



**HIT Top 10 Outstanding Candidate, 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

<b>High-School</b> Shenzhen Senior High School (Group) Centre Campus, Shenzhen, China	15.09-18.07
<b>B.Eng.</b> HITSZ, Communications Engineering, GPA 3.746/4.0, <b>Outstanding Graduate</b>	18.09-22.07
<b>M.Phil.</b> HITSZ, Information & Communications Eng. (Guaranteed Admission), 3.431/4.0 Advisor: <a href="#">S. Wu</a> & <a href="#">Q. Zhang</a>	22.09-25.01

**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:** Academic correspondent of Digital Communications and Networks (JCRQ1, IF7.9) 1-3 years since 2024, 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, 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 Competition	<b>Second Prize (Captain)</b>
• China National University Student Mathematical Competition	<b>Third Prize (Individual)</b>
• China Guangdong Province Mathematical Modelling Competition	<b>First Prize (Captain)</b>
• China Guangdong Province Electronic Design Competition	<b>Third Prize (Team Member)</b>
• China ZTE Algorithm Competition	<b>Winning Prize (Individual)</b>

**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**

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