



SCIENTIFIC CURRICULUM VITAE

1. Personal details

Full name:	Bui Manh Quan	Date of birth: 23/09/1975
Academic title:	Ph.D.....	Sex: Male.....
Administrative position:	Head.....	
Department:	Artificial Intelligence	
Institution:	HCMC University of Technology and Education.....	
Address:	1, Vovanngan street	
City/prov:	Ho Chi Minh	
Telephone:		Cell phone: 0971328138
Working e-mail:	quanbm@hcmute.edu.vn	
Personal site(s):	GG Scholar: https://scholar.google.com/citations?user=HtuYUV4AAAAJ&hl=vi&oi=sra OrcID: 0009-0009-9681-2110 Research gate:	

2. Qualifications:

STT	Years	Academic institutions	Major/Specialty	Academic degree
1	1994-1998	Can Tho University	Mathematics Pedagogy	Bachelor
2	2005-2007	Can Tho University	Mathematical Analysis	Master
3	2015-2019	National Central University	Computer Science	Ph.D

3. Professional experience:

STT	Years	Institution	Professional address	Position
1	1998 – 2006	Bac Lieu Provincial Center for Continuing Education	Bac Lieu Province, Vietnam	Teacher
2	2006 – 2015	Bac Lieu University	Bac Lieu City, Vietnam	Lecturer; Deputy Head of Mathematics– Physics Group; Deputy Dean of Education Faculty
3	2015 – 2020	Bac Lieu University	Bac Lieu City, Vietnam	Lecturer; Head of Educational Quality Assurance Unit
4	2020 – 2021	Vietnam Aviation Academy	Ho Chi Minh City, Vietnam	Lecturer, Faculty of General Studies
5	2021-2022	Vietnam Aviation Academy	Ho Chi Minh City, Vietnam	Deputy Head of Training Department, in charge of department operations



6	2022 – 2024	Vietnam Aviation Academy	Ho Chi Minh City, Vietnam	Deputy Head of Information Technology Faculty
7	2024-Present	HCMC University of Technology and Education	1, Vovanngan street, ThuDuc, Ho Chi Minh, Vietnam	Lecturer

4. Language (rating: A- Poor/deficient; B- Fair; C- Sufficient; D- Fluent)

Language	Reading	Writing	Speaking
English	C	C	C
Other language			

5. Expertise and research interests

5.1. Main research orientation: Machine learning, Deep learning, AI, Computer vision

5.2. List of research projects:

List all the research grants/projects:

No	Project ID and Project name	Funding institution & funded amount	Project duration	Project evaluati on ranking	Position/ role in the project
1					
2					

5.3. Publications

No	Authors	Year	Publications	Name of publishers/ No, Vol, Page	ISSN/ ISBN	Doi/ Link	Notes
1	Article(s) in WoS-covered journal						
1.1	Duong, V. H., Bui, M. Q., Li, Y. H., Wang, J. C., & Tai, T. C.	2019	Large Basic Cone and Sparse Subspace Constrained Nonnegative Matrix Factorization With Kullback– Leibler Divergence for Data Representation	IEEE Intelligent Systems Journal, No. 4, Vol. 34, Pages 39-47.	Print ISSN: 1541-1672 Electronic ISSN: 1941-1294	https://doi.org/10.1109/MIS.2019.2923188	
1.2	Duong, V. H., Bui, M. Q., Li, Y. H., Wang, J. C., & Tai, T. C. Wang;	2019	Large Basic Cone and Sparse Subspace Constrained Nonnegative Matrix	IEEE Intelligent Systems/ No. 4, Vol. 34, pp. 39–47	Print ISSN: 1541-1672 Electronic ISSN: 1941-1294	https://doi.org/10.1109/MIS.2019.2923188	



No	Authors	Year	Publications	Name of publishers/ No, Vol, Page	ISSN/ ISBN	Doi/ Link	Notes
	Tzu-Chiang Tai		Factorization with KL Divergence				
1.3	Viet-Hang Duong, Yuan-Shan Lee, Jian-Jiun Ding, Bach-Tung Pham, Manh-Quan Bui, Pham The Bao, Jia-Ching Wang	2018	Projective complex matrix factorization for facial expression recognition	EURASIP Journal on Advances in Signal Processing/ No. 10, Vol. 2018, Page 1-11.	Print ISSN : 1687-6172 Online ISSN: 1687-6180	https://doi.org/10.1186/s13634-017-0521-9	
1.4	Viet-Hang Duong, Manh-Quan Bui, Jian-Jiun Ding, Yuan-Shan Lee, Bach-Tung Pham, Jia-Ching Wang	2017	A new approach of matrix factorization on complex domain for data representation	IEICE TRANSACTIONS on Information and Systems/ No. 12, Vol. 100, Page 3059-3063	Online ISSN : 1745-1361 Print ISSN : 0916-8532	https://doi.org/10.1587/transinf.2017EDL8115	
1.5	Viet-Hang Duong, Manh-Quan Bui, Jian-Jiun Ding, Bach-Tung Pham, Pham The Bao, Jia-Ching Wang	2017	Maximum Volume Constrained Graph Nonnegative Matrix Factorization for Facial Expression Recognition	EICE Trans. on Fundamentals/ No. 12, Vol. E100-A pp. 3081-3085	Online ISSN 1745-1361	https://doi.org/10.1587/transfun.E100.A.3081	
2	Article(s) in Scopus-covered journal						
3	Article(s) in other international journal						



