

CURRICULUM VITAE

Name Antti Sakari Ylä-Jääski
 Born March 8, 1960, Turku, Finland

Education

- Doctor of Technical Sciences, Swiss Federal Institute of Technology, ETH-Zurich, Switzerland, 1993
- Master of Science in Department of Electrical Engineering, Helsinki University of Technology, 1986
- Matriculation examination, Salpausselän lukio, Lahti, 1979

Current positions

- Professor of Telecommunications Software (tenure), Department of Computer Science and Engineering, Helsinki University of Technology
- Research Fellow in Internet Technologies, Nokia Research Center, Helsinki

Work experience

- Vice President, Technology, System Technology and Business Development, Nokia Networks 2003-2004
- Professor (pro tem) of Telecommunications Software, Telecommunications Software and Multimedia Laboratory, Helsinki University of Technology 2002-2004
- Vice President, Head of Technology, Nokia Ventures Organisation 2001-2002
- Head of Laboratory, Communication Systems Laboratory, Nokia Research Center 1997-2000
- R&D Manager, Multimedia Applications and Services, Nokia Research Center 1996
- Senior Research Engineer, Nokia Research Center, Helsinki 1994-1995
- Senior R&D Engineer, Oy Mapvision Ltd, Helsinki 1992-1994
- Assistant, Communication Technology Laboratory, Swiss Federal Institute of Technology, ETH Zurich, Switzerland 1988-1992
- Managing director, Data-Signal Ltd, Helsinki 1986-1990
- R&D Engineer, Nokia Information Systems, Helsinki 1986-1988
- R&D Designer, Nokia Information Systems, Helsinki 1983-1985
- Assistant, VTT Technical Research Center of Finland, Helsinki 1981-1982

Teaching experience (courses organised)

- T-110.6120 Special course on Data Communications Software, “Introductory seminar for Master's students” 2008
- T-110.5190, Seminar on Internetworking, “Services and Social Networking on the Internet” 2008
- T-110.6120 Special course on Data Communications Software “Internet and Computing Forum” 2008
- T-110.7190, Research Seminar on Data Communications Software, seminar for own phd students 2008
- T-110.7190, Research Seminar on Data Communications Software, “Graduate Seminar on Energy Awareness ” 2007
- T-110.5190, Seminar on Internetworking, “Home Networking” 2007
- T-110.6120 Special course on Data Communications Software, “Introductory seminar for Master's students” 2007
- T-110.7100 Applications and Services in Internet 2007
- T-110.7190, Research Seminar on Data Communications Software, seminar for own phd students 2007
- T-110.7190, Research Seminar on Data Communications Software, “QoS issues in Heterogeneous IP Networks” 2006
- T-110.5190, Seminar on Internetworking, “Mobile Communities” 2006
- T-110.6120 Special course on Data Communications Software, “Introductory seminar for Master's students” 2006
- T-110.551, Seminar on Internetworking, “Peer-to-peer technologies, networks and systems” 2005
- T-110.456, Next Generation Cellular Networks “Content Networking in the Mobile Internet” 2005
- T-110.557, Research Seminar on Telecommunications Software, “Software Patterns” 2005
- T-110.551, Seminar on Internetworking, “Routing - from baseline to state-of-the art” 2004
- T-110.456, Next Generation Cellular Networks “IP in Wireless Networks” 2004
- T-110.551, Seminar on Internetworking, “Mobile networks based on “IP layer protocols and unlicensed radio spectrum” 2003
- T-110.498, Special Course in Datacommunications and Networks, “Universal Mobile Telecommunications Systems (UMTS)” 2003

- T-110.557, Research Seminar on Telecommunications Software, “Internetworking between ad hoc networks and Internet” 2003
- T-110.557, Research Seminar on Telecommunications Software, “Ad hoc mobile wireless networks” 2002
- Assistant for the course “Applied artificial intelligence”, Communication Technology Laboratory, Swiss Federal Institute of Technology, ETH Zurich, Switzerland 1988-1990
- Assistant for the course “Electronics”, Department of Electrical Engineering, Helsinki University of Technology 1982-1983
- Assistant for the course “Microprocessor systems”, Department of Electrical Engineering, Helsinki University of Technology 1982-1983

