

CỘNG HÒA XÃ HỘI CHỦ NGHĨA VIỆT NAM
Độc lập – Tự do – Hạnh phúc

LÝ LỊCH KHOA HỌC

I. LÝ LỊCH SƠ LƯỢC

Họ và tên: Lê Văn Hùng

Giới tính: Nam

Ngày, tháng, năm sinh: 23/11/1987 Nơi sinh: Phú Thọ

Quê quán: xã Hà Thạch, TX. Phú Thọ, tỉnh Phú Thọ Dân tộc: Kinh

Học vị cao nhất: Tiến sĩ Năm, nước nhận học vị: 2019, Việt Nam

Chức danh khoa học cao nhất: Phó Giáo sư Năm bổ nhiệm: 2024

Chức vụ (hiện tại hoặc trước khi nghỉ hưu): Phó trưởng phòng QLKH và HTQT

Đơn vị công tác (hiện tại hoặc trước khi nghỉ hưu): Phòng QLKH và HTQT

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Nơi cấp: Cục QLHC

TTXH

II. QUÁ TRÌNH ĐÀO TẠO

1. Đại học:

Hệ đào tạo: Chính quy

Nơi đào tạo: Trường đại học Hùng Vương

Ngành học: Tin học

Nước đào tạo: Việt Nam Năm tốt nghiệp: 2010

Bằng đại học 2: Cử nhân ngôn ngữ Anh Năm tốt nghiệp: 2022

2. Sau đại học

2.1. Thạc sĩ chuyên ngành: Máy tính – Hệ thống thông tin Năm cấp bằng: 2013

Nơi đào tạo: Trường đại học Sư Phạm Hà Nội

2.2. Tiến sĩ chuyên ngành: Khoa học máy tính Năm cấp bằng: 2019

Nơi đào tạo: Trường đại học Bách Khoa Hà Nội

Tên luận án: Phát hiện và nhận dạng đối tượng 3D hỗ trợ sinh hoạt của người khiếm thị

3. Ngoại ngữ:

1. Cử nhân

Mức độ sử dụng: Thành thạo

2.

Mức độ sử dụng:

3. Mức độ sử dụng:

III. QUÁ TRÌNH CÔNG TÁC CHUYÊN MÔN

Thời gian	Nơi công tác	Công việc đảm nhiệm
2011-2014	Trung tâm tin học Thống kê, Tổng cục Thống kê	Kỹ sư lập trình
2014-2019	Trường Cao đẳng Thống kê, Tổng cục Thống kê	Giảng viên
2019 - nay	Trường đại học Tân Trào	Giảng viên

IV. QUÁ TRÌNH NGHIÊN CỨU KHOA HỌC

1. Các đề tài nghiên cứu khoa học đã và đang tham gia

TT	Tên đề tài nghiên cứu	Năm bắt đầu/Năm hoàn thành	Đề tài cấp (NN, Bộ, ngành, trường)	Trách nhiệm tham gia trong đề tài
1	Phân tích và hiểu tự động tương tác giữa tay và đồ vật dựa trên biểu diễn nhóm Lie (Understanding Hand Object Manipulation via Lie Group Representation)	2020/2023	NN	Chủ nhiệm
2	Nghiên cứu, khai thác và phổ biến phần mềm khảo sát Online miễn phí phục vụ hoạt động đảm bảo chất lượng của Trường Đại học Tân Trào	2020/2021	Trường	Chủ nhiệm
3	Nghiên cứu sử dụng Deep Learning để ước lượng, nhận dạng hoạt động tư thế bàn tay 3D trên dữ liệu thu được từ cảm biến mang	2022/2023	Trường	Chủ nhiệm

