Dr. Hong-Linh Truong

PERSONAL DATA

WWW	http://truong.rdsea.io
Email	truong@rdsea.io
Language	Vietnamese, English, German
Location	Helsinki, Finland & Vienna, Austria

EDUCATION

2013	Habilitation (Venia Docendi), Practical Computer Science, TU Wien, Austria
2005	Dr.techn./PhD, Computer Science, Vienna University of Technology (TU Wien), Austria
1998	Engineer, Computer Science and Engineering, HoChiMinh City University of Technology, Vietnam

ACADEMIC POSITIONS

2018 - present	Associate Professor, Aalto University, Finland
2019 - present	Adjunct Associate Professor, TU Wien, Austria
2013 - 2019	Assistant Professor, TU Wien, Austria
2007 – 2013	Senior Researcher, TU Wien, Austria
2005 - 2007	Post-doctoral researcher, University of Innsbruck, Austria
2000 - 2005	Researcher, University of Vienna, Austria
1998 - 2000	Assistant Lecturer/Researcher, HoChiMinh City University of Technology, Vietnam
	Systems & Networks Consultant, HoChiMinh City University of Technology, Vietnam

INDUSTRIAL & CONSULTING POSITIONS

2017 - present	Scientific Advisor, LARION, Vietnam
2016 - 2018	Cofounder & Director, IoT & Big Data Analytics Lab (www.inacomputing.com), Vietnam
2017 - present	Consultant

VISITING POSITIONS/APPOINTMENTS

Jul, 2018	Visiting Professor, Fudan University
Sep, 2017	Visiting Faculty, University of Southern California
Jul – Aug, 2017	Visiting Scholar, University of California, Irvine
2016, 2017	Visiting Professor, HoChiMinh City University of Technology
Mar 2017	Visiting Researcher, National Institute of Informatics, Japan
Jul, 2016	Visiting Professor, DaNang University of Science and Technology
Jul, 2016	Visiting Researcher, University of Chicago/Argonne National Laboratory
Mar, 2016	Visiting Researcher, Shenzen University
May, 2014	Visiting Researcher, Lund University
Mar-May, 2010	Visiting Researcher, Stuttgart Research Centre for Simulation Technology and Cluster of Excellence Simulation Technology, University of Stuttgart

MOST IMPORTANT SCIENTIFIC AWARDS AND HONORS

- Best paper award, 13th IEEE International Conference on Services Computing (SCC 2016), June 26 - July 2, 2016, San Francisco, USA
- Best student paper award, 1st IEEE International Conference on Collaboration and Internet Computing, October 28 - October 30, 2015, Hangzhou, China
- Best paper award, 12th International Conference on Service Oriented Computing (ICSOC 2014), November 3-6, 2014, Paris, France
- Outstanding Paper Award 2013, International Journal of Web Information Systems, Emerald
- Best paper award, 10th International Conference on Service Oriented Computing (ICSOC 2012), November 12-16, 2012, Shanghai, China
- Best paper award, 24th International Conference on Advanced Information Systems Engineering (CAiSE~12), 25-29, June, 2012, Gdansk, Poland.
- Best paper award, The 5th European Conference on Smart Sensing and Context (EuroSSC), 14 - 16 November 2010, Passau, Germany.

RESEARCH AND TEACHING ACTIVITIES

Main Research Focus: is in the field of distributed systems and distributed computing. Main research interest focuses are Software, Data, Systems and Service Engineering Analytics. Main sub-areas of my research are: Monitoring, Analysis and Optimization Techniques for Programs, Data and Systems; Cloud Computing; IoT; Big Data; Data Service Models and Analytics; Socio-technical Services Engineering; and Elastic Computing. I am also interested in ICT solutions for (under) developing countries.

Research citations: Total citations: **4628**, h-index: **35**, i10-index: **104** (Google scholar on 25.05.2019)
Research team and prototype: http://rdsea.github.io
Completed PhD students: 6 (co-supervisor) and **1** unofficial co-supervisor

Main teaching courses: Big Data Platforms, Advanced Services Engineering, Distributed Systems, Distributed Systems Technologies, and Advanced Topics in Service-Oriented Computing and Cloud Computing, at Bachelor, Master and PhD levels.