Research projects in TKK

- Future Internet ICT SHOK (FI SHOK) 2008-2009
The goal of the Future Internet programme is to bring together the key research resources to develop future Internet networking technologies and to create new global ICT based business ecosystems. The programme is a part of the ICT cluster of the Finnish Strategic Centres for Science, Technology and Innovation (ICT SHOK).
- Flexible Services EDEN ICT SHOK (EDEN FS SHOK) 2008-2009
The goal of the Flexible Services programme is to bridge between business, users, social and economical needs, and computing and communications support in a way that enables creation of value services, instead of just services. The programme is a part of the ICT cluster of the Finnish Strategic Centres for Science, Technology and Innovation (ICT SHOK).
- OtaSizzle TKK MIDE project (OtaSizzle) 2008-2009
The objective of the project is to create experimental facilities for developing and studying innovative mobile social media applications in the Otaniemi area. We aim especially to reach larger user communities for test periods longer than typically possible in regular projects. This requires a scalable experimental platform instrumented for collecting experimental data for multidisciplinary research of mobile service innovations.
- Intelligent Structural Health Monitoring System TKK MIDE (ISMO) 2008-2009
Structural health monitoring is a new approach to provide diagnosis of the structure’s condition during its life using the sensor data. An intelligent monitoring system with wireless sensor networks can provide reliable information about the structure’s condition, replace visual inspections, provide ease of installation and configurability, save costs, and ultimately save people’s lives. The wireless sensing and networking technologies required in intelligent monitoring systems are developed. Data mining and statistical analyses are used to extract relevant information from the sensor data for damage detection. Model-

based methods are studied to estimate the location and extent of damage or predict the remaining lifetime. There is a large number of possible applications including bridges, buildings, wind power turbines, ships, masts, spacecraft, forest harvesters, lift trucks, reach stackers, various crane systems, pipe systems, and amusement park rides. New business opportunities for the service sector emerge and the results can be utilized in other critical areas as well.

- Infrastructure for Host Identity Protocol II (InfraHIP II) 2007-2009
 "Infra" in the project name stands for Infrastructure. As the basic HIP protocol is almost ready, the project focuses on developing the missing infrastructure pieces such as DNS, NAT, and firewall support to enable a widespread deployment of HIP. The Host Identity Protocol (HIP) and the related architecture form a proposal to change the TCP/IP stack to securely support mobility and multi-homing. Additionally, they provide for enhanced security and privacy and advanced network concepts, such as moving networks and mobile ad hoc networks. The InfraHIP project studies application related aspects of HIP, including APIs, rendezvous service, operating system security, multiple end-points within a single host, process migration, and issues related to enterprise-level solutions. Through this, the project maintains HIIT (and thereby Finland) as one of the leading research centers doing HIP related work.
- Nordic HIP 2007-2009
 The NordicHIP project is an excellent fit of the NORDUNET3 programme. It involves issues in both areas of Security and Internet communication services. The identities provided by HIP are essential to support trust and authentication between hosts. Furthermore, HIP allows for scalable security architectures as the requirement to the support infrastructure are modest; most communication occurs directly between HIP peers. Secure host and network mobility are the main assets built into the basic HIP protocol.
- Trustworthy Internet 2006-2008
 This project will study how trustworthiness of the Internet can be heightened by adding a slim overlay infrastructure on the top of the existing IP networks. The light overlay infrastructure builds a new kind of a network platform for the services above. Thus, in our vision, our research will enable trustworthy Internet service platforms that connect service consumers and providers with each other to enable services and service delivery mechanisms.
- Web Services in Ad-Hoc and Mobile Infrastructure (WeSAHMI) 2006-2007
 The goal of the project is to create technological conditions for realizing web service based systems in the mobile environment. This includes particularly implementation of centralized components for a situation where dedicated servers, which base their operation on good performance, are not available anymore. Instead, devices adapt dynamically to their current network environment and utilize services, which can be found based on, for instance, vicinity.
- Interconnected Broadband Home Networks (InHoNets) 2006-2007
 This project focuses on both wireless broadband home networks and on

seamless internetworking between several home networks through broadband access networks. This research aims at ensuring reliable and secured broadband end-to-end connectivity between peer devices within one home; the peer devices can also be in multiple sites in several wireless home networks.

