

Huynh Tu Dang

CONTACT INFORMATION

Faculty of Informatics
Università della Svizzera italiana
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RESEARCH INTERESTS

Software Defined Networking, Distributed Systems, Programming Languages

EDUCATION

Università della Svizzera italiana, Lugano, Ticino Switzerland

Ph.D. Candidate, Informatics, September 2014 (expected graduation date: 2018)

- Dissertation Topic: “CAANS: Consensus As A Network Services”
- Advisor: Robert Soulé
- Co-advisor: Fernando Pedone

Polytech Nice, Sophia Antipolis, Nice, France

M.S. Informatics, September 2012

- Master Thesis: “Higher SLA Satisfaction in Datacenters with Continuous VM Placement Constraints”
- Advisor: Fabien Hermenier

Ho Chi Minh International University (HCMIU), Ho Chi Minh, Vietnam

B.S. Computer Science, September 2006

HONORS AND AWARDS

Silver Medal in Information Technology Graduation Batch, 2010

Full scholarship for the Master of Science in Ubiquitous Networking and Computing, Sophia Antipolis, France, 2012

Full scholarship for the IT Master Program of International University, 2011

University scholarships for excellent study results, 2006-2010

ACADEMIC EXPERIENCE

Università della Svizzera italiana, Lugano, Ticino Switzerland

Graduate Student

September, 2014 - present

Includes current Ph.D. research, Ph.D. and Masters level coursework and research/consulting projects.
Lead weekly system reading group.

Teaching Assistant

September, 2014 - present

Responsible for creating and grading programming assignments, quizzes, and supervision of discussion forums.

Enterprise Resource Planning, 2014,2015

Data Management, 2015

Advanced Networking, 2016

Ho Chi Minh International University (HCMIU), Ho Chi Minh, Vietnam

Teaching Assistant

September, 2010 - September 2012

Responsible for creating and grading programming assignments, quizzes.

Operating System, 2012

C/C++ Programming in Linux, 2011

Object-Oriented Programming, 2011
 Distributed System, 2011
 Data Structure & Algorithms, 2010

PUBLICATIONS

H.T. Dang, H. Wang, T. Jepsen, G. Brebner, C. Kim, J. Rexford, R. Soule, and H. Weatherspoon *Whippersnapper: A P4 Language Benchmark Suite* 3rd ACM Sigcomm Symposium on SDN Research (SOSR' 17), Apr. 2017

H. Wang, R. Soule, H.T. Dang, K.S. Lee, V. Shrivastav, N. Foster, and H. Weatherspoon *P4FPGA: A Rapid Prototyping Framework for P4* 3rd ACM Sigcomm Symposium on SDN Research (SOSR' 17), Apr. 2017

T. Jepsen, L.P. Sousa, H.T. Dang, F. Pedone, R. Soule. *Optimistic Aborts for Geo-distributed Transactions*. Technical report, Oct. 2016

H. Tu Dang, P. Bressana, H. Wang, K. Suh Lee, H. Weatherspoon, M. Canini, F. Pedone and R. Soule *Network Hardware-Accelerated Consensus*. Technical report, May 2016

H.T. Dang, M. Canini, F. Pedone, and R. Soule. *Paxos Made Switch-y*. SIGCOMM Computer Communication Review (SIGCOMM CCR), Apr. 2016

H.T. Dang, D. Sciascia, M. Canini, F. Pedone, and R. Soule. *NetPaxos: Consensus at Network Speed*. 1st ACM Sigcomm Symposium on SDN Research (SOSR' 15), Jun. 2015, USA

H.M. Tran, S.V.U. Ha, T.H. Dang, K.V. Huynh. *Fault Resolution System for Inter-Cloud Environment*. Journal of Mobile Multimedia, 10(1&2): 16-29, Rinton Press, 2014.

H.T. Dang, F. Hermenier. *Higher SLA Satisfaction in Datacenters with Continuous VM Placement Constraints*. 9th Workshop on Hot Topics in Dependable Systems, Nov. 2013, USA

H.T. Dang, H.M. Tran, P.N. Vu, and A.T. Nguyen. *Applying MapReduce Framework to Peer-to-Peer Computing Applications*. ICCCI 2012, Ho Chi Minh City, Nov. 2012. Springer LNAI 7654

H V Pham, H.T. Dang. *A Cloud-Based HPC Cluster Model for Academic Institution*. Journal of Science and Technology, Vietnamese Academy of Science and Technology, 2011

CONFERENCE PRESENTATIONS

CAANS: Consensus As A Network Service, SIGCOMM, August 2016

CAANS: Consensus As A Network Service, Netronome Summer Webinar Series, July 2016

NetPaxos: Consensus at Network Speed, SOSR 2015, July 2015

PROFESSIONAL EXPERIENCE

ISE-Lab, VNU Ho Chi Minh, Vietnam

Internship

Subject: *Web Security and SQL Injection*.

June 2009 - August 2009

INRIA Sophia Antipolis Nice, France

Internship

Subject: *Energy efficient algorithm for VM placement in datacenter*.

March 2013 - August 2013

- COMPUTER SKILLS
- Statistical Packages: R, Pandas
 - Languages: C/C++, Python, Bluespec, Bash, \LaTeX
 - Hot Technologies: SDN, OpenFlow, P4, DPDK
 - Operating Systems: Mac OS X, Unix/Linux, Windows.
 - Certifications: Oracle JAVA SE 7 Programmer, Microsoft System Administrator (MCSA), VMWare VCA-Cloud, VCA-DCV (Data Center Virtualization)