

Korhonen HME, Heikkilä J, Törnwall JM. 2001. A simulation case study of production planning and control in printed wiring board manufacturing. Winter Simulation Conference Proceedings. 2:844-847.

Mamykina L, Bardram JE, Korhonen I, Mynatt E, Pratt W. 2004. HCI and homecare: Connecting families and clinicians. teoksessa Conference on Human Factors in Computing Systems - Proceedings. Sivut 1715-1716. <https://doi.org/10.1145/985921.986197>

Emmert-Streib F, Dehmert M, Kilian J. 2005. Classification of large graphs by a local tree decomposition. teoksessa Proceedings of the 2005 International Conference on Data Mining, DMIN'05. Sivut 200-207.

Jokela T, Väättäjä H, Koponen T. 2009. Mobile Journalist Toolkit: A field study on producing news articles with a mobile device. teoksessa MindTrek 2009 - 13th International Academic MindTrek Conference: Everyday Life in the Ubiquitous Era. Sivut 45-52. <https://doi.org/10.1145/1621841.1621851>

Koskinen JA, Kelo TO. 2009. Pure e-learning course in information security. Elci A, Toimittaja. teoksessa Proceedings of SIN'09, Second International Conference on Security of Information and Networks, Famagusta, North Cyprus, October 6-10, 2009. Sivut 8-13. <https://doi.org/10.1145/1626195.1626200>

Morasca S, Taibi D, Tosi D. 2009. Towards certifying the testing process of open-source software: New challenges or old methodologies?. teoksessa Proceedings of the 2009 ICSE Workshop on Emerging Trends in Free/Libre/Open Source Software Research and Development, FLOSS 2009. Sivut 25-30. <https://doi.org/10.1109/FLOSS.2009.5071356>

Loloei AZ, Mohammadi Aref M, Taghirad HD. 2009. Wrench feasible workspace analysis of cable-driven parallel manipulators using LMI approach. teoksessa IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM. Sivut 1034-1039. <https://doi.org/10.1109/AIM.2009.5229723>

Vafaei A, Aref MM, Taghirad HD. 2010. Integrated controller for an over-constrained cable driven parallel manipulator: KNTU CDRPM. teoksessa Proceedings - IEEE International Conference on Robotics and Automation. Sivut 650-655. <https://doi.org/10.1109/ROBOT.2010.5509991>

Lavazza L, Morasca S, Taibi D, Tosi D. 2010. Predicting OSS trustworthiness on the basis of elementary code assessment. teoksessa ESEM 2010 - Proceedings of the 2010 ACM-IEEE International Symposium on Empirical Software Engineering and Measurement. <https://doi.org/10.1145/1852786.1852834>

Del Bianco V, Lavazza L, Morasca S, Taibi D, Tosi D. 2010. The QualiSPo approach to OSS product quality evaluation. teoksessa 3rd Int. Workshop on Emerging Trends in Free/Libre/Open Source Software Research and Development, FLOSS-3, in Conj. with the 32nd ACM/IEEE International Conference on Software Engineering, ICSE 2010. Sivut 23-28. <https://doi.org/10.1145/1833272.1833277>

Brumley BB, Jarvinen KU. 2010. Conversion algorithms and implementations for koblitz curve cryptography. IEEE Transactions on Computers. 59(1):81-92. <https://doi.org/10.1109/TC.2009.132>

Wu HH, Shen CC, Sane N, Plishker W, Bhattacharyya SS. 2011. A model-based schedule representation for heterogeneous mapping of dataflow graphs. teoksessa 2011 IEEE International Symposium on Parallel and Distributed Processing, Workshops and Phd Forum, IPDPSW 2011. Sivut 70-81. <https://doi.org/10.1109/IPDPS.2011.128>

Brumley B, Page D. 2011. Bit-sliced binary normal basis multiplication. teoksessa Proceedings - 20th IEEE Symposium on Computer Arithmetic, ARITH-20. Sivut 205-212. <https://doi.org/10.1109/ARITH.2011.36>

Špakov O. 2011. Comparison of gaze-to-objects mapping algorithms. teoksessa Proceedings of the 1st Conference on Novel Gaze-Controlled Applications, NGCA'11. <https://doi.org/10.1145/1983302.1983308>

Nummenmaa J, Nummenmaa T. 2011. Database-driven tool support for DisCo executable specifications. teoksessa SPLST'11 - Proceedings 12th Symposium on Programming Languages and Software Tools. Sivut 44-54.

