Project Related. Faculty

Outstanding Graduation Project & University Outstanding Graduation Project (2%).

• Publication 1: Guoquan Chen, Shaohua Wu*, Yajing Deng, Jian Jiao, and Qinyu Zhang. VLEO Satellite Constellation Design for Regional Aviation and Marine Coverage. IEEE TNSE (Transactions on Network Science and Engineering, JCRQ1, IF6.6), 2023. DOI: [10.1109/TNSE.2023.3321600](#). Relevant conference version published in IEEE GlobeCom (CCF C), and I presented in Kuala Lumpur, Malaysia on 2023.12.03-09.

• Publication 2: Guoquan Chen, Shaohua Wu*, Junhua You, and Qinyu Zhang*. Communication-Navigation Integrated Satellite Constellation for Lunar Exploration: Frozen-Orbit Based HyInc Walker. IEEE JSAC (IEEE Journal on Selected Areas in Communications, JCRQ1, IF16.4), 2024. DOI: [10.1109/JSAC.2024.3365888](#). Relevant conference version published in IEEE WCNC (CCF C), and I will be presenting it in Dubai, UAE on 2024.04.21-24.

• Academic Volunteer Experience: IEEE GlobeCom 2023 SAC-SSC Session Chair, IEEE WCNC 2024 Track4-27 Satellite and Space Communications Session Chair, IEEE WCNC 2024 TPC Member, IEEE PIMRC 2024 TPC Member. As a Reviewer: IEEE JSAC, IEEE TVT, IEEE Communication Letters, IEEE INFOCOM, IEEE WCNC, IEEE PIMRC, IEEE WCSP.

• Research Interest: Wireless Communications and Networking, Space Communications, Resource Allocation and Optimization, and Intelligent Communications.

• Skills: CET-6, MATLAB, STK, Python, C/C++, Latex, Linux, HTML, CSS

Competition Experience — Good Foundation in Mathematics

• China National University Student Mathematical Modelling CompetitionSecond Prize (Captain)

• China National University Student Mathematical CompetitionThird Prize (Individual)

• China Guangdong Province Mathematical Modelling CompetitionFirst Prize (Captain)

• China Guangdong Province Electronic Design CompetitionThird Prize (Team Member)

• China ZTE Algorithm CompetitionWinning Prize (Individual)

Volunteer & Activity — Optimistic and Helpful

Served as Class President & Head of University Ministry of Life. Involved in 30+ volunteer activities, 128h of volunteer time, worked as a Covid-19 volunteer, concerned about society's blood donation and donated 1400mL of blood.

• Outstanding Individual in University Social Activities

• Outstanding Student Leader

• Outstanding Volunteer (7 times for now)

Art & Sports — Personal Diversity

I have good habits in arts and sports (running & badminton). I have been involved in many sports and cultural performances.

• University Chorus Champion

• University Sports Meet 100m Last 8

• Faculty Sports Meet 100m Championship

• University Orienteering Third Prize

• University Sports Meet 100m-Relay Last