

CURRICULUM VITAE

Hong-Linh TRUONG

Date: January 11, 2018

PERSONAL INFORMATION

Year & Place of Birth: 1975, Hoa Vinh, Phu Yen, Vietnam.
Nationality: Austrian
Marital status: Married, 2 children (2007 & 2010)
Languages: Vietnamese, English, German
Affiliation: Faculty of Informatics
TU Wien (Vienna University of Technology)
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Google Scholar <https://scholar.google.com/citations?user=juCwRycAAAAJ>
h-index =33, i-index=91, citations =4045 (January 11, 2018)
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EDUCATION

Apr, 2013 Habilitation (venia docendi), Practical Computer Science, Vienna University of Technology
Mar, 2005 Awarded PhD degree with distinction, Computer Science, Vienna University of Technology
Apr, 2001 – Mar 2005 Ph.D. study, Vienna University of Technology, Austria
Study Ph.D. courses at Vienna University of Technology and University of Vienna
Dissertation supervisor : Prof. Dr. Thomas Fahringer
Dissertation title: *Novel Techniques and Methods for Performance Measurement, Analysis and Monitoring of Cluster and Grid Applications*
Apr, 1998 Awarded University Degree of Engineer, Computer Science and Engineering, Ho Chi Minh City University of Technology, Vietnam
Thesis title: *Building a Distributed and Parallel Programming Tool*
Sep 1993 – Mar 1998 Studies in Computer Science and Engineering at the Faculty of Information Technology (now: Faculty of Computer Science and Engineering), Ho Chi Minh City University of Technology (now: BachKhoa University), Vietnam
Jun 1993 Baccalaureate (High School Diploma)
Sep 1990 – Jun 1993 Luong Van Chanh High School, Phu Yen, Vietnam (special class for talented students in physics)

PROFESSIONAL TRAINING

- Social Competence: New in Leadership
- Legal Competence: Workshop for (new) Managers

- Social Competence: Delegation and Goal Agreement – Motivation and Successful Discussion with Employees
- Social Competence: Team Dynamics and Communication in Conflicts and Crises
- Coaching for Lecturers: Preparing Efficiency, Acting Confidence and Maintaining Enthusiasm
- Didactics Basics: Fit for Teaching

EMPLOYMENT

May present	2013	–	Priv.-Doz. & Assistant Professor, Distributed Systems Group, Faculty of Informatics, TU Wien
Mar 2013	2007	–	Apr Senior Researcher, Distributed Systems group, Institute of Information Systems, Faculty of Informatics, TU Wien (Vienna University of Technology)
Mar 2007	2005	–	Feb Post-doc, Distributed and Parallel Systems group, Institute of Computer Science, University of Innsbruck, Austria
Nov 2005	2000	–	Feb, Researcher, Software Science group, Institute for Scientific Computing, University of Vienna, Austria
Apr 2000	1998	–	Nov Assistant Lecturer/Researcher, Faculty of Information Technology, Ho Chi Minh City University of Technology, Vietnam
1998	– 2000		Systems & Networks Consultant, Ho Chi Minh City University of Technology, Vietnam

STARTUP INITIATIVES & INDUSTRY WORK

2017 – present	Scientific Advisor, LARION (www.larion.com), HoChiMinh City, Vietnam
2017 – present	Co-founder and Director, I & A Computing Lab, HoChiMinh City, Vietnam

VISITING RESEARCH SCHOLAR & PROFESSOR

Sep, 2017	Visiting Scholar, University of Southern California, USA
Jul-Aug, 2017	Visiting Scholar, University of California, Irvine, USA
Mar, 2017	Visiting Researcher, National Institute of Informatics (NII), Japan
Feb–Mar, 2017	Visiting Professor, Bach Khoa University, Vietnam
Jul, 2016	Visiting Professor, Da Nang University of Science and Technology, Vietnam
Jul, 2016	Visiting Researcher, Computation Institute, University of Chicago & Argonne National Laboratory, USA
Mar, 2016	Visiting Researcher, Shenzhen University, China
May, 2014	Visiting Researcher, Lund University, Sweden
Mar–May 2010	Visiting Researcher, Stuttgart Research Centre for Simulation Technology and Cluster of Excellence Simulation Technology (SimTech), University of Stuttgart, Germany

AWARDS

2016	Best Paper Award, 3rd International Conference on Data and Software Engineering (ICoDSE 2016), October 26th-27th, 2016, Bali, Indonesia
2016	Best Paper Award, 13th IEEE International Conference on Services Computing (SCC 2016), June 27 - July 2, 2016, San Francisco, USA
2015	Best student paper award, 1st IEEE International Conference on Collaboration and Internet Computing, October 28 - 30, 2015, Hangzhou, China

2014	Best paper award, 12th International Conference on Service Oriented Computing (ICSOC 2014), November 3-6, 2014, Paris, France
2013	Outstanding Paper Award 2013, International Journal of Web Information Systems, Emerald
2012	Best paper award, 10th International Conference on Service-oriented Computing (ICSOC 2012), 12-15 November, 2012, Shanghai, China
2012	Best runner-up paper award, 10th International Conference on Service-oriented Computing (ICSOC 2012), 12-15 November, 2012, Shanghai, China
2012	Best paper award, 24th International Conference on Advanced Information Systems Engineering (CAiSE'12), 25-29, June, 2012, Gdansk, Poland.
2010	Best paper award, The 5th European Conference on Smart Sensing and Context (EuroSSC), 14 - 16 November 2010, Passau, Germany.
2005	Best poster award, European Grid Conference 2005 (EGC2005), February 14-16, 2005, Amsterdam, The Netherlands.