Lylykangas J, Surakka V, Salminen K, Raisamo J, Laitinen P, Rönning K, Raisamo R. 2011. Designing tactile feedback for piezo buttons. teoksessa CHI 2011 - 29th Annual CHI Conference on Human Factors in Computing Systems, Conference Proceedings and Extended Abstracts. Sivut 3281-3284. <https://doi.org/10.1145/1978942.1979428>

Gizatdinova Y, Surakka V, Zhao G, Mäkinen E, Raisamo R. 2011. Facial expression classification based on local spatiotemporal edge and texture descriptors. teoksessa Selected Papers from the Proceedings of the 7th International Conference on Methods and Techniques in Behavioral Research - Digital Edition, MB'10. <https://doi.org/10.1145/1931344.1931365>

Hamari J, Eranti V. 2011. Framework for designing and evaluating game achievements. teoksessa Proceedings of DiGRA 2011 Conference: Think Design Play.

Peltonen J, Kaski S. 2011. Generative modeling for maximizing precision and recall in information visualization. Journal of Machine Learning Research. 15:579-587.

Stenros J, Holopainen J, Waern A, Montola M, Ollila E. 2011. Narrative friction in Alternate Reality Games: Design insights from conspiracy for good. teoksessa Proceedings of DiGRA 2011 Conference: Think Design Play.

Toivonen S, Sotamaa O. 2011. Of discs, boxes and cartridges: The material life of digital games. teoksessa Proceedings of DiGRA 2011 Conference: Think Design Play.

Ivanov S, Botvich D, Balasubramaniam S. 2011. On delay distribution in IEEE 802.11 wireless networks. teoksessa 16th IEEE Symposium on Computers and Communications, ISCC'11. Sivut 254-256. <https://doi.org/10.1109/ISCC.2011.5983849>

Quinn P, Cockburn A, Rähkä KJ, Delamarche J. 2011. On the costs of multiple trajectory pointing methods. teoksessa CHI 2011 - 29th Annual CHI Conference on Human Factors in Computing Systems, Conference Proceedings and Extended Abstracts. Sivut 859-862. <https://doi.org/10.1145/1978942.1979067>

Hakonen H, Hyrynsalmi S, Järvi A. 2011. Reducing the number of unit tests with design by contract. teoksessa Computer Systems and Technologies - 12th International Conference, CompSysTech'11 - Proceedings. Sivut 161-166. <https://doi.org/10.1145/2023607.2023635>

Boutellier J, Silven O, Raulet M. 2011. Scheduling of CAL actor networks based on dynamic code analysis. teoksessa 2011 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2011 - Proceedings. Sivut 1609-1612. <https://doi.org/10.1109/ICASSP.2011.5946805>

Sariola V, Liimatainen V, Tolonen T, Udd R, Zhou Q. 2011. Silicon capillary gripper with self-alignment capability. teoksessa 2011 IEEE International Conference on Robotics and Automation, ICRA 2011. Sivut 4098-4103. <https://doi.org/10.1109/ICRA.2011.5979980>

Holopainen J, Lucero A, Saarenpää H, Nummenmaa T, Ali AE, Jokela T. 2011. Social and privacy aspects of a system for collaborative public expression. teoksessa Proceedings of the 8th International Conference on Advances in Computer Entertainment Technology, ACE 2011. <https://doi.org/10.1145/2071423.2071452>

Hoggan E, Trendafilov D, Ahmaniemi T, Raisamo R. 2011. Squeeze vs. tilt: A comparative study using continuous tactile feedback. teoksessa CHI EA 2011 - 29th Annual CHI Conference on Human Factors in Computing Systems, Conference Proceedings and Extended Abstracts. Sivut 1309-1314. <https://doi.org/10.1145/1979742.1979766>

Khan SA, Saastamoinen J, Tiensyrjä K, Nurmi J. 2011. System level performance simulation of distributed GENESYS applications on multi-core platforms. teoksessa Proceedings - IEEE 9th International Conference on Dependable, Autonomic and Secure Computing, DASC 2011. Sivut 313-320. <https://doi.org/10.1109/DASC.2011.70>

Stenros J, Montola M. 2011. The making of Nordic larp: Documenting a tradition of ephemeral co-creative play. teoksessa Proceedings of DiGRA 2011 Conference: Think Design Play.

