

PERSONAL INFORMATION	Email: dangtv18@gmail.com , dangtv@nii.ac.jp Skype: dangtv18 Homepage: https://dangtv.github.io Gender: Male Nationality: Vietnamese	
RESEARCH INTERESTS	Databases, Query Languages, Programming Languages, Program Transformation, Bidirectional Transformation.	
EDUCATION	Ph.D. student <i>Department of Informatics (National Institute of Informatics), School of Multidisciplinary Sciences, The Graduate University for Advanced Study, SOKENDAI, Japan</i> <ul style="list-style-type: none">• Supervisor: Prof. Zhenjiang Hu	October 2017 - Present
	B.Sc. in Information Technology <i>Center for Training of Excellent Students, School of Information and Communication Technology, Hanoi University of Science and Technology, Vietnam</i>	September 2012 - August 2017
WORK EXPERIENCE	JSPS Research Fellowship for Young Scientists Research Assistant	April, 2022 – Present November, 2017 – March, 2022
PROJECTS	BIRDS Designing and implementing a fundamental framework for programming update strategies on relational views [project webpage] [source code]	2018 – Present
PUBLICATIONS	Conference publications <ol style="list-style-type: none">1. Van-Dang Tran, Hiroyuki Kato, Zhenjiang Hu. Toward Recursive View Update Strategies on Relations. In <i>Proceeding of Ninth International Workshop on Bidirectional Transformations (Bx 2021)</i>, Online, 2019.2. Van-Dang Tran, Hiroyuki Kato, Zhenjiang Hu. A Counterexample-Guided Debugger for Non-Recursive Datalog. In <i>The 18th Asian Symposium on Programming Languages and Systems (APLAS 2020)</i>, Fukuoka, Japan, 2020.3. Van-Dang Tran, Hiroyuki Kato, Zhenjiang Hu. BIRDS: Programming view update strategies in Datalog. In <i>46th International Conference on Very Large Data Bases (VLDB 2020)</i>, Demonstration, Tokyo, Japan, 2020.4. Van-Dang Tran, Hiroyuki Kato, Zhenjiang Hu. BIRDS: Programmable View Update Strategies on Relations. In <i>46th International Conference on Very Large Data Bases (VLDB 2020)</i>, Tokyo, Japan, 2020.5. Xing Zhang, Van-Dang Tran, Kato, Zhenjiang Hu. A Cheap Implementation of Resugaring in BIRDS Based on Bidirectional Transformation. In <i>Fourth Workshop on Software Foundations for Data Interoperability (SFDI 2020)</i>, Tokyo, Japan, 2020.6. Jumpei Tanaka, Van-Dang Tran, Zhenjiang Hu. Toward Programmable Strategy for Co-existence of Relational Schemes. In <i>Fourth Workshop on Software Foundations for Data Interoperability (SFDI 2020)</i>, Tokyo, Japan, 2020.	

7. Van-Dang Tran, Hiroyuki Kato, Zhenjiang Hu. A Declarative Framework for Updatable Views in Relational Databases. In *Proceeding of the WebDB Forum 2019*, p. 85-88, Tokyo, Japan, Sep 2019. (Best student paper award)
8. Hoang-Long Huynh, Van-Dang Tran, Huu-Duc Nguyen, Zhenjiang Hu, Trong-Vinh Le, Quyet-Thang Huynh. Auto-updating Portable Application Model of Multi-cloud Marketplace through Bidirectional Transformations System. In *Proceeding of the 18th International Conference on Intelligent Software Methodologies, Tools, and Techniques (SOMET 2019)*, p. 11-24, Malaysia, Sep 2019. doi:10.3233/FAIA190035
9. Dang Tran, Nhuan Tran, Giang Nguyen and Binh Minh Nguyen. A Proactive Cloud Scaling Model Based on Fuzzy Time Series and SLA Awareness. In *Proceeding of the International Conference on Computational Science (ICCS 2017)*, vol. 108, p. 365-374, Switzerland, June 2017, ISSN: 1877-0509. doi:10.1016/j.procs.2017.05.121
10. Dang Tran, Nhuan Tran, Binh Minh Nguyen and Hieu Le. PD-GABP - A Novel Prediction Model Applying for Elastic Applications in Distributed Environment. In *Proceeding of the 3rd National Foundation for Science and Technology Development Conference on Information and Computer Science*, p. 240-245, Danang, Vietnam, 2016, ISBN: 978-1-5090-2100-0/16. doi:10.1109/NICS.2016.7725658
11. Binh Minh Nguyen, Dang Tran and Quynh Nguyen. A strategy for server management to improve cloud service QoS. In *Proceeding of the IEEE/ACM 19th International Symposium on Distributed Simulation and Real Time Applications (DS-RT)*, p. 120-127, Chengdu, China, Oct 2015. doi:10.1109/DS-RT.2015.14