SELECTED INVITED TALKS/TUTORIALS

- "Dynamic IoT Data, Protocol, and Middleware Interoperability with Resource Slice Concepts and Tools", Tutorial, The 8th International Conference on the Internet of Things (IoT 2018), October 15-18, 2018, Santa Barbara, California, USA.
- "Managing and Testing Ensembles of IoT, Network functions, and Clouds", Center for Cyber-Physical Systems and Internet of Things, University of Southern California, 21 Sep, 2017
- "Provisioning Application-oriented Slices of IoT, Network functions, and Clouds: Necessity, Feasibility, and Possible Tools?", IBM Research Almaden, San Jose, 6 April, 2017, USA
- "Modeling and Testing Uncertainties in Application-oriented Slices of IoT, Network functions, and Clouds", Ericsson R & D, 13 June, 2017, Bangalore, India
- "On Service Engineering Analytics for IoT Clouds - Techniques and New Directions", The 2016 International Symposium on IoT Systems, Services and Analytics for Developing Worlds (ISSA-DW2016), Hanoi University of Science and Technology, Hanoi, Vietnam, 4 Aug 2016
- "Challenges and Techniques for Engineering Analytics of Elastic IoT Cloud Systems", College of Computer Science and Software Engineering, Shenzhen University, Mar 9, 2016

MOST IMPORTANT RESEARCH PROJECTS

*In overall, as a (co)principal investigator, I have contributed to the acquisition of ca. **€ 2.3M** funding for TU Wien (from a total value in exceed of **€ 27.5M** funding for the involved projects). I have extensive experiences working with industries through several Austrian, European Commission and European Space Agency funded projects and other types of collaborations.*

- Principal Investigator, AlPS - Analytics, Privacy, and Security for IoT and Big Data, partially funded by ASIA-UNINET, 2016
- Principal Investigator, HAIVAN: Strengthening Critical IoT Software Development and Training in Highly Volatile and Unreliable Environments, partially funded by ASIA-UNINET, 2016.
- Principal Investigator, U-Test Testing Cyber-Physical Systems under Uncertainty: Systematic, Extensible, and Configurable Model-based and Search-based Testing Methodologies, H2020 project
- Co-Principal Investigator, Smart Society – Hybrid and Diversity-Aware Collective Adaptive Systems: When People Meet Machines to Build a Smarter Society, EU FET-IP
- Co-Principal Investigator, CELAR: Automatic, multi-grained elasticity-provisioning for the Cloud, EU FP7 STREP
- Co-Principal Investigator, Pacific Control Cloud Computing Lab (pc3l.infosys.tuwien.ac.at), 2011-2014

SELECTED INDUSTRIAL PROJECTS AND TRAINING

- Mobifone Networks - Central Vietnam, Big Data, 2016, 2017
- Pacific Controls Cloud Computing Lab, 2011-2014
- European Space Agency, Collaborative Online Desktop Engineering and Management, 2010-2012
- European Space Agency, Semantic Space Study, 2010

MOST IMPORTANT PROFESSIONAL SERVICES

- Program co-chair, 9th International Conference Service Oriented Computing and Applications (SOCA 2016), Nov 4-6 2017 , Macau, China
- PhD Doctoral Symposium Co-chair, The 8 IEEE International Conference on Service Oriented Computing and Applications (SOCA 2015)
- Program vice chair, 7th International Conference Service Oriented Computing and Applications (SOCA 2014), Nov 17-19 2014, Matsue, Japan
- Panel co-chair, International Conference on Service-oriented Computing (ICSOC 2014), Nov 3-6 2014, Paris, France
- Vice chair, Topic 2: Performance Prediction and Evaluation, Euro-Par 2009

PUBLICATIONS

*I have published **ca. 200** journals and conferences papers. The full list of publications is available at http://dsg.tuwien.ac.at/staff/truong/publications*