Morasca S, Taibi D, Tosi D. 2011. Guidelines for improving the testing process of open source software. International Journal of Open Source Software and Processes. 3(2):1-22. <https://doi.org/10.4018/jossp.2011040101>

Turunen M, Hakulinen J, Ståhl O, Gambäck B, Hansen P, Rodríguez Gancedo MC, De La Cámara RS, Smith C, Charlton D, Cavazza M. 2011. Multimodal and mobile conversational Health and Fitness Companions. Computer Speech and Language. 25(2):192-209. <https://doi.org/10.1016/j.csl.2010.04.004>

Wilks Y, Catizone R, Worgan S, Turunen M. 2011. Some background on dialogue management and conversational speech for dialogue systems. Computer Speech and Language. 25(2):128-139. <https://doi.org/10.1016/j.csl.2010.03.001>

Del Bianco V, Lavazza L, Morasca S, Taibi D. 2011. A survey on open source software trustworthiness. IEEE Software. 28(5):67-75. <https://doi.org/10.1109/MS.2011.93>

Smith C, Crook N, Dobnik S, Charlton D, Boye J, Pulman S, Santos de la Camara R, Turunen M, Benyon D, Bradley J, Gambäck B, Hansen P, Mival O, Webb N, Cavazza M. 2011. Interaction strategies for an affective conversational agent. Presence: Teleoperators and Virtual Environments. 20(5):395-411. [https://doi.org/10.1162/PRES\\_a\\_00063](https://doi.org/10.1162/PRES_a_00063)

Hammouda I, Koskimies K, Mikkonen T. 2011. Managing concern knowledge in software systems. INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING. 21(7):957-987. <https://doi.org/10.1142/S0218194011005566>

Bulling A, Brône G, Cheng S, Majaranta P. 2012. 2nd international workshop on pervasive eye tracking and mobile eye-based interaction (PETMEI 2012): Proposal for a workshop (mini-track) at UbiComp 2012. teoksessa UbiComp'12 - Proceedings of the 2012 ACM Conference on Ubiquitous Computing. Sivut 673-676.

Lavazza L, Morasca S, Taibi D, Tosi D. 2012. An empirical investigation of perceived reliability of open source Java programs. teoksessa 27th Annual ACM Symposium on Applied Computing, SAC 2012. Sivut 1109-1114. <https://doi.org/10.1145/2245276.2231951>

Räihä KJ, Ovaska S. 2012. An exploratory study of eye typing fundamentals: Dwell time, text entry rate, errors, and workload. teoksessa Conference Proceedings - The 30th ACM Conference on Human Factors in Computing Systems, CHI 2012. Sivut 3001-3010. <https://doi.org/10.1145/2207676.2208711>

Väättäjä H, Egglestone P. 2012. Briefing news reporting with mobile assignments - Perceptions, needs and challenges. teoksessa Proceedings of the ACM 2012 conference on Computer Supported Cooperative Work CSCW'12 Seattle, WA, USA, February 11-15, 2012. New York, NY: ACM. Sivut 485-494. (ACM Conference on Computer Supported Cooperative Work). <https://doi.org/10.1145/2145204.2145280>

Gizatdinova Y, Špakov O, Surakka V. 2012. Comparison of video-based pointing and selection techniques for hands-free text entry. teoksessa Proceedings of the Working Conference on Advanced Visual Interfaces, AVI 2012. Sivut 132-139. <https://doi.org/10.1145/2254556.2254582>

Martin B, Isokoski P, Karmann G, Rollinger T. 2012. Continuous Edgewrite: Dictionary-based disambiguation instead of explicit segmentation by the user. teoksessa Proceedings of the Working Conference on Advanced Visual Interfaces, AVI 2012. Sivut 357-364. <https://doi.org/10.1145/2254556.2254625>