2. Các công trình khoa học đã công bố từ 2020 đến nay

STT	Công trình khoa học công bố	Ghi chú
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1.	[15].Van-Hung LE*, Hung-Cuong Nguyen (2020), A Survey on 3D Hand Skeleton and Pose Estimation by Convolutional Neural Network, Advances in Science, Technology and Engineering Systems Journal, ISSN: 2415-6698, Vol. 5, No. 4, pp. 144-159, (SCOPUS Q3, IF: 0.4)	
2.	[16]. Van-Hung LE*, (2020) 3-D Human Pose Estimation in Traditional Martial Art Videos, International Journal of Machine Learning and Computing (IJMLC), ISSN: 2010- 3700, Vol. 10, No. 2, pp.358-367	
3.	[17]. Van-Hung LE* (2021) Relationship between grasping actions and object attributes: A survey, Journal of Advances in Information Technology, ISSN: 1798-2340 (Online), Vol.12, No. 1, pp. 6-13 (SCOPUS Q2, IF:1.0)	
4.	[18]. Sinh-Huy Nguyen, Van-Hung LE*,Standardized UCI-EGO Dataset for Evaluating 3D Hand Pose Estimation on the Point Cloud, Advances in Science, Technology and Engineering Systems Journal (ASTES Journal); ISSN: 2415-6698, Vol. 6, issue 1 , pp.1-9; DOI: 10.25046/aj060101, (SCOPUS Q3, IF:0.4)	
5.	[19]. Van-Hung LE*, Rafal Scherer, (2021), Human Segmentation and Tracking Survey on Masks for MADS Dataset, Sensors, ISSN: 1424-8220, Vol. 21(24), 8397, pp. 1-22, (SCIE, Q2, IF: 3.9)	
6.	[20]. Hai-Yen-Tran, Trung-Minh Bui, Thi-Loan Pham, Van-Hung LE*, (2022), An Evaluation of 2D Human Pose Estimation based on ResNet Backbone, Journal of Engineering Research and Sciences (JENRS), ISSN: 2831-4085, Vol. 1, No. 3, pp. 59-67	
7.	[21]. HC Nguyen, TH Nguyen, R Scherer, Van-Hung LE*, (2022), Unified End-to-End YOLOv5-HR-TCM Framework for Automatic 2D/3D Human Pose Estimation for RealTime Applications, Sensors, ISSN: 1424-8220, Vol. 22(14), 5419; (SCIE, Q2, IF: 3.9)	
8.	[22]. Hung-Cuong Nguyen, Thi-Hao Nguyen, Jakub Nowak, Aleksander Byrski, Agnieszka Siwocha, Agnieszka Siwocha, Van-Hung LE*, (2022), Combined YOLOv5 and HRNet for high accuracy 2d keypoint and human pose estimation, Journal of Artificial Intelligence and Soft Computing Research; ISSN (print): 2083-2567; ISSN (online): 2449-6499, Vol. 12, No. 4, pp. 281-298, (SCIE, Q1, IF: 2.8)	
9.	[23]. Krystian Łapał, Krzysztof Cpałkał, Marek Kisiel-Dorohinicki, Józef Paszkowski, Maciej Debski, Van-Hung LE, Multi-Population-Based Algorithm with an Exchange of Training Plans Based on Population Evaluation, Journal of Artificial Intelligence and Soft Computing Research; ISSN (print): 2083-2567; ISSN (on-line): 2449-6499, Vol. 12; No. 4; pp. 239-253, (SCIE, Q1, IF: 2.8)	
10.	[24].Van-Hung LE*, (2023), Deep learning-based for human segmentation and tracking, 3D human pose estimation and action recognition on monocular video of MADS dataset, Multimedia Tool and	

