Van-Dang TRAN *Curriculum vitae*

PERSONAL INFORMATION	Email: dangtv18@gmail.com, dangtv@nii.ac.jp Skype: dangtv18 Homepage: https://dangtv.github.io Gender: Male Nationality: Vietnamese
RESEARCH INTERESTS	Database, Bidirectional Transformation, Functional Programing, Distributed System, Data Processing

EDUCATION

PhD student — October 2017 - present
Department of Informatics (*National Institute of Informatics*),
School of Multidisciplinary Sciences,
The Graduate University for Advanced Study, SOKENDAI, Japan
- *Supervisor*: Prof. Zhenjiang Hu

B.Sc. in Information Technology — August 2017
Center for Training of Excellent Students,
School of Information and Communication Technology,
Hanoi University of Science and Technology, Vietnam

WORK EXPERIENCE

Research Assistant — November 2017 – Present
Programing Research Laboratory, *National Institute of Informatics*, Japan
- *Supervisor*: Prof. Zhenjiang Hu

Research Assistant — October 2014 – May 2017
High Performance Computing Centre (HPCC), *International Research Institute for Computational Science and Engineering* (ICSE), *Hanoi University of Science and Technology* (HUST), Vietnam
- *Supervisor*: Dr. Binh Minh Nguyen

PUBLICATIONS

Journal publications

1. Cuong Ha, <u>Van-Dang Tran</u>, 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.

2. Giang Nguyen, Binh Minh Nguyen, <u>Dang Tran</u>, 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.

3. Binh Minh Nguyen, <u>Dang Tran</u> 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.

Conference publications

4. <u>Van-Dang Tran</u>, Hiroyuki Kato, Zhenjiang Hu. A Declarative Framework for Updatable Views in Relational Databases. In proceeding of *WebDB Forum 2019*, p. 85-88, Tokyo, Japan, Sep 2019. (Best student paper award)

5. Hoang-Long Huynh, <u>Van-Dang Tran</u>, 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 *18th International Conference on Intelligent Software Methodologies, Tools, and Techniques (SOMET 2019)*, p. 11-24, Malaysia, Sep 2019. doi:10.3233/FAIA190035

6. <u>Dang Tran</u>, Nhuan Tran, Giang Nguyen and Binh Minh Nguyen. A Proactive Cloud Scaling Model Based on Fuzzy Time Series and SLA Awareness. In proceeding of *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

7. <u>Dang Tran</u>, Nhuan Tran, Binh Minh Nguyen and Hieu Le. PD-GABP - A Novel Prediction Model Applying for Elastic Applications in Distributed Environment. In proceeding of *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

8. Binh Minh Nguyen, <u>Dang Tran</u> and Quynh Nguyen. A strategy for server management to improve cloud service QoS. In proceeding of *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

LANGUAGES

Vietnamese – Mother tongue
English – Proficient user

PERSONAL SKILLS

Communication skills
- Teamwork: Worked in a variety of research teams such as 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: Java, Python, JS, Ocaml, C/C++, C#.
  - Markup languages: HTML/CSS.
  - Database: PostgreSQL.
  - IDE: Visual Studio, IntelliJ Idea.
  - Office Tools: Latex, MS Office, etc.

AWARDS

- **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.

TRAINING COURSES
- Cloud Service Business course May 2016
  Organized by Korea Advanced Institute of Science and Technology along with the Korean Ministry of Science, ICT and Future Planning.
  Received the certificate from KAIST.
- Summer School on Statistical Machine Learning August 2015
  Organised by Vietnam Institute for Advanced Study in Mathematics.
  Received the certificate from VIASM.

REFERENCES

Prof. Zhenjiang Hu
Professor,
Head of *Programing Research Laboratory*,
National Institute of Informatics (NII) E-mail: hu@nii.ac.jp

Dr. Binh Minh Nguyen
Researcher & Lecturer,
Hanoi University of Science and Technology E-mail: minhnb@soict.hust.edu.vn