Kristensson PO, Clawson J, Dunlop M, Isokoski P, Roark B, Vertanen K, Waller A, Wobbrock J. 2012. Designing and evaluating text entry methods. teoksessa Extended Abstracts - The 30th ACM Conference on Human Factors in Computing Systems, CHI 2012. Sivut 2747-2750. <https://doi.org/10.1145/2212776.2212711>

Špakov O, Majaranta P. 2012. Enhanced gaze interaction using simple head gestures. teoksessa UbiComp'12 - Proceedings of the 2012 ACM Conference on Ubiquitous Computing. Sivut 705-710.

Mineraud J, Donnelly W, Balasubramaniam S, Kangasharju J. 2012. FS-PGBR: A scalable and delay sensitive cloud routing protocol. teoksessa Proceedings of the ACM SIGCOMM 2012 and Best Papers of the Co-located Workshops. 4 toim. Sivut 301-302. <https://doi.org/10.1145/2377677.2377741>

Kim S, Kawahara Y, Tentzeris MM. 2012. Inkjet-printed monopole antennas for enhanced-range WBAN and wearable biomonitring application. teoksessa MobileHealth'12 - Proceedings of the 2nd ACM International Workshop on Pervasive Wireless Healthcare. Sivut 33-38. <https://doi.org/10.1145/2248341.2248355>

Alam MH, Ha JW, Lee SK. 2012. Novel approaches to crawling important pages early. Knowledge and Information Systems. 33(3):707-734. <https://doi.org/10.1007/s10115-012-0535-4>

Lavazza L, Morasca S, Taibi D, Tosi D. 2012. On the definition of dynamic software measures. International Symposium on Empirical Software Engineering and Measurement. 39-48. <https://doi.org/10.1145/2372251.2372259>

Wu S, Shen CC, Sane N, Davis K, Bhattacharyya SS. 2012. Parameterized scheduling for signal processing systems using topological patterns. teoksessa 2012 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2012 - Proceedings. Sivut 1561-1564. <https://doi.org/10.1109/ICASSP.2012.6288190>

Fikadu MK, Elmusrati M, Virrankoski R. 2012. Power allocation in multi-node cooperative network in Rician fading channels. teoksessa 2012 IEEE 8th International Conference on Wireless and Mobile Computing, Networking and Communications, WiMob 2012. Sivut 496-501. <https://doi.org/10.1109/WiMOB.2012.6379119>

Kawahara Y, Lee H, Tentzeris MM. 2012. SenSprout: Inkjet-printed soil moisture and leaf wetness sensor. teoksessa UbiComp'12 - Proceedings of the 2012 ACM Conference on Ubiquitous Computing. Sivut 545.

Nanavati AA, Rajput N, Rudnicky AI, Turunen M, Sandholm T, Munteanu C, Penn G. 2012. SiMPE: 7th Workshop on speech and sound in mobile and pervasive environments. teoksessa MobileHCI'12 - Companion Proceedings of the 14th International Conference on Human Computer Interaction with Mobile Devices and Services. Sivut 251-253. <https://doi.org/10.1145/2371664.2371727>

Zhou Z, Shen CC, Plishker W, Wu HH, Bhattacharyya SS. 2012. Systematic integration of flowgraph- and module-level parallelism in implementation of DSP applications on multiprocessor systems-on-chip. teoksessa ICSP 2012 - 2012 11th International Conference on Signal Processing, Proceedings. Sivut 402-408. <https://doi.org/10.1109/ICoSP.2012.6491686>

Kumpulainen S, Järvelin K. 2012. Barriers to task-based information access in molecular medicine. JOURNAL OF THE ASSOCIATION FOR INFORMATION SCIENCE AND TECHNOLOGY. 63(1):86-97. <https://doi.org/10.1002/asi.21672>

Keskinen T, Heimonen T, Turunen M, Rajaniemi JP, Kauppinen S. 2012. SymbolChat: A flexible picture-based communication platform for users with intellectual disabilities. Interacting with Computers. 24(5):374-386. <https://doi.org/10.1016/j.intcom.2012.06.003>