Journal publications

12. Cuong Ha, Van-Dang Tran, Linh Ngo Van, and Khoat Than. Eliminating overfitting of probabilistic topic models on short and noisy text: The role of dropout. *International Journal of Approximate Reasoning*, vol. 112, p. 85-104, 2019, ISSN: 0888-613X. doi:10.1016/j.ijar.2019.05.010.
13. Giang Nguyen, Binh Minh Nguyen, Dang Tran, and Ladislav Hluchy. A heuristics approach to mine behavioral data logs in mobile malware detection system. *Data & Knowledge Engineering*, vol. 115, p. 129-151, 2018, ISSN: 0169-023X. doi:10.1016/j.datak.2018.03.002.
14. Binh Minh Nguyen, Dang Tran and Giang Nguyen. Enhancing service capability with multiple finite capacity server queues in cloud data centers. *Cluster Computing*, vol. 19(4), p. 1747-1767, 2016, ISSN: 1573-7543. doi:10.1007/s10586-016-0653-y.

LANGUAGES

Vietnamese – Mother tongue
English – Proficient user

SKILLS

Communication skills

- Teamwork:
 - Worked in a variety of research teams such as [Programing Research Laboratory](#), [High Performance Computing Centre](#), and [Data Science Laboratory](#).

Professional skills

- Good ability to research independently with a strong mathematical background.
- Methodology for compilers, web applications/services and data engineering.
- Variety of tools:
 - Operating systems: GNU/Linux, Windows.
 - Programming languages: Python, Ocaml, JS, Java, C/C++, C#.
 - Proof assistant tools: Lean, Z3.

- Markup languages: HTML/CSS.
- Database: PostgreSQL.
- IDE: Visual Studio, IntelliJ Idea.
- Office Tools: Latex, MS Office, etc.

AWARDS

- **Best Student Award** March 17, 2020
From National Institute of Informatics.
- **Best Student Paper Award** September, 2019
In [WebDB Forum](#) 2019.
- **MEXT Honors Scholarship** October, 2017 - March, 2018.
From The Japan Student Services Organization (JASSO)
- **Third Prize** May 2016
In 33rd Student Conference of Scientific Research, Hanoi University of Science and Technology
- **Encouraging Prize** May 2015
In 32rd Student Conference of Scientific Research, Hanoi University of Science and Technology.
- **FUYO scholarship** March 2015
From the FUYO Foundation (under FUYO Group) of Japan.
- **First Prize** April 2013
In 21st National Mathematics Olympiad for Students organized by Ministry of Education and Training and Vietnam Mathematical Society.
- **Second Prize** April 2013
In 16th National Physics Olympiad for Students organized by Ministry of Education and Training, Vietnam Physical Society and Vietnam Union of Scientific & Technological Associations.
- **Hoa Trang Nguyen Award** September 2012
From Ministry of Education and Training, Vietnam National University and Tan Tao University.

REFERENCES

Upon request