	Application; ISSN: 13807501, 15737721, Vol. 83, pp. 20771-20818, (SCIE, Q1, IF: 3.6)	
11.	[25]. Viet-Duc Le, Van-Nam Hoang, Tien-Thanh Nguyen, Van-Hung LE, Thanh-Hai Tran, Hai Vu, and Thi-Lan Le, (2023), Hand Activity Recognition From Automatic Estimated Egocentric Skeletons Combining Slow Fast and Graphical Neural Networks, Vietnam Journal of Computer Science, ISSN: 2196-8896, Vol. 10, No. 01, pp. 75-100, (Scopus, Q3, IF: 0.9)	
12.	[26].Van-Hung LE*, Danh-Tuyen Hoang, Huu-Son Do, Trung-Hieu Te, Van-Nam Phan, (2022), Real-time hand action detection and classification on the egocentric vision dataset based on Mediapipe, TNU Journal of Sciene and Technology; ISSN 1859-2171, 2374- 9098; e-ISSN 2615-9562, Vol. 227(18), pp. 181-188 (ACI)	
13.	[27]. Hung-Cuong Nguyen, Thi-Hao Nguyen, Rafał Scherer, Van-Hung LE*, (2023),YOLO Series for Human Hand Action Detection and Classification from Egocentric Videos, Sensors, ISSN: 1424-8220, Vol. 23 (6), 3255; (SCIE, Q2, IF: 3.9)	
14.	[28]. Hung-Cuong Nguyen, Thi-Hao Nguyen, Rafał Scherer, Van-Hung LE*, (2023), Deep Learning for Human Activity Recognition on 3D Human Skeleton: Survey and Comparative Study, Sensors, ISSN: 1424-8220, Vol. 23(11), 5121; (SCIE, Q2, IF: 3.9)	
15.	[29]. Thi-Loan Pham, Van-Hung Le*, (2024), Ovarian Tumors Detection and Classification from Ultrasound Images Based on YOLOv8, Journal of Advances in Information Technology; ISSN: 1798-2340 (Online), Vol. 15, No. 2, 2024, pp.264-275 (Scopus, Q3, IF:1.0)	
16.	[30]. Van-Dinh Do, Van-Hung LE*, Huu-Son Do, Van-Nam Phan, Trung-Hieu Te, TQUHG dataset and Comparative study for Hand Gesture Recognition of RGB-based images using Deep Learning, Indonesian Journal of Electrical Engineering and Computer Science, ISSN: 2502-4752, Vol. 34, No. 3, June 2024, pp. 1603-1617, (Scopus, Q3)	
17.	[31].Van-Hung Le, Thi-Loan Pham*, (2024), Ovarian Tumors Detection and Classification on Ultrasound Images Using One-stage Convolutional Neural Networks, Journal of Robotics and Control (JRC) ISSN: 2715-5072, Volume 5, Issue 2, 2024, pp. 561- 581, (Scopus, Q3)	
18.	[32].Van-Hung Le*, (2024), Feature Descriptors and Deep Learning to Extract Features for Building Monocular VO from TQU-SLAM Benchmark Dataset, Kexue Tongbao/Chinese Science Bulletin, (ISSN: 0023-074X) and (E-ISSN: 2095-9419), Volume 69, No. 4, pp. 1543-1565, (Scopus, Q2)	
19.	[33].Van-Hung LE*, Tuong-Thanh Nguyen, Ngoc-Anh Tran, Thanh-Cong Pham, (2019), Openpose's evaluation in the video traditional martial arts presentation, 2019 19th International Symposium on	