No	Authors	Year	Publications	Name of publishers/ No, Vol, Page	ISSN/ ISBN	Doi/ Link	Notes
4	Article(s) in National scientific journal						
4.1							
5	National/International Conference (s)						
5.1	Bui, M. Q., Duong, V. H., & Wang, J. C.	2024	Exemplar- Embed Complex Matrix Factorization with Elastic-Net Penalty: An Advanced Approach for Data Representation	Springer Nature Singapore/ Page 415-426	Print ISBN: 978-981- 96-4281-6 Online ISBN: 978- 981-96- 4282-3	https://doi.org/10.1007/978-981-96-4282-3_33	
5.2	Duong, V. H., Duc Nhan, B., Bui, M. Q., & Wang, J. C.	2023	Ensemble Learning Technique with A Novelty Multi-Source Information for Stock Price Movements	ACM / Proceedings of the 12th International Symposium on ICT, pp. 707– 714 .	ISBN: 979-8- 4007- 0891-6	https://doi.org/10.1145/3628797.3629007	
5.3	Duong, V. H., Bui, M. Q., & Wang, J. C.	2022	A Wise Matrix Factorization Model for Image Representation	International Conference on Multimedia Analysis and Pattern Recognition (MAPR), pp. 1- 6. IEEE.	ISBN:978- 1-6654- 7410-8 ISSN: 2770-6850	https://doi.org/10.1109/MAPR56351.2022.9924962	
5.4	Duong, VH., Bui, MQ., Wang, JC.	2021	Nonnegative Feature Learning by Regularized Nonnegative	Research in Intelligent and Computing in Engineering. Advances in	Print ISBN 978-981- 15-7526-6	https://doi.org/10.1007/978-981-15-7527-3_5	



No	Authors	Year	Publications	Name of publishers/ No, Vol, Page	ISSN/ ISBN	Doi/ Link	Notes
			Matrix Factorization.	Intelligent Systems and Computing, vol 1254, pp. 47-55. Springer, Singapore.	Online ISBN 978-981-15-7527-3		
5.5	Bui, M. Q., Duong, V. H., Tai, T. C., & Wang, J. C.	2018	Depth human action recognition based on convolution neural networks and principal component analysis	IEEE International Conference on Image Processing (ICIP), Greece	ISBN:978-1-4799-7062-9 Electronic ISSN: 2381-8549	https://doi.org/10.1109/ICIP.2018.8451232	
5.6	Bui, M. Q., Duong, V. H., Li, Y. H., Tai, T. C., & Wang, J. C.	2018	Image representation using supervised and unsupervised learning methods on complex domain	IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), pp. 1248-1252	Electronic ISBN:978-1-5386-4658-8 ISBN:978-1-5386-4659-5	https://doi.org/10.1109/ICASSP.2018.8462222	
5.7	Duong, V. H., Bui, M. Q., & Wang, J. C.	2018	Occluded Image Recognition with Extended Nonnegative Matrix Factorization	IEEE, 2018 5th NAFOSTED Conference on Information and Computer Science (NICS) (pp. 200-204).	Electronic ISBN:978-1-5386-7983-8 Print ISBN:978-1-5386-7984-5	https://doi.org/10.1109/NICS.2018.8606869	
5.8	V. -H. Duong, M. - Q. Bui, P. T. Bao and J. - C. Wang	2017	A new constrained nonnegative matrix factorization for facial expression recognition	IEEE, Singapore/ pp. 79-82,	Electronic ISBN:978-1-5386-3276-5 Print ISBN:978-1-5386-3277-2	https://doi.org/10.1109/COT.2017.8336093	
5.9	Duong, V. H., Lee, Y. S., Ding, J. J., Pham, B. T., Bui, M. Q., Bao, P.	2017	Exemplar-embed complex matrix factorization for facial expression recognition.	IEEE International Conference on Acoustics, Speech and Signal Processing	Electronic ISBN: 978-1-5090-4117-6 Print ISBN:	https://doi.org/10.1109/ICASSP.2017.7952474	



No	Authors	Year	Publications	Name of publishers/ No, Vol, Page	ISSN/ ISBN	Doi/ Link	Notes
	T., & Wang, J. C.			(ICASSP), pp. 1837-1841	978-1-5090-4118-3		
5.10	Bui, M. Q., Duong, V. H., Tseng, S. P., Hong, Z. Z., Chen, B. C., Zhong, Z. W., & Wang, J. C.	2016	NMF/NTF-based methods applied for user-guided audio source separation: An overview.	IEEE, 2016 International Conference on Orange Technologies (ICOT), pp. 80-83.	Electronic ISBN: 978-1-5386-4831-5 Print ISBN: 978-1-5386-4832-2	https://doi.org/10.1109/ICOT.2016.8278984	
5.11	Bui, M. Q., Duong, V. H., Mathulapran gsan, S., Pham, B. T., Lee, W. J., & Wang, J. C.	2016	A survey of polyphonic sound event detection based on non-negative matrix factorization	IEEE, In 2016 International Computer Symposium (ICS), pp. 351-354.	Electronic ISBN: 978-1-5090-3438-3 Print ISBN: 978-1-5090-3439-0	https://doi.org/10.1109/ICS.2016.0077	