

1. Personal Information



Name	Tran Tien-Dzung	Sex	Male
Degree	Doctor of Philosophy in Information Technology		
	Engineer of Applied mathematics & Informatics		
Organization	Department of Software Engineering, Faculty of Information Technology, Hanoi University of Industry.		
Address of Institution	Room 608, Building A1, Hanoi University of Industry, Minh Khai, Bac Tu Liem, Hanoi, Viet Nam		
Email	dungtt@hau.edu.vn; trantd.vn@gmail.com		

2. Research and development field

- Systems Biology & Complex Network
- Soft computing
- Software Engineering

3. Education

No.	Duration	University name	Specialization	Degree
1	2011 – Feb 2014	University of Ulsan, South Korea	Information Technology	PhD
2	2003 – 2005	Hanoi University of Science and Technology	Information Technology	Master
3	1997 – 2002	Hanoi University of Science and Technology	Applied Mathematics & Management information system	Engineer

4. Working experience

No.	Duration	Working organization	Address	Working position
1	Sep 2016 – Present	Department of Software Engineering, Faculty of Information Technology, Hanoi University of Industry	Hanoi University of Industry, Minh Khai, Bac Tu Liem, Hanoi, Viet Nam. Website: www.hau.edu.vn	Head of Dept.
2	May 2015 – Jun 2015	Complex Systems Computing Lab, School of Computer Engineering and Information Technology, University of Ulsan	University of Ulsan, 93 Daehak-ro, Nam-gu, Ulsan 680-749, Republic of Korea. Website: www.ulsan.ac.kr	Research Visiting

3	Mar 2014 – Aug 2016	Department of Information Technology, Institute of Technology, Hanoi University of Industry	Hanoi University of Industry, Minh Khai, Bac Tu Liem, Hanoi, Viet Nam. Website: www.hau.edu.vn	Head of Dept.
4	2010 – 2011	Faculty of Information Technology, Hanoi Vocational College of High Technology	Hanoi Vocational College of High Technology, Tay Mo, Tu Liem, Ha Noi, Vietnam. Website: www.hht.edu.vn	Dean of Information Technology
5	2002 – 2010	Faculty of Information Technology, Hanoi University of Industry	Hanoi University of Industry, Minh Khai, Bac Tu Liem, Hanoi, Viet Nam. Website: www.ulsan.ac.kr	Lecturer
6	2001 – 2002	Department of Integrated Software Systems, Institute of Information Technology, Vietnam Academy for Science and Technology	Vietnam Academy for Science and Technology, 18 Hoang Quoc Viet, Cay Giay, Ha No Website: www.ioit.ac.vn	Research assistant

5. Languages

Vietnamese & English

6. Selected publications

- 1) **Tran, T. D.**, and Y. K. Kwon. "*Hierarchical closeness entropy reveals cancer survivability and biomarker genes in molecular signaling networks*", PNAS Science Journal (submitting), 2016
- 2) **Tran, T. D.**, Truong, C.D, and Y. K. Kwon. "*MORO: a Cytoscape app for Relationship Analysis between Modularity and Robustness in Large-Scale Biological Networks*", BMC Systems Biology (SCI), 2016
- 3) **Tran, T. D.** and Y. K. Kwon. "*Hierarchical closeness efficiently predicts disease genes in a directed signaling network*", Computational Biology and Chemistry (SCI), 2014
- 4) **Tran, T. D.** and Y. K. Kwon. "*The relationship between modularity and robustness in signaling networks*", Journal of the Royal Society Interface (SCI), 2013.
- 5) **Tran Tien Dung**, "*A model for optimal coordination of traffic lights in Hanoi*", Journal of Science & Technology, ISSN 1859-3585, 2010
- 6) Doan Van Ban, **Tran Tien Dung**, Doan Van Trung, "*Building genetic algorithm for the problem automatically generating optimal examination paper*", Proceedings of the National conference "Selected

problems of Technology information: E-learning theme "Da Nang, August 2004, Publisher of Science and Technology, 2005.

7. Projects and applied productions

- 1) "A 5-year prospective study on type 2 diabetes and metabolic syndrome in Vietnamese: role of genetic and lifestyle-related factors", National Foundation for Science & Technology Development, 2016 – 2018.
- 2) "Developing a workflow analysis technology based on complex network model", Hanoi University of Industry, 2016.
- 3) "A calculation and simulation software of biological networks", University of Ulsan, South Korea, 2011 – 2014
- 4) "Some improvement of modeling techniques applied in science and technology", Hanoi University of Industry, 2007 – 2009.
- 5) "Graphically programming language EGRAP", Hanoi University of Technology, 2001 – 2002.
- 6) "Solution of copyright protection software according to RSA encryption model", scientific research project, Hanoi University of Technology, 2001 – 2002.
- 7) "Accounting software system ERP", Nhan Thanh company, 2006-2009.
- 8) "Software generates the examination paper for essay and test according to multi-objective optimization", Hanoi University of Industry, 2003 – 2005.

8. Committee member of conferences

- 1) 2016 IEEE Sixth International Conference on Communications and Electronics (IEEE ICCE - www.icce-2016.org), Halong, Vietnam, Jul 2016.
- 2) The 2016 3rd National Foundation for Science and Technology Development Conference on Information and Computer Science (NICS - www.nafosted-nics.org), Danang, Vietnam, Sept 2016.
- 3) The 2016 National Conference on Electronics, Communications, and Information technology (REV-2016 - conf.rev.org.vn) Hanoi, Vietnam, Dec 2016.

9. Teaching

No.	Subject name	No.	Subject name
1	Fundamental Software Engineering	6	Social network analysis
2	Software project management	7	Bioinformatics
3	Programming with C/C++	8	Soft computing
4	Programming with C#.NET		
5	Software design		

10. Postgraduate students

- 1) **Nguyen Minh Tan**, PhD student of Information Systems, VNU University of Engineering and Technology, *Research topic: Mining genomic data relevant to genetic diseases*, 2015 – now.
- 2) **Hoang Anh Thao**, Master of Information Systems, Posts and Telecommunications Institute of Technology, *Thesis title: Systematical controllability analysis of a training management information system in Academy of Journalism & Communication*, 2015 (defended)
- 3) **Tran Anh Tuan**, Master of Information Systems, Military Technical Academy, *Thesis title: Stock index analysis by Bayesian network*, 2015 (defended)

Ha Noi, 10/2016