	Communications and Information Technologies (ISCIT); ISBN: 978-1-7281-5009-3, pp. 76-81, (Scopus)	
20.	[34].Van-Hung LE*, Van-Nam Hoang, Hai Vu, Thi-Lan Le, Thanh-Hai Tran, Viet-Vu Vu, (2020), Hand PointNet-based 3D Hand Pose Estimation in Egocentric RGB-D Images, 2020 International Conference on Advanced Technologies for Communications (ATC); ISBN: 978-1-7281-8065-6, pp. 215-220, (Scopus)	
21.	[35]. Viet-Duc Le, Van-Nam Hoang, Tien-Thanh Nguyen, Van-Hung LE, Thanh-Hai Tran, Hai Vu, Thi-Lan Le (2021), A Unified Deep Framework for Hand Pose Estimation and Action Recognition from First-Person RGB Videos, The 4th International Conference on Multimedia Analysis and Pattern Recognition; ISBN: 978-1-6654-1910-9, pp.1-6, (Scopus)	
22.	[36]. Viet-Thanh Le, Thanh-Hai Tran, Van-Nam Hoang, Van-Hung LE, Thi-Lan Le, Hai Vu, (2021), SST-GCN: Structure aware Spatial-Temporal GCN for 3D Hand Pose Estimation, The 13th International Conference on knowledge and systems engineering (KSE 2021); ISBN: 978-1-6654-9975-0, pp.1-6, Scopus	
23.	[37].Van-Hung LE*, Thi-Loan Pham, Hai-Yen Tran, Tien-Thanh Nguyen, (2022), Applied YOLOv5 and Context Constraint for Real-time and High Accuracy Human Detection, 2022 7th International Conference on Information and Network Technologies (ICINT); ISBN: 978-1-6654-8284-4, (Scopus)	
24.	[38]. Son-Tung Tran, Van-Hung LE, Van-Nam Hoang, Khoat Than, Thanh-Hai Tran, Hai Vu, Thi-Lan Le, (2022), A Local Structure-aware 3D Hand Pose Estimation Method for Egocentric Videos, 2022 IEEE Ninth International Conference on Communications and Electronics (ICCE); ISBN: 978-1-6654-9745-9, pp. 255-260, (Scopus)	
25.	[39]. Dinh-Tan Pham, Van-Nam Hoang, Viet-Duc Le, Tien-Thanh Nguyen, Thanh-Hai Tran, Hai Vu, Van-Hung LE, Thi-Lan Le, (2022), Deep Learning Models for SkeletonBased Action Recognition for UAVs, 2022 IEEE Ninth International Conference on Communications and Electronics (ICCE); ISBN: 978-1-6654-9745-9, pp. 243-248, (Scopus)	
26.	[40]. Thi-Loan Pham, Van-Hung LE*, Thanh-Hai Tran & Duy Hai Vu, Comprehensive Study on Semantic Segmentation of Ovarian Tumors from Ultrasound Images, CITA 2023, LNNS 734, 2023. https://doi.org/10.1007/978-3-031-36886-8_22 , Vol. 734, pp. 262-273, (Scopus, Q4)	
27.	[41].Van-Hung LE*, (2023), Real-Time Hand Action Detection and Classification Based on YOLOv7 from Egocentric Videos, International Congress on Information and Communication Technology, Lecture Notes in Networks and Systems 694, https://doi.org/10.1007/978-981-99-3091-3_60 , Vol. 694, pp.723-732, (Scopus, Q4)	

