

Curriculum Vitae: Jussi Kangasharju

Name	Jussi Antti Tapio Kangasharju
ORCID	0000-0001-6119-1638
Date and place of birth	02.10.1972, Helsinki, Finland
Nationality	Finnish
Home page	http://www.helsinki.fi/collaborative-networking

Education

26.04.2002	Ph.D., Computer Science, University of Nice Sophia Antipolis, France.
14.09.1998	M.S., Technology, Helsinki University of Technology, Finland.
15.07.1998	Diplome d'Etudes Approfondies, University of Nice Sophia Antipolis, France.

Current and Previous Employment

Jun 07 - present	Professor, University of Helsinki, Helsinki, Finland
Sep 08 - Dec 12	Research program director, Helsinki Institute for Information Technology, Finland
Apr 04 - May 07	Assistant professor, Darmstadt University of Technology, Darmstadt, Germany
Oct 02 - Mar 04	Post-doctoral Researcher, Darmstadt University of Technology, Darmstadt, Germany
May 02 - Sep 02	Post-doctoral researcher, Institut Eurecom, Sophia Antipolis, France
Oct 98 - Apr 02	Research Assistant, Institut Eurecom, Sophia Antipolis, France.
Jul 01 - Sep 01	Summer Intern, AT&T Labs - Research, Menlo Park, CA.
Jul 00 - Sep 00	Summer Intern, AT&T Labs - Research, Menlo Park, CA.
Mar 98 - Aug 98	Research assistant, University of Southern California, Los Angeles, CA.

Personal Research Funding and Grants

- Peer-to-peer researcher group funded by German Research Foundation (DFG), 2006–2009, 1 full-time employee (co-PI)
- ICT SHOK Future Internet, Tekes-funded national project on Future Internet, 2008 – 2012, 2 full-time employees (co-PI).
- AWISSENET, EU FP 7 STREP, 2008–2010, 1.5 full-time employees (co-PI)
- Distribution Done Right (DDR) funded by Academy of Finland, 2009–2012, 1 full-time employee (PI)
- Future Networks, Society, and Modeling (FuNeSoMo) funded by Tekes, 3.5 years 2011–2014. Research exchange project with International Computer Science Institute (ICSI) and University of California Berkeley. Total budget 2.5 MEUR (PI)
- ICT SHOK Internet of Things, Tekes-funded national project on Internet of Things, 2012 – 2014, 1 full-time employee (co-PI)
- Picking Digital Pockets (PDP) funded by Academy of Finland, 2012–2015, 1.5 full-time employees (PI)
- WiFiUS: Ubiquitous Video over Dynamic Spectrum, funded by Academy of Finland, joint project with NSF, 2014–2016, 1 full-time employee (co-PI)
- CleanSky, EU FP7 Marie Curie ITN-network, 2014–2018 2 doctoral students funded, (PI)
- Bright Clouds, Dark Clouds, funded by Academy of Finland Strategic Research Council, 2015–2020, 2 full-time employees (co-PI)
- WMD: Where's My Data? Managing Data in Edge Computing Environments, funded by Academy of Finland, 2018–2019, 1 full-time employee (PI)
- AIDA: Adaptive and Intelligent Data, funded by Academy of Finland, 2018–2021, 1.5 full-time employees (co-PI)

Leadership and Supervision Experience

- Supervised 2 postdoctoral researchers Suzan Bayhan 2012-2016, Walter Wong 2018-2019
- 7 graduated doctoral students at University of Helsinki (2008–2015)
- Currently supervising 6 doctoral students at University of Helsinki.
- Supervisor for 2 doctoral students at Darmstadt University of Technology, 2006–2007; Co-supervisor for 6 doctoral students at Darmstadt University of Technology 2004–2007; Co-supervisor for 1 doctoral student at University of Campinas, Brazil, 2009–2011.

