

1. Name: NGUYEN THANH TRUNG

2. Education

Degree	Field	Institution	Year
M.Sc.	Data Communication and Computer Networks	Hanoi University of Science and Technology, Vietnam	2019
Engineer	Information Technology	Hanoi University of Science and Technology, Vietnam	2016

3. Academic experience

Institution	Rank, Title	Year/Period	FT/PT
Phenikaa University	Lecturer	2020 - Present	FT
School of Information and Communication Technology	Researcher	2017 – 2019	FT

4. Non-academic experience

Company	Position	Year/Period	FT/PT
National Foundation for Science and Technology Development	IT Leader	2017 – 2020	FT
VDSmart Technology Joint Stock Company	Manager, System Development Center	2020 – 2021	FT

5. Certifications or professional registrations

N/A

6. Current membership in professional organizations

N/A

7. Honors and awards

- Best Paper Awards, IEEE WF-IoT 2022
- The title “Student with five good merits” 2013, level: Central
- The “January Star” 2015, level: Central
- The title “Student with five good merits” 2015, level: Central

8. Service activities

- Research on scientific basis to perfect the information security system of the National Science and Technology Development Foundation 2019 (PI, Organization-level science and technology project)
- Research on the scientific basis of e-Government architecture of the National Science and Technology Development Foundation 2020 (PI, Organization-level science and technology project)

9. Briefly list the most important publications and presentations

- 2023, A Q-learning-based Multipath Scheduler for Data Transmission Optimization in Heterogeneous Wireless Networks. **Thanh Trung Nguyen**, Minh Hai Vu, Phi Le Nguyen, Phan Thuan Do, Kien Nguyen. IEEE CCNC 2023. Las Vegas, USA.

- 2022, A Reinforcement Learning-based Multipath Scheduling for Heterogeneous Wireless Networks. **Thanh Trung Nguyen**; Minh Hai Vu; Phi Le Nguyen; Phan Thuan Do; Kien Nguyen. IEEE 8th World Forum on Internet of Things (WF-IoT), Japan.
- 2022, Deep Reinforcement Learning-Based Charging Algorithm for Target Coverage and Connectivity in WRSNs. Nang Hung Nguyen, Nam Duong Tran, Manh Cuong Dao, **Thanh Trung Nguyen**, Thanh Hung Nguyen, Phi Le Nguyen. JST: Smart Systems and Devices Vol 32.3.
- 2022, Exploiting Deep Reinforcement Learning for Coverage Maximization and Cost Minimization in Air Quality Monitoring Systems. Hung Cuong Nguyen, Manh Cuong Dao, **Thanh Trung Nguyen**, Ngoc Khanh Doan, Thanh Hung Nguyen, Truong Thao Nguyen, Phi Le Nguyen. IEEE PIMRC
- 2019, Network Lifetime Maximization for Full Area Coverage in Wireless Sensor Networks. **Nguyen Thanh Trung**, Nguyen Thanh Hung, Phi Le Nguyen. APCC 2019. HCMC, Vietnam. (Rank B).
- 2017, A Delay-Guaranteed Geographic Routing Protocol with Hole Avoidance in WSNs. Phi Le Nguyen, Yusheng Ji, **Nguyen Thanh Trung**, Nguyen Thanh Hung, MASS 2017: 135-143. USA. (Rank B).
- 2017, Constant stretch and load balanced routing protocol for bypassing multiple holes in wireless sensor networks. Phi Le Nguyen, Yusheng Ji, **Nguyen Thanh Trung**, Nguyen Thanh Hung. NCA 2017: 35-43. Cambridge, MA, USA. (Rank A).
- 2017, Hole Bypassing Geographic Routing Protocol with Delay Guarantee in WSNs. Phi Le Nguyen, Yusheng Ji, **Nguyen Thanh Trung**, Nguyen Thanh Hung. Technical Report of IEICE, IN2016-163, March 2017. Japan8,

10. Briefly list the most recent professional development activities

- Research internship at National Institute of Informatics, Japan, 2024