28.	[42].Van-Hung LE*, (2022), Automatic 3D Hand Pose Estimation Based on YOLOv7 and HandFoldingNet from Egocentric Videos, 2022 RIVF International Conference on Computing and Communication Technologies (RIVF), ISBN: 978-1-6654-6166-5, pp. 161- 166, (Scopus)	
29.	[43]. Thi-Loan Pham, Van-Hung Le*, Thi-Lan Le, Hai Vu, Duy-Hai Vu, Thanh-Hai Tran, (2024), Empirical Study of Ovarian Tumors Detection and Classifications in Ultrasound Images, Journal on Information Technologies & Communications, Vol. 2024, No. 2	
30.	[44].Van-Hung Le*, (2024), Visual Slam and Visual Odometry Based on RGB-D Images Using Deep Learning: A Survey, Journal of Robotics and Control (JRC) ISSN: 2715-5072, Volume 5, No. 4, 2024, pp. 1050-1079, (Scopus, Q3)	
31.	[45]. Van-Hung Le*, Trung-Hieu Te Huu-Son Do, Van-Nam Phan, TQU-SLAM Benchmark Feature-based Dataset for Building Monocular VO, Engineering, Technology & Applied Science Research, Vol. 14, Issue No. 4 (2024): August, 2024, pages: 15330-15337 (ESCI, Scopus, Q2, IF:1.5).	
32.	[46]. TH Nguyen, HS Do, TH Te, VN Phan, Van-Hung Le*, TQU-SLAM Benchmark Dataset for Comparative Study to Build Visual Odometry Based on Extracted Features from Feature Descriptors and Deep Learning, Future Internet 16 (5), 174, 2024 15337 (ESCI, Scopus, Q2, IF:3.4).	
33.	[47]. Van-Hung Le*, Empirical study of 3D-HPE on HOI4D egocentric vision dataset based on deep learning, Journal International Journal of Advances in Intelligent Informatics, Volume 10, Issue No 2 (2024) Pages 265-279.	
34.	[48]. Van-Dinh Do, Trung-Minh Bui, Van-Hung Le*, Fast and Accurate Right-Hand detection based on YOLOv8 from Egocentric vision dataset, Communications in Computer and Information Science, 2024.	
35.	[49]. TL Pham, HS Bui, Van-Hung Le, TL Le, VT Nguyen, CM Pham, HT Dang, BKSeg-Net: Segmentation of Ovarian Tumors from Ultrasound Images with Boundary Keypoints Loss, 2024 International Conference on Multimedia Analysis and Pattern Recognition, IEEE, 2024.	
36.	[50]. Van-Anh Ngo, Nam-Anh Ta, Thi-Loan Pham, Van-Hung Le, Duy-Hai Vu, Thi-Lan Le, Hai Vu, Thanh-Hai Tran, Improvement of ovarian detection from ultrasound images using ensemble learning, The International Conference on Intelligent Systems & Networks, Springer Nature Singapore, 2024.	
37.	[51]. Van-Dinh Do, Van-Hung LE*, Fine-Tuning of 3D Hand Pose Estimation on HOI4D Dataset by Convolutional Neural Networks, Communications in Computer and Information Science; ISSN: 1865-937(Online), Volume 2204, CCIS 2204, pp. 1–18, 2025 (Scopus, Q4), https://doi.org/10.1007/978-3-031-81455-6_11	

38.	[52]. Nguyen Thi Loan, Ninh Quang Tri, Do Huu Son, Pham Thi Thuy Linh, and Le Van Hung*, Comparative Study of Hand Activity Recognition from Egocentric 3D Hand Pose, FICC 2025, LNNS 1284, pp. 1–19, 2025. https://doi.org/10.1007/978-3-031-85363-0_13 (Scopus, Q4)	
39.	[53]. Van-Hung Le, Selected hand gesture recognition model based on cross-evaluation of deep learning from large RGB image datasets, Multimedia Tools and Applications, 2025, ISSN: 1573-7721, (Q1, IF:3.0)	
40.	[54]. Van-Hung Le, Huu-Son Do, Quang-Tri Ninh, Van-Thuan Nguyen, Tat-Hung Do, Thi-Ha-Phuong Nguyen, Improved Multi-Layer Fusion Framework Based on Loss Functions for Visual Odometry Estimation from color image sequence, International Journal of Technology, 2025, ISSN: 2086-9614, (Q1, IF:1.5)	
41.	[55]. Van-Hung Le* and Thi-Ha-Phuong Nguyen, A Survey of Visual SLAM Based on RGB-D Images Using Deep Learning and Comparative Study for VOE Xem online: https://doi.org/10.3390/a18070394 , Algorithms 2025, Vol. 18, 394. https://doi.org/10.3390/a18070394 , (SCOPUS ESCI, Q2)	
42.	[56]. Van-Hung Le*, Do Huu Son, Phan Van Nam, Te Trung Hieu, and Ninh Quang Trí, Fine-Tuning VO Estimation Model Based on Deep Learning of TQU-SLAM Benchmark Dataset, Communications in Computer and Information Science (CCIS), volume 2444; ISSN: 1865-0929; E-ISSN: 1865-0937: CCIS 2444, pp. 105–121, 2026. https://doi.org/10.1007/978-3-032-01948-6_7 ; (SCOPUS Q4)	
43.	[56]. Van-Hung Le*, Minh-Quang Nguyen, Trung-Hieu Te, Van-Nam Phan, Huu-Son Do, Control Home Appliances Using Hand Gesture Recognition Based on Deep Learning and Arduino Uno via Infrared Signal, Journal Robot Control (JRC), Vol. 6, No. 6, pp. 2628–2644, Nov. 2025. DOI: https://doi.org/10.18196/jrc.v6i6.27924 (SCOPUS Q2)	
44.	[57]. Van-Hung Le, Huu-Son Do, Thi-Ha-Phuong Nguyen, Van-Thuan Nguyen, Tat-Hung Do*, Combination of MLF-VO-F and loss functions for VOE from RGB image sequence using deep learning, Indonesian Journal of Electrical Engineering and Computer Science (IJECS) p-ISSN: 2502-4752, e-ISSN: 2502-4760; Vol. 39, No. 3, September 2025, pp. 1571~1586, DOI: 10.11591/ijeecs.v39.i3.pp1571-1586; (SCOPUS Q4)	