TEACHING AND SUPERVISING EXPERIENCE

TU Wien (Mar, 2007–present):

Main Teaching Courses	Distributed Systems Technology, Master level (2014 – present)
	Advanced Services Engineering, Master/PhD level (2012 – present)
	Advanced Topics in Service-Oriented Computing and Cloud Computing, Master/PhD level (2010, 2011, 2015–present)
	Seminar on Distributed Systems, Master level (2008 – present)
	Seminar for PhD and Master thesis, PhD/Master level (2013 – present)
	Distributed Systems, Bachelor level (2013 – 2014)
	Scientific Works, Bachelor level (2017 – present)
	Project Practice (2008 – present)
	Informatics Practice I & II (2008 – present)
	Practice on Internet Computing (2008 – present)
	Context-aware Computing (special course for Vienna PhD School of Informatics, WS 2009)
	Advanced Concepts in Distributed Systems Research, for Vienna PhD School of Informatics (2011, 2012)
Member of Doctoral Schools	URBEM – Urban Energy and Mobility System, TU Wien, 2014–2016
	Environmental Informatics, TU Wien, 2012–2014
Complete PhD Students	Muhammad Candra, Georgiana Copil, Atif Manzoor, Daniel Moldovan, Stefan Nastic, and Ognjen Scekcic (all: co-supervisor)
Current PhD Students	Mirela Riveni (co-supervisor), Duc-Hung Le
Postdoc Supervision	Bunjamin Memishi (2017– present), Luca Berardinelli (2017–present), Georgiana Copil (2016), Daniel Moldovan (2016), Ognjen Scekcic (2016)
Research Visitors	Dr. The-Vu Tran, Da Nang University of Science and Technology (2017), Dr. Huu-Hung Hoang, Da Nang University of Science and Technology (2017), Dr. Fei Chen, Shenzhen University (2014); Dr. Tran-Vu Pham, Ho Chi Minh City University of Technology (July 2011); Dr. Khanh-Hoa Dam, University of Wollongong (August 2012)

PhD Internships	Antonio Manuel Gutierrez Fernandez, University of Seville (2015); Stefano Mariani, University of Bologna (2014), Aitor Murguzur, IK4-Ikerlan Research Center and Mondragon University (2013 & 2014); Gangadharan G.R., University of Trento (July-September 2007); Marco Comerio, Università degli Studi di Milano-Bicocca (June-July, 2009); Michael Reiter, IAAS and SIMTECH, University of Stuttgart (November 2010, February 2012)
Complete Master Theses	Florin Balint: Negotiating, Monitoring and Recommending Data Contracts in IoT Dataspaces. Graduation: 2017, TU Wien Juraj Cik: Software-defined Elastic Systems Management in Multi-cloud Environments. Graduation: 2015, TU Wien Philipp Zeppezauer: Virtualizing Communications for Hybrid and Diversity-Aware Collective Adaptive Systems. Graduation: 2015, TU Wien Armin Gruber: Hypergraph models for service ecosystems in the Vienna Elastic Computing Model. Co-supervisor: S Dustdar. Graduation: 2013 Andrea Happe: Agile Provenance. Co-supervisor: S. Dustdar, L. Juszczak. Graduation: 2010 Johannes M. Schleicher and Christian H. Inzinger: Towards a distributed Concept Search Framework for Specialized Domains. Co-supervisor: Schahram Dustdar. Graduation: 2010.
Current Master students	Manfred Halper, Peter Klein, Christian Proinger, Daniel Hofer, Matthias Karan, Lingfan Gao, Michael Hammerer

University of Innsbruck (Mar, 2005 – Feb, 2007):

Bachelor Thesis	Waldemar Hummer (on Web Services Distributed Management)
Research Master Students	Robert Samboski (on dependability monitoring and analysis) and Peter Brunner (on performance analysis of workflows)

Ho Chi Minh City University of Technology (1998-2000):

Teaching Courses	System Performance Evaluation, Network Programming, Computer Networks, Unix System Administration, Fundamentals of Programming, Practical Unix.
Thesis Supervision	Supervise fully 5 and partially 6 engineer's these in the following research areas: Parallel and Distributed Computing, Networking, Internet/Intranet Applications, Performance Analysis.

RESEARCH PROJECTS

Pending grants:

2017, EINS	PI, EINS: Provisioning Ensembles of IoT and Network Services, submitted to Austrian National Fund (FWF), €188K
2017, BIGSAM	Co-PI, BIGSAM: Big Data for Secure and Advanced Manufacturing, submitted to EU COST Action

Research grants:

2017-2018 INTER-HINC	PI, INTER-HINC: Interoperability through Harmonizing IoT, Network Functions and Clouds, funded by EU, €60K
2016-2017 AlpsLab	PI, Analytics, Privacy, and Security for IoT and Big Data, funded by ASEA-UNINET, €16.5K
2016-2017 BADAL-ING	PI, Basic Abstractions for Developing Advanced Models of IoT Network in the Edge, funded by EURASIA-PACIFIC UNINET, €4000

