

Name	HOANG Thi Kieu Trang		
Position	Lecturer, Department of Nuclear Physics		
Academic Career		<i>Institution</i>	<i>Year</i>
	Doctoral Degree	Florida State University, USA	2012
	Master Degree	University of Science, VNUHCM	2003
	Undergraduate/Bachelor Degree	University of Science, VNUHCM	1998
Employment	<i>Position</i>	<i>Employer</i>	<i>Period</i>
	Lecturer	Faculty of Physics - Engineering Physics	1999 - 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>
	Studying deformable image registration on 4DCT lung images	VNUHCM	Leader 2017-2021
	Nuclear Physics Virtual Laboratory (NuVirLab)	IEEE-NPSS	Project manager 2022-2024
	EasyPET Upgrade project	IEEE-NPSS	Member 2025 - 2028
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. Dang, Minh; Patil, Avinash A.; Lai, Ly Khanh Thi ; Chou, Szu-Wei; Hoang Thi Kieu Trang; Estayan, Mhar Ian Cua ; Peng, Wen-Ping (2025). Optimization of the Entropy-Based Wavelet Method for Removing Strong RF and AC Interferences in a Charge Detection Linear Ion Trap Mass Spectrometer, Analytical Chemistry (accepted) 2. Hai, V. H., Phuc, N. T. T., Trang, H. T. K., Loan, T. T. H., & Sang, P. L. H. (2024). Development Of FPGA-Based Nuclear Electronics Using NI MyRIO Hardware For Small-Scale Radiation Detector Systems. IEEE Transactions on Nuclear Science.		

	3. Huy Quang Dang, Cong Thanh Nguyen, Hoat Viet Pham, Linh Duc Tran, Cong Duc Nguyen, Dung Vu Manh Truong, Trang Thi Kieu Hoang, Tao Van Chau. (2023). The institutional experience of the implementing 4DCT in NSCLC radiotherapy planning, Reports of Practical Oncology and Radiotherapy, Volume 28, Number 4, 445-452 4. Pham The Bao, Hoang Thi Kieu Trang, Tran Anh Tuấn, Tran Thien Thanh, Vo Hong Hai, Modeling Respiratory Signals by Deformable Image Registration on 4DCT Lung Images, BioMed research international, 2021 5. Kieu-Trang T. Hoang, Tan-Chau Nguyen , Trung-Hieu Nguyen, Hong-Loan T. Truong, Tao V. Chau, "Medical Physics in Vietnam: The current status of equipment, workforce and education", Medical Physics International Journal, vol.6, No.2, 2018.		
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Role</i>	<i>Period</i>
	IEEE Nuclear and Plasma Sciences Society (IEEE-NPSS)	Member of Transnational Committee	2022-2024
	IEEE Nuclear and Plasma Sciences Society (IEEE-NPSS)	Chair of Transnational Committee	2025-2028
Website	https://phys.hcmus.edu.vn/		