

BUI DUC SON

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EDUCATION

- Bachelor of Electronics and Telecommunications, Hanoi University of Science and Technology; GPA 3.48/4.0.
- English: IELTS Academic 6.5 overall.
- Currently pursuing a combined Master's and Doctoral degree at Sungkyunkwan University.

PUBLICATIONS

- **Jun-2023:** N. T. Hoa, L. V. Huy, **B. D. Son**, N. C. Luong and D. Niyato, "Dynamic Offloading for Edge Computing-Assisted Metaverse Systems," in IEEE Communications Letters.
- **Jun-2024:** **B. D. Son**, N. T. Hoa, T. V. Chien, W. Khalid, M. A. Ferrag, W. Choi, M. Debbah, "Adversarial Attacks and Defenses in 6G Network-Assisted IoT Systems," in IEEE Internet of Things Journal.
- **Nov-2024:** **B. D. Son**, N. N. Khanh, T. V. Chien and D. I. Kim, "Adversarial Attacks Against Double RIS-Assisted MIMO Systems-Based Autoencoder in Finite-Scattering Environments," in IEEE Wireless Communications Letters.
- **Aug-2025:** N. X. Tung, L. T. Giang, **B. D. Son**, S. G. Jeong, T. V. Chien, W. J. Hwang, and L. Hanzo. "Graph Neural Networks for Next-Generation-IoT: Recent Advances and Open Challenges.", in IEEE Communications Surveys & Tutorials
- **2025** **B. D. Son**, G. Zhao, T. V. Chien and D. I. Kim. "Secure Distributed RIS-MIMO over Double Scattering Channels: Adversarial Attack, Defense, and SER Improvement", submitted.

ACHIEVEMENTS AND AWARDS

- **Oct-2023:** One of the top 10 outstanding interns after successfully passing two rigorous selection rounds in the "Viettel Digital Talent 2023" program in field 5G.
- **May-2024:** First potential award in the 41st annual Scientific Research Student Conference for the 2023-2024 academic year, SEEU, HUST (School level).
- **Jun-2024:** First prize in the 41st annual Scientific Research Student Conference for the 2023-2024 academic year in the field of Network Security - Digital Communications - Telecommunications, HUST (University level).
- **Nov-2024:** Second prize in the Science and Technology Awards for Students in Universities 2024 (National level).
- **May-2025:** Australia-Vietnam Strategic Technologies Scholarship for contribution in emergency technology.

WORK EXPERIENCE

Apr 2023 - Nov 2023: Viettel digital talent - Viettel High Technology

- Developed methods to detect Speedtest timing from end-user 5G device logs and created tools to measure 5G cell and UE quality, including BLER analysis from gNodeB logs to identify underperforming stations.

Sep 2022 - Feb 2025: Research assistant - [NETLAB](#), [HUST](#) under supervision of Dr. Trinh Van Chien

- Research and write papers about Wireless Communication Systems that exploit AI.

Feb 2025 - Now: Associate Researcher - [WCL Lab](#), [SKKU](#), under supervision of Prof. Dong In Kim

- Integrated Ph.D Course, Electrical and Computer Engineering.

Jan 2025 - Now: Reviewer - IEEE Internet of Things Journal, IEEE PIMRC 2025

REFERENCE

- Assoc. Prof. Nguyen Tien Hoa, Lecturer, SEEE, Hanoi University of Science and Technology. [Google Scholar](#)
- Dr. Trinh Van Chien, Lecturer, SOICT, Hanoi University of Science and Technology. [Google Scholar](#)
- Prof. Dong In Kim, Director, Super Sapiens Research Institute, Sungkyunkwan University. [Google Scholar](#)