2016 – 2017 HAIVAN	PI, Strengthening Critical IoT Software Development and Training in Highly Volatile and Unreliable Environments, funded by ASEA-UNINET, €5600 for 2016 and €4200 for 2017.
2015 – 2017 U-Test	H2020 PI, Testing Cyber-Physical Systems under Uncertainty: Systematic, Extensible, and Configurable Model-based and Search-based Testing Methodologies, funded by EU, €348K for TU Wien (of €3.7M for the whole project)
2012 – 2016 SmartSociety FET	FP7 Co-PI, Hybrid and Diversity-Aware Collective Adaptive Systems: When People Meet Machines to Build a Smarter Society, funded by EU, €414K for Vienna University of Technology (of €5.3M for the whole project)
2012 – 2015 CELAR STREP	FP7 Co-PI, Automatic, multi-grained elasticity-provisioning for the Cloud, funded by EU, €441K for Vienna University of Technology (of €2.6M for the whole project)
2010 – 2011 SMAD	Co-PI, GMES Sentinel-1 Soil Moisture Algorithm Development, funded by the European Space Agency, €9.6K (of €100K for the whole project) for the Distributed Systems Group.
2010 – 2012 CODE	PI, Collaborative Online Desktop Engineering and Management, funded by the European Space Agency, €96K for Vienna University of Technology (of €300K for the whole project)
2010	Co-PI, Semantic Space Study, funded by the European Space Agency, €25K for Vienna University of Technology
2009 – 2012, ICT 08-032	WWTF Co-PI, Service-oriented Data Integration (2008 ICT Call), funded by the Vienna Science and Technology Fund, in total of €370K for Vienna University of Technology.
2008 – 2011 COIN IP	FP7 Co-PI, Enterprise Interoperability and Collaboration, funded by EU, €422K for Vienna University of Technology (of €9,996M for the whole project)
2008 –2010 COMMIUS	FP7 Co-PI, Community-based Interoperability Utility for SMEs, funded by the EU, €247K for Vienna University of Technology (of €2,6M for the whole project).

Other Research Project Roles and Activities:

2013–2017	Substitute Member of ACROSS - ICT COST Action project IC1304: Autonomous Control for a Reliable Internet of Services
Jan 2011 – Dec 2014	Pacific Controls Cloud Computing Lab Co-PI, Tasks and roles: technical lead on models and techniques for cloud-based sustainability governance
Nov 2011 – May 2012	ITFoM: IT Future of Medicine, EU ICT Flashship. Tasks and roles: associate research member
Mar 2007 – Feb 2009	inContext: Interaction and Context Based Technologies for Collaborative Teams, IST-034718, a 6th FP project funded by EU. Tasks and roles: member of the coordination team, technical lead
Sep 2006 – Aug 2009	WORKPAD: An Adaptive Peer-to-Peer Software Infrastructure for Supporting Collaborative Work of Human Operators in Emergency/Disaster Scenarios, FP6-2005-IST-5-034749, a 6th FP project funded by EU. Tasks and roles: lead architect and team leader for Vienna University of Technology
2008-2009	Invited expert, FP7 FORWARD Critical Systems Working Group (2008-2009).
Sep 2004 – Feb 2007	K-WfGrid: Knowledge-based Workflow System for Grid Applications, IST-2002-511385, a 6th FP project funded by EU

- Tasks and roles: architect, developer and technical lead for performance and monitoring of Grid workflows; deputy WP leader, a member of project technical board.
- 2004 – Feb 2007** Austrian Grid, funded by the Austrian Federal Ministry for Education, Science and Culture.
Tasks and roles: design and develop performance monitoring middleware for the Austrian Grid.
- Nov 2000 – Feb 2005** FWF AURORA (Advanced Models, Applications and Software Systems for High Performance Computing), funded by Austrian Science Fund, Institute for Scientific Computing, Software Science group, University of Vienna.
Tasks and roles: design and develop performance tools for parallel and Grid computing
- 2001 – 2004** Working Group on Automatic Performance Analysis: Real Tools, IST-2000-28077, a 5th FP project funded by EU.
Tasks and roles: contribute on research and development of performance analysis tools for cluster and grid computing.
- 1999 – 2000** Designing and Building a Magnetic Card system for Vietnam National University Ho Chi Minh city.
Tasks and roles: design and implement database systems, applications for magnetic card systems.
- 1998 – 2000** SUPERNODE Project (Researching & Developing a PC-based Supercomputer and Parallel Programming Tools), Faculty of Information Technology, Ho Chi Minh City University of Technology.
Task and roles: research and develop performance monitoring tool for cluster-based systems.
- 1998 – 1999** Designing and Developing the Information Networks of Vietnam National University Ho Chi Minh city.
Tasks and roles: design and build web server and proxy systems, monitoring and billing systems for web and mail services.

INSTITUTIONAL RESPONSIBILITIES and PHD COMMITTEE

- 2017** Member of the Habilitation committee for Dr. Sebastian Ordyniak, Faculty of Informatics, TU Wien
- 2016** Member of Faculty Search Committee for Security Professor, Faculty of Informatics, TU Wien
- 2016** PhD Committee members: Trung-Hieu Nguyen, "Virtual Machine Management for Efficient Cloud Data Centers with Applications to Big Data Analytics", Aalto University, Finland, August, 2016
- 2015** PhD Committee Chair, Stefan Resch, "Composability for Fail-Safe Safety-Critical Systems", TU Wien, Jan, 2015
- 2015** PhD Committee Member, Aitor Murguzur, "Dynamic Variability Support in Context-aware Workflow-based Systems", Mondragon University, Spain, July, 2015
PhD Committee Member, Jesus Garcia Galan, "Automating The support of Highly-Configurable Services", University of Seville, Spain, June 2015

PROFESSIONAL COMMUNITY SERVICES

Memberships of Scientific Societies:

- Member of the ACM and the IEEE.

