

Van Hao LE

Curriculum Vitae

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Education

2020–2023 **PhD, Computer Science**, *Univeristy of Tours, LIFAT Laboratory, France*.

Thesis: partial video copy detection: a large-scale dataset and performance evaluation

Interests : Computer Vision, Deep learning, Content-based video retrieval, Representaion learning

2014–2016 : **Master of Science, Information System**, *Vietnam National University, Vietnam*.

Thesis: Content-based video retrieval for slide-lecture videos.

2007–2011 : **Bachelor of Engineering, Computer Science & Technology**, *Hong Duc University, Vietnam*.

Publications

Journal

- 2020 **V.H. Le**, T.A.L. Trinh, V.N. Le, and D.T. Nguyen. A deep learning technique for fraud face detection. *Hong Duc University Journal of Science*, volume 51, pages 83–94. HDU-Publishing House, 2020.
- 2018 **V.H. Le**, T.H.H Le, and T.A.L. Trinh. Seaching for lecture slide video based on content. *Hong Duc University Journal of Science*, volume 38, pages 54–62. HDU-Publishing House, 2018.

International Conferences

- 2023 **Le, V.H.**, M. Delalandre, and H. Cardot. Performance characterization of 2d cnn features for partial video copy detection. In *International Conference on Computer Analysis of Images and Patterns (CAIP)*, pages 205–215. Springer, 2023.
- 2022 **V.H., Le**, M. Delalandre, and D. Conte. A large-scale tv dataset for partial video copy detection. In *International Conference on Image Analysis and Processing (ICIAP)*, pages 388–399. Springer, 2022.
- 2022 F. Rayar, M. Delalandre, and **Le, V.H.** A large-scale tv video and metadata database for french political content analysis and fact-checking. In *Conference on Content-Based Multimedia Indexing (CBMI)*, 2022.
- 2021 **V.H., Le**, M. Delalandre, and D. Conte. Une large base de données pour la détection de segments de vidéos tv. In *Journées Francophones des Jeunes Chercheurs en Vision par Ordinateur (ORASIS)*, 2021.
- 2021 **V.H., Le**, M. Delalandre, and D. Conte. Real-time detection of partial video copy on tv workstation. In *International Conference on Content-Based Multimedia Indexing (CBMI)*, pages 1–4. IEEE, 2021.
- 2019 **Le, V.H.**, The-Anh Pham, and Dinh-Nghiep Le. Hierarchical product quantization for effective feature indexing. In *International Conference on Telecommunications (ICT)*, pages 386–390. IEEE, 2019.

- 2018 T.A. Pham, **Le, V.H.**, and D.N. Le. A review of feature indexing methods for fast approximate nearest neighbor search. In *NAFOSTED Conference on Information and Computer Science (NICS)*, pages 372–377. IEEE, 2018.

Research Experience

Hong Duc University, Vietnam

- 2019 - 2020 **Fraud face detection and verification using deep learning**, HDU funding.

Principal : Generating a new dataset for training our proposed deep learning CNN network in order to detect fraud face in a camera stream.

Teaching Assistantship

Hong Duc University, Vietnam

2012 - 2014 : DB-SQL: Introduction to Relational Databases in SQL

2018 - 2020 : WEB-Apps: Web Programming Fundamentals

Academic Achievements & Recognitions

- 2013 Certificate of appreciation for whose student achieved the 2nd prize at the Vietnam National Informatics Olympic Competition, Da Nang, Vietnam
- 2011 Certificate of appreciation for student won the 2nd prize in the National Informatics Olympic Competition at Hong Duc University, Thanh Hoa, Vietnam
- 2011 Certificate of appreciation for young talented scientists, Ha Noi, Vietnam

Computer skills

Programming Python, C/C++, C#, Java

Tools OpenCV, Numpy, Git, Conda, PyTorch, Keras, Tensorflow

Web HTML/CSS, PHP, MVC, Javascript

Database SQL, MySQL, Oracle, NoSQL

Misc L^AT_EX, Linux/Windows OS

Service

- July, 2018 : Conference Secretariat: Vietnam Conference of Selected ICT Problems
- May, 2023 : Conference Reviewer: ICIAP'22

Referees

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Hubert CARDOT

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