- Infrastructure for Host Identity Protocol (InfraHIP) 2004-2007
InfraHIP concentrates on research and development of the Host Identity Protocol (HIP) architecture. HIP is a cryptographic authentication protocol, which can be used for secure mobility management between IPv4 and IPv6 networks.
- Seamless Service Interworking in Heterogeneous Mobile and Ad-hoc Networks II (SESSI-2) 2005-2006
Develop support for multihop ad-hoc networks on the basis of the earlier SESSI project.
- Seamless Service Interworking in Heterogeneous Mobile and Ad-hoc Networks (SESSI) 2004-2005
SESSI creates technological premises for seamless interworking of services and applications in and between ad hoc wireless short range networks and third generation (3G) cellular networks. Solutions are provided for service discovery, session management and authentication and security (authentication and authorization).
- Internet Protocol Datacasting (INDICA) 2004-2005
INDICA analyses the potential of mobile TV from a broad perspective including value ecosystems, services, service and content packaging, heterogeneous network technologies and end-user perspective. We investigate and develop efficient technologies for accessing and using different types of content using new telecommunication technologies. In a broader scope, the research enables service developers to create more multifaceted services, reaching a wider range of users with diverse needs.

Memberships in Scientific Societies

- The Institute of Electrical and Electronics Engineers, IEEE

Supervised Doctoral Thesis

- Kristiina Karvonen, “Bridging The Gap Between Human and Machine Trust”, public examination May 25th, 2007.
- Teemu Koponen, “A Data-Oriented Network Architecture”, public examination October 2nd, 2008.
- Jukka Ylitalo, “Secure Mobility at Multiple Granularity Levels Over Heterogeneous Datacom Networks”, public examination November 14th, 2008.

Supervised Master’s Thesis

- Supervised 89 Master's thesis works at Helsinki University of Technology 2002-2008 (1,9,5,13,14,18,29).

Examiner of Licentiate Thesis

- Lic.Tech. Tero Kivimäki, "Software Agents in Mobile Devices", Tampere University of Technology, 2004.
- Lic.Tech. Markus Ylikerälä, "Mobile Environment Flowing with 3D", Helsinki University of Technology, 2005.
- Lic.Tech. Sami Vaarala, "Security Considerations of Commodity x86 Virtualization", 2006.

Pre-examiner of Doctoral Thesis

- Dr.Tech. Heikki Kälviäinen, "Randomized Hough Transform: New Extensions", Lappeenranta University of Technology, 1994.
- Dr.Tech. Tapio Repo, "Modelling of structured 3-D environments from monocular image sequences", University of Oulu, 2002.
- PhD Jaakko Kangasharju, "XML Messaging for Mobile Devices, University of Helsinki, 2007.

Examiner of Doctoral Thesis

- PhD Lu Yan, "Systematic Design of Ubiquitous Systems", Åbo Akademi University, 2005.

Theses

- Ylä-Jääski, *Contributions to a 3-D Robot Vision System: Grouping from Sparse and Incomplete Data*. Doctoral Thesis, Swiss Federal Institute of Technology Zurich, Diss. ETH Zurich No 10139, Zurich, 1993.
- The Doctoral Thesis also published as: A. Ylä-Jääski, *Contributions to a 3-D Robot Vision System: Grouping from Sparse and Incomplete Data*. Acta Polytechnica Scandinavica, El 73, ISBN 951-666-385-0, Helsinki 1993.
- Ylä-Jääski, *Modeemin analogiasuodattimien suunnittelu*. Master's Thesis, Helsinki University of Technology, 1986, (in Finnish).