Commissions of Trust

- Evaluator, Natural Sciences and Engineering Research Council of Canada, 2017
- Evaluator, European COST Action, 2016
- Evaluator, FCT (Foundation for Science and Technology), Portugal, 2011

Editorial Boards

- *Associate Editor*: International Journal of Cooperative Information Systems (2014-).
- *School director*: The Advanced School in Service-Oriented Computing (www.summersoc.eu), 2014-2015.

Conference/Workshop/Track Vice/Co-Chair:

- General vice-chair, The 10th IEEE International Conference on Service Oriented Computing and Application (SOCA 2017)
- Program co-chair, The 9th IEEE International Conference on Service Oriented Computing and Application (SOCA 2016)
- Steering Committee Chair, International Symposium on IoT Systems, Services and Analytics for Developing Worlds (ISSA-DW2016)
- PhD Doctoral Symposium Co-chair, The 8 IEEE International Conference on Service Oriented Computing and Applications (SOCA 2015)
- Program vice-chair, The 7th IEEE International Conference on Service Oriented Computing and Application (SOCA 2014)
- Panel co-chair, 12th International Conference on Service-oriented Computing (ICSOC 2014)
- Workshop co-chair, 2nd International Workshop on Service Clouds in the Enterprise and Beyond (co-located with ICSOC'13)
- Track chair, Service Oriented Pervasive Computing, The 4th International Conference on Emerging Ubiquitous Systems and Pervasive Networks October 21-24, 2013, Niagara Falls, Ontario, Canada
- Program-vice chair, Track chair of Context- and location-aware services, 10th International Conference on Mobile Web Information Systems (MobiWIS 2013), August 26-28, 2013, Paphos, Cyprus.
- Co-chair, the 5th International Workshop on Personalization in Cloud and Service Computing (PCS 2011), in conjunction with the 12th International Conference on Web Information System Engineering (WISE 2011), October 13-14, 2011, Sydney, Australia.
- Co-chair, the 1st International Workshop on Emails in e-Commerce and Enterprise Context (E3C), held at the 11th IEEE Conference on Commerce and Enterprise Computing (CEC 2009), 20 July, 2009, Vienna, Austria.
- Co-chair, the 7th IEEE International Workshop on Distributed and Mobile Collaboration (DMC 2009), held at the 18th IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises (WETICE-2009), June 29 - July 1, 2009, Groningen, The Netherlands.
- Vice chair, Topic 2: Performance Prediction and Evaluation, Euro-Par 2009 Delft, 25-28 August, 2009, Delft, the Netherlands.

- Co-chair, the 6th IEEE International Workshop on Distributed and Mobile Collaboration (DMC 2008), Held at the 17th IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises (WETICE-2008), June 23-25, 2008, Rome, Italy.

(Co-)Editor:

- Special issue on the SOCA 2016, Service Computing and Applications Journal (SOCA), Springer, 2017
- Special Issue on Collaboration Services: Methodologies, Architectures, Technologies and Protocols, Service Computing and Applications Journal (SOCA), Springer, 2009.

Conference/Workshop Organization:

- Workshop on Computational Science and Engineering (CSE09), 8-9 Jan, 2009, Rust, Austria.
- ISoLA 2008 Special Tracks on Model-Driven SOA, 3rd International Symposium on Leveraging Applications of Formal Methods, Verification and Validation, 13-15 October, 2008, Porto Sani (Kassandra, Chalkidiki), Greece.

PC member

- Cloud Services and Applications track, the 9th IEEE International Conference on Cloud Computing Technology and Science, Hong Kong, 11-14 December 2017
- Senior PC member, 2017 IEEE International Conference on Big Data (Big Data 2017), December 11-14, 2017, Boston, MA, USA
- The 5th International Conference on Future Internet of Things and Cloud, 21-23 August 2017, Prague, Czech Republic
- The 11th IEEE International Conference on Big Data Science and Engineering (IEEE BigDataSE-17), Sydney, Australia, August 1 - 4, 2017
- Workshop on Data Intensive Services based Application, In conjunction with The 29th International Conference on Software Engineering and Knowledge Engineering (SEKE2017)
- The 3rd IEEE International Conference on Smart Data (SmartData-2017), Exeter, England, UK, June 21-23, 2017
- The 17th IEEE/ACM International Symposium on Cluster, Cloud and Grid, Madrid, Spain, May 14-17, 2017
- The Australasian Computer Science Week Conference (ACSW 2017), January 31 February 3, 2017, Australia
- The 10th IEEE International Conference on Big Data Science and Engineering (IEEE BigDataSE-16), August 23-26, 2016, Tianjin, China
- 25th IEEE International Conference on Enabling Technologies: Infrastructure for Collaborative Enterprises, June 13-16, 2016.
- The 15th International Conference on Software Reuse (ICSR2016), JUNE 5 -7, 2016, Limassol, Cyprus
- The 2nd International Workshop on Algorithmic Aspects of Cloud Computing (ALGO-CLOUD 2016), August 22, 2016, Aarhus, Denmark

