

Name	HUA Thi Hoang Yen		
Position	Lecturer, Department of Physics and Computer Science		
Academic Career		<i>Institution</i>	<i>Year</i>
	Master degree	University of Science, VNUHCM	2007
	Master degree	University of Technology, VNUHCM	2012
Employment	<i>Position</i>	<i>Employer</i>	<i>Period</i>
	Lecturer	Faculty of Physics - Engineering Physics	2003-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>
	Image enhancement method for detection of suspicious regions in mammograms	T2022-05	Principal investigator
	Breast tumor detection in mammogram based on dual morphological operator and wavelet transform	C2022-18-08	Principal investigator
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> Yen Thi Hoang Hua, et al. (2024). Enhancing and denoising mammographic images for tumor detection using bivariate shrinkage and modified morphological transforms. International Journal of Computing and Digital Systems, 16(1), 1055-1066. Yen Thi Hoang Hua, et al. (2024). Denoising and enhancing image quality for detection accuracy in mammograms. IEEJ Transactions on Sensors and Micromachines, 144(10), 307-310. Yen Thi Hoang Hua, et al. (2023). Detection of Abnormalities in Mammograms by Thresholding Based on Wavelet Transform and Morphological Operation. In: Nguyen, T.D.L., Verdú, E., Le, A.N., Ganzha, M. (eds) Intelligent Systems and Networks. ICISN 2023. Lecture Notes in Networks and Systems, vol 752. Springer, Singapore.		

	4. Nguyen, G. H., Yen Thi Hoang Hua, Nguyen, L. C., & Dang, L. V. (2024). Image enhancement using bidimensional empirical mode decomposition and morphological operations for brain tumor detection and classification. Asian Pacific Journal of Cancer Prevention, 25(9), 3327-3338. 5. Hong Nguyen, G., Yen Thi Hoang Hua, Van Dang, L. (2023). MRI Brain Tumor Segmentation Using Bidimensional Empirical Mode Decomposition and Morphological Operations. In: Nguyen, T.D.L., Verdú, E., Le, A.N., Ganzha, M. (eds) Intelligent Systems and Networks. ICISN 2023. Lecture Notes in Networks and Systems, vol 752. Springer, Singapore.		
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Role</i>	<i>Period</i>
	None	None	None
Website	https://phys.hcmus.edu.vn/		