Patents

- Finnish patent number FI113224B, J.E. Ekberg, P. Ginzboorg, A. Ylä-Jääski. "Laskutuksen toteuttaminen tietoliikennejärjestelmässä", approval date 15.3.2004, applied November 11, 1996.
- US patent number:US6047051, A. Ylä-Jääski, J.E. Ekberg, P. Ginzboorg. "Implementation of charging in a telecommunications system", approval date April 4, 2000, applied June 24, 1997.

- Finnish patent number FI104667B with P. Ginzboorg, J.E. Ekberg, P. Laitinen, A. Ylä-Jääski. “Liittymäpalvelun toteuttaminen”, approval date March 15, 2000, applied March 14, 1997.
- US patent number US6240091, P. Laitinen, A. Ylä-Jääski, J.E. Ekberg, P. Ginzboorg. “Implementation of access service”, approval date May 29, 2001, applied October 17, 1997.
- US patent US2004005870, A. Ylä-Jääski, J. Aaltonen, M. Grundström. “Synchronization of transmitter and receiver frequencies in multi-access networks”, approval date October 1, 2006, applied July 3, 2002.

LIST OF PUBLICATIONS

Publications in Journals

1. A. Arjona, C. Westphal, A. Ylä-Jääski, M. Kristensson and J. Manner, “Towards High Quality VoIP in 3G Networks: An Empirical Approach”, International Journal of Communications, Networks and System Sciences (IJCNS) Vol. 1 No. 4 2008.
<http://www.scirp.org/Journal/Home.aspx?JournalID=4>
2. A. Arjona, C. Westphal, J. Manner, A. Ylä-Jääski, and S. Takala, “Can the Current Generation of Wireless Mesh Networks Compete with Cellular Networks?” Elsevier Computer Communications Journal, Vol. 31, Issue 8, pp. 1564-1578, May 2008. ISSN 0140-3664
http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TYP-4RR1NT4-2&_user=952938&_rdoc=1&_fmt=&_orig=search&_sort=d&_view=c&_acct=C000049220&_version=1&_urlVersion=0&_userid=952938&md5=e7d33f437e5e5206ad1eb8514a2edd13
3. J. Manner, S. Leggio, T. Mikkonen, J. Saarinen, P. Vuorela, A. Ylä-Jääski, “Seamless service interworking of ad-hoc networks and the Internet”, Elsevier Computer Communications, Vol 31, issue 10, pp. 2293-2307, June 2008. ISSN: 0140-3664
http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TYP-4S08JW7-2&_user=952938&_rdoc=1&_fmt=&_orig=search&_sort=d&_view=c&_acct=C000049220&_version=1&_urlVersion=0&_userid=952938&md5=cab5651c557374c8794d1b5d22413337
4. H. Paloheimo, S. Dixit and A. Ylä-Jääski, “Energy-Aware Interoperability of MANET and 4G RAN Routing”, Wireless Personal Communications, Springer, June 2006.
<http://www.springerlink.com/content/v5w5801t1p764107/>
5. L. Källström, S. Leggio, S. Liimatainen, J. Manner, T. Mikkonen, K. Raatikainen, J. Saarinen and A. Ylä-Jääski, “A Framework for Seamless Service Interworking in Ad-Hoc Networks”, Elsevier Computer Communications, May 2006.
http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TYP-4K4PVVY-2&_user=952938&_rdoc=1&_fmt=&_orig=search&_sort=d&_view=c&_acct=C000049220&_version=1&_urlVersion=0&_userid=952938&md5=54e49af4a6614c3c5b6c56fe192dff0

6. S. Dixit and A. Ylä-Jääski, Guest Editorial, "WDM Optical Networks: A reality Check plus: Topics in Broadband Access", IEEE Communications Magazine, March Vol. 38, No. 3., pp. 58-59, March 2000.
7. A. Ylä-Jääski and F. Ade, "Grouping symmetrical structures for object segmentation and description", Computer Vision and Image Understanding, Vol. 63, No. 3, pp. 399-417, May 1996.
8. A. Ylä-Jääski and N. Kiryati, "Adaptive termination of voting in the probabilistic circular Hough transform", IEEE Trans. Patt. Anal. Machine Intell., PAMI, Vol. 16, No. 9, pp. 911-915, September 1994.