- The 8th IEEE International Conference on Cloud Computing Technology and Science Luxembourg, Dec 12-15, 2016
- 16th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CC-Grid2016), May 16-19, 2016 – Cartagena, Colombia
- 2015 IEEE International Conference on Big Data (IEEE Big Data 2015), Oct 29-Nov 1 2015, Santa Clara, CA, USA
- The 9th IEEE International Conference on Big Data Science and Engineering (IEEE BigDataSE-15), Helsinki, Finland, 20-22 August, 2015
- The 21st IEEE International Conference on Parallel and Distributed Systems (ICPADS 2015), December 14-17, 2015, Melbourne, Australia
- The 17th International Conference on Information Integration and Web-based Applications & Services (iiWAS2015), 10-12 Dec, 2015, Brussels, Belgium
- 7th IEEE International Conference on Cloud Computing Technology and Science Nov 30 - Dec 3, 2015, Vancouver, Canada
- The 1st International Workshop on Cloud Data Algorithmics 2015, Co-located with Algo 2015, 14-18 Sept 2015, Patras, Greece.
- The 3rd International Conference on Future Internet of Things and Cloud (FICloud 2015), 24-26 August, 2015, Rome, Italy
- The 12th International Conference on Mobile Web and Intelligent Information Systems (MobiWIS 2015), 24-26 August, 2015, Rome, Italy
- The 2nd NAFOSTED Conference on Information and Computer Science (NICS 2015), 16-18 September 2015, HoChiMinh City, Vietnam.
- The 7th Asian Conference on Intelligent Information and Database Systems, March 23 - 25, 2015, Bali, Indonesia
- International Workshop on High Performance Data Intensive Computing (HPDIC'2015), In Conjunction with IEEE IPDPS 2015, 29th IEEE International Parallel & Distributed Processing Symposium, May 25-29 2015, International Convention Centre, Hyderabad, INDIA.
- The 1st IEEE BigDataService 2015 March 30 - April 2, 2015, San Francisco, US
- The 16th International Conference on Information Integration and Web-based Applications & Services (iiWAS2014), 4-6 Dec, 2014, Hanoi, Vietnam
- The 6th Asian Conference on Intelligent Information and Database Systems(ACIIDS 2014), April 7 - 9, 2014, Bangkok, Thailand
- Cooperative Systems (COSYS) Track of the 29th ACM Symposium on Applied Computing (SAC 2014), March 24-28, 2014, Gyeongju, Korea
- The 2nd International Conference on Big Data Science and Engineering (BDSE 2013), December 3-5, 2013, Sydney, Australia
- The 15th International Conference on Information Integration and Web-based Applications & Services (iiWAS 2013), 2-4 December 2013, Vienna, Austria
- The 10th IEEE International Conference on e-Business Engineering (ICEBE 2013), September 11-13, 2013, Coventry, UK

- The IEEE 2nd International Congress on Big Data, June 27-July 2, 2013, Santa Clara Marriott, CA, USA
- 2013 International Workshop on High Performance Data Intensive Computing (HPDIC2013), In Conjunction with IEEE IPDPS 2013, Boston, Massachusetts, USA May 24, 2013.
- Cooperative Systems (COSYS) Track of the 28th ACM Symposium on Applied Computing (SAC 2013) March 18-22, 2013, Coimbra, Portugal.
- The 14th International Conference on Information Integration and Web-based Applications & Services (iiWAS 2012), 3-5 December 2012, Bali, Indonesia.
- The 2012 International Workshop on Power and QoS Aware Computing (PQoSCom 12), in conjunction with IEEE Cluster 2012, September 28, 2012, Beijing, China.
- The 9th International Conference on Mobile Web Information Systems (MobiWIS 2012), August 27-29,2012, Niagara Falls, Ontario, Canada.
- 2012 International Workshop on High Performance Data Intensive Computing(HPDIC2012) in conjunction with IEEE IPDPS 2012, May 25, 2012, Shanghai, China.
- The 2nd International Conference on Cloud Computing and Services Science (CLOSER 2012), 18-21 April, 2012, Porto, Portugal.
- The 4th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2012), March 19-21, 2012, Kaohsiung, Taiwan.
- The 9th IEEE-RIVF International Conference on Computing and Communication Technologies (IEEE-RIVF 2012), February 27 - March 01, 2012, Ho Chi Minh City, Vietnam.
- The 5th Workshop on Non-Functional Properties and SLA Management in Service-Oriented Computing (NFPSLAM-SOC'11), Part of ICSOC 2011 - The 9th International Conference on Service Oriented Computing, December 5-8, 2011, Paphos, Cyprus.
- Cooperative Systems in Heterogeneous Environments (COSYS) Track, the 27th ACM Symposium on Applied Computing (SAC 2012), March 25-29, 2012, Trento, Italy.
- The 13th International Conference on Information Integration and Web-based Applications & Services, 5 - 7 December 2011, Ho Chi Minh City, Vietnam.
- The 8th International Conference on Mobile Web Information Systems (MobiWIS 2011), September 19-21, 2011, Niagara Falls, Ontario, Canada.
- The 3rd Asian Conference on Intelligent Information and Database Systems (ACIIDS 2011), April. 20-22, 2011, Daegu, South Korea.
- Performance Assessment and Auditing in Service Computing Workshop 2010, December 7, 2010, San Francisco, California, USA.
- The 4rd Workshop on Non-Functional Properties and SLA Management in Service-Oriented Computing (NFPSLAM-SOC'10),December 1, 2010 , Ayia Napa, Cyprus, co-located with the 8th European Conference on Web Services (ECOWS 2010).
- The 5th European Conference on Smart Sensing and Context (EuroSSC 2010), 14 - 16 November 2010, Passau, Germany.
- The 12th IEEE International Conference on High Performance Computing and Communications (HPCC-2010), September 1-3, 2010, Melbourne, Australia.
- The 16th IEEE International Conference on Parallel and Distributed Systems, Dec 8-10, 2010, Shanghai, China.