Makni N, Puech P, Colin P, Azzouzi A, Mordon S, Betrouni N. 2012. Elastic image registration for guiding focal laser ablation of prostate cancer: Preliminary results. Computer Methods and Programs in Biomedicine. 108(1):213-223. <https://doi.org/10.1016/j.cmpb.2012.04.001>

Leen G, Peltonen J, Kaski S. 2012. Focused multi-task learning in a Gaussian process framework. Machine Learning. 89(1-2):157-182. <https://doi.org/10.1007/s10994-012-5302-y>

Luhtala M, Turunen M, Hakulinen J, Keskinen T. 2013. 'Aie-studio' - A pragmatist aesthetic approach for procedural sound design. teoksessa Proceedings of the 8th Audio Mostly: A Conference on Interaction with Sound, AM 2013 - In Cooperation with ACM SIGCHI. Association for Computing Machinery. <https://doi.org/10.1145/2544114.2544124>

Petrov V, Komar M, Koucheryavy Y. 2013. A lightweight many-to-many authentication protocol for near field communications. teoksessa Proceedings of the 2013 21st IEEE International Conference on Network Protocols, ICNP 2013. IEEE COMPUTER SOCIETY PRESS. <https://doi.org/10.1109/ICNP.2013.6733633>

Rakkolainen I, Sand A. 2013. A movable immaterial volumetric display. teoksessa SIGGRAPH Asia 2013 Posters, SA 2013. <https://doi.org/10.1145/2542302.2542305>

Nummenmaa J, Marttila-Kontio M, Nummenmaa T. 2013. Checking visual data flow programs with finite process models. teoksessa 13th Symposium on Programming Languages and Software Tools, SPLST 2013 - Proceedings. University of Szeged. Sivut 245-258.

Iosifidis A, Tefas A, Pitas I. 2013. Dynamic action recognition based on dynemes and Extreme Learning Machine. Pattern Recognition Letters. 34(15):1890-1898. <https://doi.org/10.1016/j.patrec.2012.10.019>

Cui Y, Kangas J, Holm J, Grassel G. 2013. Front-camera video recordings as emotion responses to mobile photos shared within close-knit groups. teoksessa CHI 2013: Changing Perspectives, Conference Proceedings - The 31st Annual CHI Conference on Human Factors in Computing Systems. Sivut 981-990. <https://doi.org/10.1145/2470654.2466125>

Fuccella V, Isokoski P, Martin B. 2013. Gestures and widgets: Performance in text editing on multi-touch capable mobile devices. teoksessa CHI 2013: Changing Perspectives, Conference Proceedings - The 31st Annual CHI Conference on Human Factors in Computing Systems. Sivut 2785-2794. <https://doi.org/10.1145/2470654.2481385>

Ellervee P, Nurmi J. 2013. Guest editorial. Microprocessors and Microsystems. 37(4-5):430-431. <https://doi.org/10.1016/j.micpro.2013.05.002>

Ihantola P, Helminen J, Karavirta V. 2013. How to study programming on mobile touch devices - Interactive Python code exercises. teoksessa Proceedings - 13th Koli Calling International Conference on Computing Education Research, Koli Calling 2013. Sivut 51-58. <https://doi.org/10.1145/2526968.2526974>

Peltonen J, Lin Z. 2013. Information retrieval perspective to meta-visualization. Journal of Machine Learning Research. 29:165-180.

Lebeda K, Hadfield S, Matas J, Bowden R. 2013. Long-term tracking through failure cases. teoksessa Proceedings - 2013 IEEE International Conference on Computer Vision Workshops, ICCVW 2013. Institute of Electrical and Electronics Engineers Inc. Sivut 153-160. <https://doi.org/10.1109/ICCVW.2013.26>

Sand A, Rakkolainen I. 2013. Mixed reality with multimodal head-mounted pico projector. teoksessa Proceedings of the Virtual Reality International Conference on Laval Virtual, VRIC 2013. <https://doi.org/10.1145/2466816.2466831>