Teaching Experience

- Taught courses on ubiquitous computing (2002-2004), peer-to-peer systems (2004-2008), basic networking (2006) at Darmstadt University of Technology, Germany
- Taught courses on peer-to-peer systems (2007-2009), distributed systems (2009-2016), networked system reliability (2017-2018), distributed data processing infrastructures (2017-2018), cloud and edge computing (2018-2019), over 10 seminars (2007-2018)

Experience of Organizing Scientific Meetings

- Organizer of Dagstuhl Seminar 12363 on Software Defined Networking in 2012
- Poster/Demo co-chair ACM ICN 2017, TPC co-chair ACM ICN 2018, Panel Co-chair for ISM 2006, workshop co-chair ValueTools 2009, TPC vice co-chair ICOIN 2011-2014, 2016. Local arrangements co-chair ACM SIGCOMM 2012.

Patents, Inventions, Awards, and Honors

- Best paper award for W. T. Terpstra, S. Behnel, L. Fiege, J. Kangasharju, and A. Buchmann. Bit zipper rendezvous: Optimal data placement for general P2P queries. In Proceedings of Workshop on Peer-to-Peer Computing and Databases, Heraklion, Greece, March 14, 2004.
- Best papers of workshop for M. Pervilä, J. Kangasharju, Running Servers around Zero Degrees, in Proceedings of ACM SIGCOMM Workshop on Green Networking, New Delhi, India, August 2010.
- Best paper award for L. Wang, S. Bayhan, J. Ott, J. Kangasharju, A. Sathiaseelan, J. Crowcroft, Pro-Diluvian: Understanding Scoped-Flooding for Content Discovery in Information-Centric Networking, in Proceedings of ACM ICN conference, San Francisco, CA, USA, October 2015.
- Best paper award for S.-K. Jo, Y.-M. Kim, H.-W. Lee, J. Kangasharju, M. Mühlhäuser, A Novel Packet Switching for Green IP Networks, ETRI Journal, vol. 39, no. 2, pp. 275–283, April 2017.

Other Key Scientific or Academic Merits

- Member of PhD thesis committee for 9 thesis defenses at Darmstadt University of Technology between 2004 and 2015, 1 at Uppsala University (2014), KTH (2015), TU Dresden (2016)
- Pre-examiner of 4 doctoral thesis at Aalto (2008-2017), 1 at Oulu (2016).
- Opponent 3 times at Aalto (2007-2018), 2 times at KTH (2011, 2016), TUT (2011).
- Project proposal evaluator for Swiss National Science Foundation, Israeli Science Foundation, Polish National Science Centre, Latvian State Education Development Agency, Academy of Finland, Panelist at US NSF, and evaluator of EU FP7 projects and proposals.
- Director of Future Internet Graduate School doctoral program of Academy of Finland, June 2011 – December 2013.
- Vice Director of Data Science Master's Program, University of Helsinki, January 2017 – October 2018.
- Director of Data Science Master's Program, University of Helsinki, October 2018 – present.

Memberships and positions of trust in scientific societies

- Member of technical program committee for ACM Multimedia 2002, Ubiquitous 2008-2012, CoNEXT 2008, IEEE P2P Conference 2007-2008 and 2010, IEEE WoWMoM 2009 and 2011-2013, World Wide Web Conference 2010, IEEE ICC 2012-2017, IEEE Globecom 2012-2017, IEEE Infocom 2013-2017, ACM ICN 2014-2018, plus over 20 others.
- Referee for submissions to IEEE/ACM Transactions on Networking, IEEE Journal on Selected Areas in Communications, IEEE Transactions on Computers, IEEE Transactions on Multimedia, IEEE Transactions on Software Engineering, IEEE Transactions on Parallel and Distributed Systems, ACM Transactions on Internet Technology, ACM SIGCOMM, IEEE INFOCOM.
- ACM SIGCOMM Executive Committee, Conference Coordinator 2017 – 2018.