- The 5th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing, November 4-6, 2010, Fukuoka Institute of Technology, Fukuoka, Japan.
- The 10th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2010), May, 17-20, 2010, Melbourne, Victoria, Australia.
- The 2nd Asian Conference on Intelligent Information and Database Systems (ACIIDS 2010), 24 - 26 March, 2010, Hue City, Vietnam.
- The 3rd Workshop on Non-Functional Properties and SLA Management in Service-Oriented Computing (NFPSLAM-SOC'09), 24-26 November, Stockholm, Sweden, co-located with 7th International Conference on Service Oriented Computing (ICSOC 2009).
- The First International Conference on Adaptive and Self-adaptive Systems and Applications (ADAPTIVE09), 15-20 November, 2009 - Athens, Greece.
- Workshop on Context, Information And Ontologies (CIAO2009), 1 June, 2009, Heraklion, Greece.
- The 5th International Conference on Self-organization and Adaptation of Computing and Communications (SACC 2009) 23-25 March, 2009, Leipzig, Germany
- The IEEE 23rd International Conference on Advanced Information Networking and Applications (AINA 2009), 26-29 May, 2009, Bradford, UK.
- The 3rd Workshop on Emerging Web Services Technology (WEWST-2008), 12 November, 2008, Dublin, Ireland.
- The 3rd European Conference on Smart Sensing and Context (EuroSSC 2008), 29-31 October, 2008, Zurich, Switzerland.
- The First International Workshop on Process Management for Highly Dynamic and Pervasive Scenarios (PM4HDPS) 1 September, 2008, Milan, Italy.
- The International Conference on Computing and Telecommunication Technologies (IEEE-RIVF) (2006, 2007, 2008, 2009).
- International Workshop on Advanced Computing and Applications (ACOMP), 2007, 2008, 2010.

External Scientific reviewer

- *Conferences/Workshops/Books*: IPDPS 2003, Euro-Par 2003, Euro-Par 2004, ICPP 2004, ICCS 2004, Euro-Par 2005, Sarnoff 2007, ISWC 2009, ICCS 2010, Enabling Context-Aware Web Services: Methods, Architectures, and Technologies 2010, EuroPar2011, EuroPar 2012, Pervasive Computing 2012, ICIS 2012, Web Services Handbook 2012 (Springer).
- *Journals*: Software: Practice and Experience (John Wiley & Sons), Journal of Grid Computing (Springer), Future Generation Computer Systems (Elsevier), Distributed Computing (Springer), IEEE Internet Computing, ToPNoC (Transactions on Petri Nets and Other Models of Concurrency, Springer, for a special issue), Information Sciences (Elsevier), Service-oriented Computing and Applications (Springer), Scientific Programming (for a special issue), Pervasive and Mobile Computing Journal (Elsevier), Journal of Parallel and Distributed Computing (Elsevier), Computing – Archives for Scientific Computing (Springer) Journal of Data and Knowledge Engineering (DKE - Elsevier), WWW Journal (Springer - Special issue), Computers in Industry (Elsevier), IEEE Transactions on Service Computing (TSC), ACM Transactions on Internet Technology (TOIT), IEEE Software,

ACM Computing Survey, ACM SIGHIT Record, Journal of Systems and Software (Elsevier), International Journal of Next-Generation Computing, IEEE Security & Privacy, Journal of Internet Services and Applications (Springer), Information Processing Letters (Elsevier), Transactions on Parallel and Distributed Systems (IEEE), International Journal of Cooperative Information Systems (World Scientific Publishing Co.)

SELECTED INVITED SEMINARS and PANELS

- NII Shonan Meeting on "Resilient Machine-to-Machine communication", March 26 - 29, 2018
- Panelist, 14th EAI International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (Mobiquitous 2017)
- Dagstuhl Seminar on "Big Stream Processing Systems", October 29 – November 3, 2017
- Panelist, The 9th IEEE International Conference on Service Oriented Computing and Application (SOCA 2016)
- Panelist, The 13th International Conference on Service Oriented Computing (ICSOC 2015)
- Dagstuhl Seminar on "Cloud-based Software Crowdsourcing", 1-4 September 2013, Germany
- Dagstuhl Seminar on "Automatic Performance Analysis", Dagstuhl, Germany, 12th- 16nd December 2005

SELECTED INVITED TALKS AND TUTORIALS

- Hong-Linh Truong, "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
- Hong-Linh Truong, "Modeling and Testing Uncertainties in Application-oriented Slices of IoT, Network functions, and Clouds", Ericsson R & D, 13 June, 2017, Bangalore, India
- Hong-Linh Truong, "Provisioning Application-oriented Slices of IoT, Network functions, and Clouds: Necessity, Feasibility, and Possible Tools?", IBM Research Almaden, San Jose, USA. 06 April 2017
- Hong-Linh Truong, "Slicing IoT, Network functions, and Clouds: Experiences and Next Research Challenges", National Institute of Informatics (NII), Japan, 17 Mar, 2017
- Hong-Linh Truong, "Current Trend on Software Frameworks and Engineering Analytics for IoT and Big Data", DiCentral Vietnam, 11 Nov 2016, HoChiMinh City, Vietnam
- Hong-Linh Truong, "Challenges in Engineering Coordination for Harmonizing Synergy in Cyber-Physical-Social Systems", SOCA 2016 Panel, 5 Nov 2016, Macau
- Hong-Linh Truong, "On Service Engineering Analytics for IoT Clouds - Techniques and New Directions"; International Symposium on IoT Systems, Services and Analytics for Developing Worlds (ISSA-DW 2016), Hanoi, Vietnam
- Hong-Linh Truong, Provisioning and Testing Cyber-Physical Systems under Uncertainty, Faculty of Information Technology, University of Engineering and Technology, Vietnam National University, Hanoi, Vietnam
- Hong-Linh Truong, "On Engineering Analytics of Elastic IoT Cloud Systems", University of Danang, Danang, Vietnam, 28 July 2016