Iosifidis A, Tefas A, Pitas I. 2013. On the optimal class representation in linear discriminant analysis. IEEE Transactions on Neural Networks and Learning Systems . 24(9):1491-1497. <https://doi.org/10.1109/TNNLS.2013.2258937>

Kawahara Y, Bian X, Shigeta R, Vyas R, Tentzeris MM, Asami T. 2013. Power harvesting from microwave oven electromagnetic leakage. teoksessa UbiComp 2013 - Proceedings of the 2013 ACM International Joint Conference on Pervasive and Ubiquitous Computing. Sivut 373-381. <https://doi.org/10.1145/2493432.2493500>

Sharmin S, Špakov O, Rähkä KJ. 2013. Reading on-screen text with gaze-based auto-scrolling. teoksessa Proceedings of the 2013 Conference on Eye Tracking South Africa, ETSA 2013. Sivut 24-31. <https://doi.org/10.1145/2509315.2509319>

Helminen J, Ihantola P, Karavirta V. 2013. Recording and analyzing in-browser programming sessions. teoksessa Proceedings - 13th Koli Calling International Conference on Computing Education Research, Koli Calling 2013. Sivut 13-22. <https://doi.org/10.1145/2526968.2526970>

Nanavati AA, Rajput N, Srivastava S, Erkut C, Jylhä A, Rudnicky AI, Serafin S, Turunen M. 2013. SiMPE: 8th workshop on speech and sound in mobile and pervasive environments. teoksessa MobileHCI 2013 - Proceedings of the 15th International Conference on Human-Computer Interaction with Mobile Devices and Services. Sivut 626-629. <https://doi.org/10.1145/2493190.2499471>

Kristan M, Pflugfelder R, Leonardis A, Matas J, Porikli F, Čehovin L, Nebehay G, Fernandez G, Vojíš T, Gatt A, Khajenezhad A, Salahledin A, Soltani-Farani A, Zarezade A, Petrosino A, Milton A, Bozorgtabar B, Li B, Chan CS, Heng C, Ward D, Kearney D, Monekosso D, Karaimer HC, Rabiee HR, Zhu J, Gao J, Xiao J, Zhang J, Xing J, Huang K, Lebeda K, Cao L, Maresca ME, Lim MK, ELHelw M, Felsberg M, Remagnino P, Bowden R, Goecke R, Stolkin R, Lim SYY, Maher S, Poullot S, Wong S, Satoh SI, Chen W, Hu W, Zhang X, Li Y, Niu Z. 2013. The visual object tracking VOT2013 challenge results. teoksessa Proceedings - 2013 IEEE International Conference on Computer Vision Workshops, ICCVW 2013. Institute of Electrical and Electronics Engineers Inc. Sivut 98-111. <https://doi.org/10.1109/ICCVW.2013.20>

Rantala J, Salminen K, Raisamo R, Surakka V. 2013. Touch gestures in communicating emotional intention via vibrotactile stimulation. International Journal of Human-Computer Studies. 71(6):679-690. <https://doi.org/10.1016/j.ijhcs.2013.02.004>

Lee D, Wolf M, Bhattacharyya SS. 2013. High-performance and low-energy buffer mapping method for multiprocessor DSP systems. ACM Transactions on Embedded Computing Systems. 12(3). <https://doi.org/10.1145/2442116.2442132>

Liuhanen S, Sallialmi M, Pettilä V, Oksala N, Tenhunen J. 2013. Indirect measurement of the vascular endothelial glycocalyx layer thickness in human submucosal capillaries with a plug-in for ImageJ. Computer Methods and Programs in Biomedicine. 110(1):38-47. <https://doi.org/10.1016/j.cmpb.2012.10.019>

Evreinova TV, Evreinov G, Raisamo R. 2013. An evaluation of the virtual curvature with the StickGrip haptic device: A case study. Universal Access in the Information Society. 12(2):161-173. <https://doi.org/10.1007/s10209-012-0273-0>

Iosifidis A, Tefas A, Pitas I. 2013. Multi-view action recognition based on action volumes, fuzzy distances and cluster discriminant analysis. Signal Processing. 93(6):1445-1457. <https://doi.org/10.1016/j.sigpro.2012.08.015>