Book Chapters

1. K. Haribabu, Chittaranjan Hota, and Antti Ylä-Jääski, "Indexing through Querying in Unstructured Peer-to-Peer Overlay Networks", APNOMS 2008, LNCS 5297, pp. 102-111, Springer-Verlag Berlin Heidelberg, 2008.
<http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=04539374>
<http://www.springerlink.com/content/al6p068177n7038u/>

Conference papers

2. Murali P, Rakesh K, Chittaranjan Hota, and Antti Ylä-Jääski, "Energy Aware Routing in Mobile Ad Hoc Networks", Proc. IFIP Wireless Days Conference 2008, Nov 24-27, Dubai, 2008.
3. Yu Xiao, Ramya Sri Kalyanaraman, Antti Ylä-Jääski, "Energy Consumption of Mobile YouTube: Quantitative Measurement and Analysis", In Second International Conference and Exhibition on Next Generations Mobile Applications Services and Technologies (NGMAST 2008), Sep 16-19, Cardiff, Wales, UK, 2008.
4. T. Miaoqing, A. Arjona, and A. Ylä-Jääski, "Real-time Service Migration for Voice over IP Services", In proceedings of The Second International Conference on Mobile Ubiquitous Computing Systems, Services and Technologies, UBICOMM 2008, Sep 29-Oct 4, Valencia, Spain, 2008.
http://ieeexplore.ieee.org/xpls/abs_all.jsp?isnumber=4641296&arnumber=4641380&count=92&index=83
5. Chowdhury, Rafiqul; Arjona, Andres; Lindqvist, Janne; Ylä-Jääski, Antti, "Interconnecting Multiple Home Network Services", IEEE 15th International Conference in Telecommunications ICT'08, St. Petersburg, Russia, June 16-19, 2008., 7, 2008
http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4652700
6. A. Arjona, A. Ylä-Jääski, C. Westphal, and M. Kristensson, "Towards High Quality VoIP in 3G Networks: An Empirical Study", In proceedings of IEEE Advanced International Conference on Telecommunications AICT'08, Athens Greece, June 8-13, 2008.
http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4545517

7. A. Arjona, and A. Ylä-Jääski, "Mobile IP as an Enabler of VoIP in Wireless Mesh Networks", In proceedings of IEEE 67th Vehicular Technology Conference, VTC'08-Spring, Marina Bay Singapore, May 11-14, 2008.
<http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=04526161>
8. A. Arjona, A. Ylä-Jääski, and J. Kerttula, "Live Network Performance Challenge: FLASHOFDMA vs. HSDPA", In proceedings of IEEE 22nd International Conference of Advanced Information Networking and Applications AINA'08, Okinawa Japan, March 25-28, 2008.
<http://ieeexplore.ieee.org/search/searchresult.jsp?queryText=%28live+network+performance+challenge+%3Cin%3E+metadata%29+%3Cand%3E+%284482668+%3Cin%3E+punumber%29&coll2=ieeecnfs&coll3=ieecnfs&history=yes&reqloc=others&scope=metadata>
9. K. Haribabu, Dayakar Reddy, Chittaranjan Hota, Antti Ylä-Jääski, Sasu Tarkoma, "Adaptive lookup for unstructured peer-to-peer overlays", in Proceedings of Third International Conference on Communication Systems & Middleware (IAMCOM/COMSWARE 2008), Bangalore, 5-10 January 2008, pp 776-782.
<http://ieeexplore.ieee.org/search/wrapper.jsp?arnumber=4554516>
10. A. Arjona and A. Ylä-Jääski "VoIP Call Signaling Performance and Always-On Battery Consumption in HSDPA, WCDMA and WiFi", IEEE International Conference on Wireless Communications, Networking and Mobile Computing WICOM'07, Shanghai China, Sept. 21-23, 2007.
<http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=04340511>
11. C. Hota, J. Lindqvist, K. Karvonen, A. Ylä-Jääski, and Mohan C.K.J, "Safeguarding Against Sybil Attacks via Social Networks and Multipath Routing", IEEE International Conference on Communications and Networking in China (Chinacom 2007), Shanghai, China, 22-24 August 2007.
<http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=04286417>
12. Jukka Manner, Antti Ylä-Jääski, Juhamatti Kettunen, "Distributed Service Location and Session Management for Ad-hoc Networks", IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks, IEEE WoWMoM Helsinki, Finland, 18-21 June 2007.
<http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=04351756>
13. H. Paloheimo, J. Manner, J. Nieminen and A. Ylä-Jääski, "Challenges in Packet Scheduling in 4G Wireless Networks", The 17th Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC), Helsinki, pp. 1-6, September 11-14 2006.
<http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=04022417>
14. J. Lindqvist, A. Ylä-Jääski and J. Manner, "Resilient IPv6 Multicast Address Allocation in Ad Hoc Networks", International Workshop on Wireless Ad Hoc & Sensor Networks (IWWAN), New York, June 28-30 2006.
<http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=04068370>