- Hong-Linh Truong, Testing Cyber-Physical Systems under Uncertainty, Smart Cyber-Physical Systems Clustering and Communication Event, Vienna, April 14, 2016
- Hong-Linh Truong, “Challenges and Techniques for Engineering Analytics of Elastic IoT Cloud Systems”, College of Computer Science and Software Engineering, Shenzhen University, 9 Mar 2016, Shenzhen, China
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- Hong-Linh Truong, Service Engineering Analytics for IoT, International Conference on Service Oriented Computing, ICSOC 2015
- Hong-Linh Truong, ”Principles for Engineering Elastic IoT Cloud Systems”, the 9th Summer School on Service Oriented Computing, Hersonissos, Crete, Greece, July 2, 2015
- Hong-Linh Truong, ”Elastic Computing - Towards Integration of IoT, People, and Clouds”, IBM Almaden Research Center, March 31, 2015, San Jose, CA, USA
- Hong-Linh Truong, ”Programming Elasticity in the Cloud”, 6th International Conference on Cloud Computing Technology and Science, 15-18 December 2014, Singapore
- Hong-Linh Truong, ”On the Integration of Software Services, People and Things for Elasticity Analytics”, IBM Research - Tokyo, Tokyo, Japan, 21 Nov 2014.
- Hong-Linh Truong, ”Collective Adaptive Systems: Challenges and Opportunities for Cloud and Services Computing”, ICSOC 2014 Panel: Collective Adaptive Systems: Challenges and Opportunities for Cloud and Services Computing, 12th International Conference on Service-Oriented Computing, Paris, France
- Hong-Linh Truong, “CoMoT - a Toolset for Elasticity in the Cloud”, LCCC - Lund Center for Control of Complex Engineering Systems, 14 May, 2014.
- Hong-Linh Truong, “Cloud Computing and Big Data Analytics for Sustainability Governance of Smart Cities”, 3rd Annual Cloud and Smart Data Summit 2013, 16-17 September 2013, Vienna, Austria
- Hong-Linh Truong, “On Assuring Quality of Results in Hybrid Compute Units in the Cloud”, Dagstuhl Cloud-based Software Crowdsourcing, 2 September 2013, Germany
- Hong-Linh Truong, “Elastic Computing - Principles, Models, and Algorithms for Software Services, Things, and People on the Cloud” (Part 2), International Summer School on Software Engineering (ISSSE), July 9, 2013, Salerno, Italy.
- Hong-Linh Truong, ”Engineering Elastic Applications in the Cloud”, July 2, 2013, 7th Summer School on Service Oriented Computing, Hersonissos, Crete, Greece
- Hong-Linh Truong, “Engineering Elastic Cloud Services”, 12 June 2013, IK4-IKERLAN, Spain
- Hong-Linh Truong, “Smart Cities Approaches Outside Europe: a Dubai view”, Workshop: Smart Grids for Smart Cities, Smart Grids ERA-NET, 14th, May, 2013, Salzburg, Austria
- Hong-Linh Truong, ”Elastic Processes on Clouds of Hybrid Services: Principles, Enabling Techniques and Approaches”, July 3, 2012, 6th Summer School on Service Oriented Computing, Hersonissos, Crete, Greece

- Hong-Linh Truong, "Principles of Elastic Processes on Clouds and Some Enabling Techniques", Invited talk, 1st Australian Symposium on Services Innovation, 21-22 November, 2011, University of Wollongong, Australia
- Hong-Linh Truong, "Elastic Processes on Clouds: Principles, Research Challenges and Approaches", Invited talk, 17 Nov 2011, Ho Chi Minh City University of Technology, Vietnam.
- Hong-Linh Truong, "Cloud and Grid for Data- and Compute-Intensive Applications: User Demand and Research Challenges", June 29, 2011, 5th Summer School on Service Oriented Computing, Hersonissos, Crete, Greece.
- Hong-Linh Truong, "On Specifying and Providing Data Concerns for Adaptive Service Composition and Execution", Department of Telematics, NTNU, 23 August, 2010, Trondheim, Norway.
- Hong-Linh Truong, "Performance Analysis Techniques for Grid Workflows and Their Extensions for Multi-domain Simulation Workflows", Stuttgart Research Centre for Simulation Technology and Cluster of Excellence "Simulation Technology" (SimTech), University of Stuttgart, 5 May 2010, Stuttgart, Germany.
- Hong-Linh Truong, "Performance Analysis of Grid Workflows in K-WfGrid and ASKALON", Talk held at Dagstuhl Seminar on Automatic Performance Analysis, Dagstuhl, Germany, 12th- 16nd December 2005.
- Hong-Linh Truong, "Towards a Unified Monitoring and Performance Analysis System for the Grid", Talk held at APART-2 workshop on Grid Monitoring and Performance Analysis, held in conjunction with Europar-2003, August 26th, 2003, Klagenfurt, Austria.

