Dr. Hong-Linh Truong   Researcher, Educator, and Consultant

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ACADEMIC POSITIONS

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

INDUSTRIAL & CONSULTING POSITIONS

- Co-founder, Solint Oy, Finland (2020 – present)
- Scientific Advisor, LARION, Vietnam (2017-2019)
- Cofounder & Director, IoT & Big Data Analytics Lab, Vietnam (2016 – 2018)
- Consultant/Trainer for various customers in digital transformation, big data, cloud computing, IoT/edge, and machine learning engineering (2017 – present)

EDUCATION

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

VISITING POSITIONS & APPOINTMENTS

- Visiting Professor, Fudan University (2018)
- Visiting Faculty, University of Southern California (2017)
- Visiting Scholar, University of California, Irvine (2017)
- Visiting Professor, Ho Chi Minh City University of Technology (2016, 2017)
- Visiting Researcher, National Institute of Informatics, Japan (2017)
- Visiting Professor, Da Nang University of Science and Technology (2016)
- Visiting Researcher, University of Chicago/Argonne National Laboratory (2016)
- Visiting Researcher, Shenzen University (2016)
- Visiting Researcher, Lund University (2014)
- Visiting Researcher, Stuttgart Research Centre for Simulation Technology and Cluster of Excellence Simulation Technology, University of Stuttgart (2010)

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

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Service Engineering Analytics. Main sub-areas of my research are Monitoring, Analysis and Optimization Techniques for Large-scale Programs, Data and Systems, Cloud Computing, IoT, Edge computing, Big Data, Data Service Models and Analytics, Machine Learning System Engineering, Socio-technical Services Engineering, and Elastic Computing. I am also interested in ICT solutions for (under) developing countries.

Main teaching courses: Big Data Platforms, Advanced Topics in Software Systems, Research Project in Machine Learning and Data Science, 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 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, INTER–HINC: Interoperability through Harmonizing IoT, Network Functions and Clouds, funded by EU
- 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

SCIENTIFIC PUBLICATIONS

*I have published **ca. 200** journals and conferences papers. The list of publications can be seen from*
https://scholar.google.com/citations?user=juCwRycAAAAJ&hl=en