15. Kai Wei and Antti Ylä-Jääski, "Load Balancing and High Availability Patterns", Nordic Conference on Pattern Language Programs, VikingP2005, Helsinki, September 23-25 2005.
16. S.Leggio, S.Liimatainen, J.Manner, T.Mikkonen, J.Saarinen and A.Ylä-Jääski, "Towards Service Interworking among Ad-Hoc Networks and the Internet", 14th IST Mobile and Wireless Communications Summit, Dresden, 19-23 June 2005. 5 pages
http://www.mobilesummit.de/author_list.php?select=L
17. H. Paloheimo and A. Ylä-Jääski, "Interoperability of MANET and 4G RAN Routing in Terms of Energy Conservation", AINA 2005, The IEEE 19th International Conference on Advanced Information Networking and Applications, Taiwan, March 2005.
<http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=01423531>
18. A.M. Burlacu, D. Burlacu and A. Ylä-Jääski, "FFDSLIP – A Fast Failure Detection Service Location Protocol", INC 2004 Fourth International Network Conference, Plymouth, UK, 205-212, July 2004.
19. P. Ginzboorg, J-E. Ekberg, P. Laitinen and A. Ylä-Jääski, "Charging for Broadband Access", in Proc. of 1st International Conference on Telecommunications and Electronic Commerce, ICTEC 98, Nashville, Tennessee, November 1998.
20. P. Ginzboorg, J-E. Ekberg and A. Ylä-Jääski, "A Charging and Billing Mechanism for the Public Internet", Telecom Interactive 97, Geneva, Infrastructure Platform Forum, Session No: GII.12, September 1997.
21. P. Hoepner, K. Hoefrichter, A. Scheller, S. Tikka, J. Salminen and A. Ylä-Jääski, "IMMP development environment for interactive services", in Proc. European Conference on Multimedia Applications, Services and Techniques, Louvain-la-Neuve, Belgium, pp. 305-324, May 1996.
22. J. Salminen, S. Tikka and A. Ylä-Jääski, "Web gateway to real-time multimedia services", in poster Proc. Fourth International World Wide Web Conf., Boston, USA, 2 pages, December 1995.
23. S. Tikka, J. Salminen and A. Ylä-Jääski, "A real-time video-on-demand system on World Wide Web and ATM networks", In Proc. Fourth International Conf. on Broadband Islands '95, Dublin, Ireland, pp. 331-340, September 1995.
24. E. Ball, J. Ashworth and A. Ylä-Jääski, "The Integrated multimedia project in ACTS programme", in poster Proc. Fourth International Conf. on Broadband Islands '95, Dublin, Ireland, 3 pages, September 1995.
25. A. Ylä-Jääski and N. Kiryati, "Adaptive termination of voting in probabilistic Hough algorithms", in Proc. 10th Israeli Symposium on Artificial Intelligence Computer Vision and Neural Networks, Kfar Maccabiah Ramat Gan, Israel, 315-324, December 1993.