45.	[58]. Thi-Loan Nguyen, Huy-Nam Chu , The-Thanh Hua , Trung-Nghia Phung , Van-Hung Le , TQU-GraspingObject: 3D Common Objects Detection, Recognition, and Localization on Point Cloud for Hand Grasping in Sharing Environments, Computers, Materials & Continua, ISSN:1546-2218 (print), ISSN:1546-2226 (online) (SCIE, IF: 1.7, Q2, Accepted)	
46.	Van-Thuan Nguyen, Van-Nui Nguyen, Van-Hung Le* , A Review of Vision Language Models for Architectures, Training Methods, Datasets, Evaluation Metrics, Results, and Fine-tuning techniques for Vietnamese, CMC - CMC-Computers, Materials & Continua, 2026 (SCIE, IF: 1.7, Q2, Accepted)	
47.	Van-Thuan Nguyen, Manh-Thuong Nguyen, Xuan-Quynh Nong, Van-Nui Nguyen, Van-Hung Le* , Fine-tuning End-to-End Deep Learning for Automation Speech Recognition Vietnamese, International Journal of Advances in Intelligent Informatics ISSN 2442-6571 (print) 2548-3161 (online), 2026, (SCOPUS Q3, Accepted)	
48.	Thi-Loan Nguyen, Van-Nam Phan, Van-Thuan Nguyen, Van-Hung Le* , Automatically end-to-end hand activity recognition based on 3D hand pose estimation from egocentric vision dataset, Multimedia Tools and Applications Springer Nature Link, (SCOPUS Q1, Accepted)	
49.	Thi-Ha-Phuong Nguyen, Van-Huan Nguyen, Van-Hung Le* , 3D Reconstruction Vision Based in Indoor Scene Survey: Architectures, Metrics, Datasets, Results, and Challenges, Computer Vision Conference (CVC) 2026, CVC 2026, LNNS 2036, pp. 1–23, 2026. https://doi.org/10.1007/978-3-032-29558-3_11 (SCOPUS Q4, Accepted)	
50.	Phuong Thi-Ha Nguyen, Nam Huy Chu, Thanh The Hua, Huan Van Nguyen, Van-Hung Le , Improving Loss Function of Deep Learning for 3D Object Detection on Indoor Scene Point Cloud, Advances in Transdisciplinary Engineering by IOS Press (SCOPUS Q4, Accepted)	

Tuyên Quang, ngày 5 tháng 07 năm 2026

Xác nhận của cơ quan



TS. Nguyễn Minh Anh Tuấn

Người khai ký tên
(Ghi rõ chức danh, học vị)

PGS. TS. Lê Văn Hùng