Ding ZHAO | Curriculum Vitae

✉ dzhao29@jhu.edu   •   🏠 dzhao99.github.io

Research Interest

Wireless System and Networking Designing and implementing wireless network architectures(mmWave networking, cross-layer protocols, satellite networking, joint communication and sensing etc.)

Mobile and Ubiquitous Computing Designing and implementing ubiquitous sensing systems for Internet-of-Things applications(wireless health, human-computer interaction, VR/AR etc.)

Education

Johns Hopkins University(JHU)	**Baltimore, US**
Ph.D., Computer Science	*2024–present*
Advisor: Prof. Renjie Zhao	

University of California, Los Angeles(UCLA)	**Los Angeles, US**
M.S., Electrical and Computer Engineering	*2022–2024*
Advisor: Prof. Danijela Cabric	

Zhejiang University(ZJU)	**Hangzhou, China**
B.E., Electronics Science and Technology	*2018–2022*
Advisor: Prof. Min Li	

Publications

Note: '*' marks co-primary authors.

Conference Publications

[C5] "SatPipe: Deterministic TCP Adaptation for Highly Dynamic LEO Satellite Networks"
Ding Zhao, Xinyu Zhang, Myungjin Lee
IEEE International Conference on Computer Communications (**INFOCOM**), 2025

[C4] "MONA: Moving Object Detection from Videos Shot by Moving Camera"
Boxun Hu*, Mingze Xia*, **Ding Zhao**, Guanlin Wu
AAAI workshop on AI for Urban Planning (**AAAI-AI4UP**), 2025

[C3] "Fast Frequency-Direction Mapping Design for Data Communication with True-Time-Delay Array Architecture"
Ding Zhao, Aditya Wadaskar, Ibrahim Pehlivan, Danijela Cabric
IEEE International Conference on Computing, Networking and Communications (**ICNC**), 2024

[C2] "Structured Two-Stage True-Time-Delay Array Codebook Design for Multi-User Data Communication"
Aditya Wadaskar, **Ding Zhao**, Ibrahim Pehlivan, Danijela Cabric
IEEE Global Communications Conference (**GLOBECOM**), 2023

[C1] "Joint Transmit and Reflective Beamforming for IRS-Assisted Integrated Sensing and Communication"
Xianxin Song, **Ding Zhao**, Haocheng Hua, Tony Xiao Han, Jie Xu
*IEEE Wireless Communications and Networking Conference (**WCNC**), 2022*

Research Experience

Johns Hopkins University(JHU)   **Baltimore, US**
Advisor: Prof. Renjie Zhao   *2024-present*

University of California, San Diego(UCSD)   **La Jolla, US**
Advisor: Prof. Xinyu Zhang   *2023-2024*

University of California, Los Angeles(UCLA)   **Los Angeles, US**
Advisor: Prof. Danijela Cabric   *2022-2024*

Chinese University of Hong Kong, Shenzhen (CUHK-SZ)   **Shenzhen, China**
Advisor: Prof. Jie Xu   *2021-2022*

Teaching Experience

EN.601.461/661 Computer Vision   **Johns Hopkins University**
Teaching Assistant   *2024 Spring*
Instructor: Prof. Kapil D. Katyal

Honors and Awards

2022 Outstanding Graduates of Zhejiang University

2021 Academic Records Scholarship of Zhejiang University(first class,3%)

2020 Academic Records Scholarship of Zhejiang University(first class,3%)

2020 Scholarship of National Talent Training Base(first class,6%)