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Refereed Papers in Journals/Magazines

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5. Georgiana Copil, Daniel Moldovan, Hong-Linh Truong, Schahram Dustdar, "rSYBL: a Framework for Specifying and Controlling Cloud Services Elasticity", *Transactions on Internet Technology*, 2016.
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2. S. Nastic, H. L. Truong and S. Dustdar, "Data and control points: A programming model for resource-constrained IoT cloud edge devices," 2017 IEEE International Conference on Systems, Man, and Cybernetics (SMC), Banff, AB, 2017, pp. 3535-3540. doi: 10.1109/SMC.2017.8123179
3. Hong-Linh Truong, Luca Berardinelli, "Testing Uncertainty of Cyber-physical Systems in IoT Cloud Infrastructures Combining Model-Driven Engineering and Elastic Execution", Workshop on Testing Embedded and Cyber-Physical Systems, ISSTA 2017.
4. Phu Phung, Hong-Linh Truong, Divya Teja Yasoju, "P4SINC - An Execution Policy Framework for IoT Services in the Edge", the 2nd IEEE International Congress on Internet of Things (IEEE ICIOT 2017), June 25 - June 30, 2017, Honolulu, Hawaii, USA
5. Florin-Bogdan Balint, Hong-Linh Truong, "On Supporting Contract-aware IoT Dataspace Services", The 5th IEEE International Conference on Mobile Cloud Computing, Services, and Engineering, April 7 - April 9, 2017, San Francisco, CA, USA
6. M. Z. C. Candra and Hong-Linh Truong. Reliable coordination patterns in cyber-physical-social systems. In 2016 International Conference on Data and Software Engineering (ICoDSE), pages 16, Oct 2016. **Best paper award.**

7. Stefan Nastic, Hong-Linh Truong, and Schahram Dustdar, "A Middleware Infrastructure for Utility-based Provisioning of IoT Cloud Systems", The First IEEE/ACM Symposium on Edge Computing, October 27-28, 2016, Washington DC, USA.
8. Hong-Linh Truong, Schahram Dustdar, Frank Leymann, "Towards the Realization of Multi-dimensional Elasticity for Distributed Cloud Systems", Cloud Forward Conference 2016, Elsevier Science Procedia Computer Science, 18-20 October 2016, Madrid, Spain
9. Hong-Linh Truong, Georgiana Copil, Schahram Dustdar, Duc-Hung Le, Daniel Moldovan, Stefan Nastic, "On Engineering Analytics for Elastic IoT Cloud Platforms", (c)Springer-Verlag, 14th International Conference on Service Oriented Computing (ICSOC 2016), Oct 10-13, 2016. Banff, Canada.
10. Daniel Moldovan, Hong-Linh Truong, "A Platform for Run-time Health Verification of Elastic Cyber-physical Systems", The IEEE International Symposium on Modelling, Analysis and Simulation of Computer and Telecommunication Systems (MASCOTS 2016), September 19-21, Imperial College, London, UK.
11. Duc-Hung Le, Nanjangud Narendra, Hong-Linh Truong, "HINC - Harmonizing Diverse Resource Information Across IoT, Network Functions and Clouds", The IEEE 4th International Conference on Future Internet of Things and Cloud (FiCloud2016), 22-24 Aug, 2016, Vienna, Austria.
12. Muhammad Candra, Hong-Linh Truong, Schahram Dustdar, "On Monitoring Cyber-Physical-Social Systems", the IEEE Services 2016, Emerging Technologies track on Services for Smart Cities, June 27 - July 2, 2016, San Francisco, USA
13. Duc-Hung Le, Hong-Linh Truong, Schahram Dustdar, "Managing On-demand Sensing Resources in IoT Cloud Systems", 5th IEEE International Conference on Mobile Services (MS2016), June 27 - July 2, 2016, San Francisco, USA
14. Carlos Mueller, Hong-Linh Truong, Pablo Fernandez, Georgiana Copil, Antonio Ruiz-Cortes, Schahram Dustdar, "An Elasticity-aware Governance Platform for Cloud Service Delivery", 13th IEEE International Conference on Services Computing (SCC2016), June 27 - July 2, 2016, San Francisco, USA. **Best paper award.**
15. Hong-Linh Truong, Nanjangud Narendra, "SINC – An Information-Centric Approach for End-to-End IoT Cloud Resource Provisioning", International Conference on Cloud Computing Research & Innovation, CloudAsia 2016, May 3-5, 2016.
16. Daniel Moldovan, Hong-Linh Truong, Schahram Dustdar, "Cost-aware scalability of applications in public clouds", International Conference on Cloud Engineering (IC2E 2016), 4-8 April, 2016, Berlin, Germany.
17. Tien-Dung Cao, Hong-Linh Truong, "Analyzing and Conceptualizing Monitoring and Analytics as a Service for Grain Warehouses", 8th Asian Conference on Intelligent Information and Database Systems, 14-16 March 2016, Da Nang, Vietnam.
18. Stefan Nastic, Georgiana Copil, Hong-Linh Truong, and Schahram Dustdar, "Governing Elastic IoT Cloud Systems under Uncertainty", (c)IEEE, "7th International Conference on Cloud Computing Technology and Science (CloudCom 2015), Vancouver, Canada, 30 November - 3 December, 2015
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21. Muhammad Zuhri Catur, Hong-Linh Truong, Schahram Dustdar, "Analyzing Reliability in Hybrid Compute Units", 1st IEEE International Conference on Collaboration and Internet Computing, October 27 - October 30, 2015, Hangzhou, China. **Best student paper award.**
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