

Name	NGUYEN Thi Tu Trinh		
Position	Lecturer, Department of Physics and Computer Science		
Academic Career		<i>Institution</i>	<i>Year</i>
	Master degree	Ho Chi Minh city University of Technology, VNU-HCM, Vietnam	2023
	Undergraduate/bachelor degree	Industrial University of Ho Chi Minh City, Vietnam	2018
Employment	<i>Position</i>	<i>Employer</i>	<i>Period</i>
	Research Assistant	Industrial University of Ho Chi Minh City, Vietnam	2018-2021
	Teaching Assistant	Faculty of Physics – Engineering Physics, VNUHCM-University of Science	2023-October 2024
	Lecturer	Faculty of Physics – Engineering Physics, VNUHCM-University of Science	October 2024-Present
Research and development projects over the past 5 years	<i>Name of project or research focus</i>	<i>Body funding</i>	<i>Role/ Period</i>
	Performance Analysis of Short-Packet Wireless Communications for IoT Application	VNUHCM-University of Science (T2023-108)	Principal investigator 2023-2024
Industry collaborations over the past 5 years	<i>Project titles</i>		<i>Partners</i>
	None		None
Patents and proprietary rights	<i>Title</i>		<i>Year</i>
	None		None
Important publications over the last 5 years	<i>Selected recent publications from a total of approx.:</i> 1. Tu-Trinh Nguyen , Dinh-Thuan Do, “Exploiting performance of two-way non-orthogonal multiple access networks: Joint impact of co-channel interference, full-duplex/half-duplex mode and SIC receiver,” <i>Ad Hoc Networks</i> , Vol. 97, pp. 102032, Feb. 2020.		

	<p>2. Tu-Trinh Nguyen, Do D. T., Chen Y. C., So-In C., & Rahman M. A., “New look on relay selection strategies for full-duplex multiple-relay NOMA over Nakagami-m fading channels,” <i>Wireless Networks</i>, Vol. 27, No. 6, pp. 3827-3843, 2021.</p> <p>3. Dinh-Thuan Do, Tu-Trinh Nguyen, Chi-Bao Le, Miroslav Voznak, Zeeshan Kaleem, Khaled M Rabie “UAV relaying enabled NOMA network with hybrid duplexing and multiple antennas,” <i>IEEE Access</i>, Vol. 8, pp. 186993-187007, Oct. 2020.</p> <p>4. Dinh-Thuan Do, Tu-Trinh Nguyen, Tu N Nguyen, Xingwang Li, Miroslav Voznak, “Uplink and downlink NOMA transmission using full-duplex UAV,” <i>IEEE Access</i>, Vol. 8, pp. 164347-164364, Sep. 2020.</p> <p>5. Dinh-Thuan Do, Tu-Trinh Nguyen, “Impacts of imperfect SIC and imperfect hardware in performance analysis on AF Non-Orthogonal Multiple Access network,” <i>Telecommunication Systems</i>, Vol. 72, No. 4, pp. 579-593, Dec. 2019.</p> <p>6. Tu-Trinh Nguyen, X.-Xinh Nguyen and H.-H. Kha, “Secrecy Outage Performance Analysis for IRS-Aided Cognitive Radio NOMA Networks,” <i>2022 IEEE Ninth International Conference on Communications and Electronics (ICCE)</i>, Nha Trang, Vietnam, 2022, pp. 149-154.</p> <p>7. Tu-Trinh Nguyen, Xuan-Xinh Nguyen, “Average Block Error Rate Analysis of IRS-Aided NOMA Short-Packet Communication Systems,” <i>2023 International Symposium on Electrical and Electronics Engineering (ISEE)</i>, Ho Chi Minh City, Vietnam, pp. 91-96, 2023. DOI: 10.1109/ISEE59483.2023.10299877.</p>		
Activities in specialist bodies over the last 5 years	Organization	Role	Period
	None	None	None
Website	https://phys.hcmus.edu.vn/		