26. A. Ylä-Jääski and F. Ade, "Grouping symmetrical structures for image segmentation and description", in Proc. 10th Israeli Symposium on Artificial Intelligence Computer Vision and Neural Networks, Kfar Maccabiah Ramat Gan, Israel, 325-336, December 1993.
27. A. Ylä-Jääski and N. Kiryati, "Automatic termination rules for probabilistic Hough transforms", in Proc. 8th Scandinavian Conf. on Image Analysis, Tromso, Norway, pp. 121-128, May 1993.
28. F. Ade, M. Peter, M. Rutishauser, M. Trobina and A. Ylä-Jääski, "A 3-D vision system for deriving gripping information for a robot", in Proc. 8th Scandinavian Conf. on Image Analysis, Tromso, Norway, pp. 329-336, May 1993.
29. A. Ylä-Jääski and F. Ade, "Line segment ribbons and their grouping", in Proc. 11th International Conf. on Pattern Recognition, The Hague, The Netherlands, pp. 750-754, September 1992.
30. F. Ade, M. Peter, M. Rutishauser, M. Trobina and A. Ylä-Jääski, "Vision for a 3-D object manipulation system", in Proc. 14. DAGM-Symposium, Dresden, Germany, Springer Verlag, pp. 117-124, September 1992. (Erkennungspreis)
31. M. Trobina, A. Ylä-Jääski T. Hanselmann and T. Meier, "Ein Roboter als Kellner", in Proc. 14. DAGM-Symposium, Dresden, Germany, September 1992, Springer Verlag, pp. 417-422.
32. Ylä-Jääski and F. Ade, "Segmentation and symbolic description of range images", in Proc. 12. DAGM-Symposium, Oberkochen-Aalen, Germany, Springer Verlag, pp. 292-298, September 1990.
33. Ylä-Jääski, "Segmentation of range images of postal parcels", in Proc. SGAICO Workshop on Computer Vision, Geneva Switzerland, October 1990.

Other publications

34. Antti Ylä-Jääski, Sanna Suoranta (eds.), "Mobile Communities", Seminar on Internetworking, Spring 2006, Helsinki University of Technology, Telecommunications Software and Multimedia Laboratory, TML-C21, ISBN: 951-22-8322-0, <http://www.tml.tkk.fi/Publications/C/21/> [Referred 6.10.2006]
35. Antti Ylä-Jääski, Nadja Kasinskaja (eds.), "Peer-to-peer technologies, networks and systems", Seminar on Internetworking, Spring 2005, Helsinki University of Technology, Telecommunications Software and Multimedia Laboratory, TML-C18, ISBN: 951-22-7738-7, <http://www.tml.tkk.fi/Publications/C/18/> [Referred 1.3.2006]
36. Antti Ylä-Jääski, Nadja Kasinskaja (eds.), "Routing – from baseline to state-of-the-art", Seminar on Internetworking, Spring 2004, Helsinki University of Technology, Telecommunications Software and Multimedia Laboratory, TML-C15, ISBN: 951-22-7149-4, <http://www.tml.hut.fi/Studies/T-110.551/2004/papers/> [Referred 27.8.2004]

37. Antti Ylä-Jääski, Heikki Pernu (eds.), “Mobile networks based on IP protocols and unlicensed radio spectrum”, Seminar on Internetworking, Spring 2003, Helsinki University of Technology, Telecommunications Software and Multimedia Laboratory, TML-C10, ISBN: 951-22-6591-5, <http://www.tml.hut.fi/Studies/T-110.551/2003/papers/> [Referred 27.8.2004]
38. Antti Ylä-Jääski, Tero Hasu (eds.), “Ad Hoc Mobile Wireless Networks”, Research seminar on telecommunications software, Autumn 2002, Helsinki University of Technology, Telecommunications Software and Multimedia Laboratory, TML-C8, ISBN: 951-22-6309-2, <http://www.tml.hut.fi/Studies/T-110.557/2002/papers/> [Referred 27.8.2004].