Name	HUA Thi Hoang Yen		
Position	Lecturer, Department of Physics and Computer Science		
Academic Career		***Institution***	***Year***
	Master degree	University of Science, VNUHCM	2007
	Master degree	University of Technology, VNUHCM	2012
Employment	***Position***	***Employer***	***Period***
	Lecturer	Faculty of Physics - Engineering Physics	2003-Present
Research and development projects over the past 5 years	***Name of project or research focus***	***Body funding***	***Role/ Period***
	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	***Project titles***	***Partners***
	None	None
Patents and proprietary rights	***Title***	***Year***
	None	None

Important publications over the last 5 years

Selected recent publications from a total of approx.:

1. **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.
2. **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.
3. **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.

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<tr><td></td><td colspan="3">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.</td></tr>
<tr><td rowspan="2">Activities in specialist bodies over the last 5 years</td><td>Organization</td><td>Role</td><td>Period</td></tr>
<tr><td>None</td><td>None</td><td>None</td></tr>
<tr><td>Website</td><td colspan="3">https://phys.hcmus.edu.vn/</td></tr>
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