Cho I, Shen CC, Tachwali Y, Hsu CJ, Bhattacharyya SS. 2013. Configurable, resource-optimized FFT architecture for OFDM communication. teoksessa 2013 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2013 - Proceedings. Sivut 2746-2750. <https://doi.org/10.1109/ICASSP.2013.6638156>

Hautala I, Boutellier J, Hannuksela J. 2013. Programmable lowpower implementation of the HEVC Adaptive Loop Filter. teoksessa 2013 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2013 - Proceedings. Sivut 2664-2668. <https://doi.org/10.1109/ICASSP.2013.6638139>

Yviquel H, Boutellier J, Raulet M, Casseau E. 2013. Automated design of networks of transport-triggered architecture processors using dynamic dataflow programs. Signal Processing: Image Communication. 28(10):1295-1302. <https://doi.org/10.1016/j.image.2013.08.013>

Mouaffo A, Taibi D, Jamboti K. 2014. Controlled experiments comparing fault-tree-based safety analysis techniques. teoksessa 18th International Conference on Evaluation and Assessment in Software Engineering, EASE 2014. Association for Computing Machinery (ACM). <https://doi.org/10.1145/2601248.2601255>

Bhattacharyya SS, Van Der Schaar M, Atan O, Tekin C, Sudusinghe K. 2014. Data-driven stream mining systems for computer vision. teoksessa Advances in Computer Vision and Pattern Recognition. SPRINGER-VERLAG LONDON LTD. Sivut 249-264. (Advances in Computer Vision and Pattern Recognition). [https://doi.org/10.1007/978-3-319-09387-1\\_12](https://doi.org/10.1007/978-3-319-09387-1_12)

Kangas J, Akkil D, Rantala J, Isokoski P, Majaranta P, Raisamo R. 2014. Gaze gestures and haptic feedback in mobile devices. teoksessa CHI 2014: One of a CHIInd - Conference Proceedings, 32nd Annual ACM Conference on Human Factors in Computing Systems. Association for Computing Machinery. Sivut 435-438. <https://doi.org/10.1145/2556288.2557040>

Rantala J, Isokoski P, Kangas J, Raisamo R, Akkil D. 2014. Glasses with haptic feedback of gaze gestures. teoksessa CHI EA 2014: One of a CHIInd - Extended Abstracts, 32nd Annual ACM Conference on Human Factors in Computing Systems. Association for Computing Machinery. Sivut 1597-1602. <https://doi.org/10.1145/2559206.2581163>

Ilves M, Gizatdinova Y, Surakka V, Vankka E. 2014. Head movement and facial expressions as game input. Entertainment Computing. 5(3):147-156. <https://doi.org/10.1016/j.entcom.2014.04.005>

Ruotsalo T, Peltonen J, Eugster MJA, Glowacka D, Reijonen A, Jacucci G, Myllymäki P, Kaski S. 2014. IntentRadar: Search user interface that anticipates user's search intents. teoksessa CHI EA 2014: One of a CHIInd - Extended Abstracts, 32nd Annual ACM Conference on Human Factors in Computing Systems. Association for Computing Machinery. Sivut 455-458. <https://doi.org/10.1145/2559206.2574807>

Olsson T. 2014. Layers of user expectations of future technologies: An early framework. teoksessa CHI EA 2014: One of a CHIInd - Extended Abstracts, 32nd Annual ACM Conference on Human Factors in Computing Systems. Association for Computing Machinery. Sivut 1957-1962. <https://doi.org/10.1145/2559206.2581225>

Nyländén T, Boutellier J, Nikunen K, Hannuksela J, Silvén O. 2014. Low-Power Reconfigurable Miniature Sensor Nodes for Condition Monitoring. International Journal of Parallel Programming. 43(1):3-23. <https://doi.org/10.1007/s10766-013-0302-5>

Iosifidis A, Tefas A, Pitas I. 2014. Minimum Variance Extreme Learning Machine for human action recognition. teoksessa ICASSP, IEEE International Conference on Acoustics, Speech and Signal Processing - Proceedings. The Institute of Electrical and Electronics Engineers, Inc. Sivut 5427-5431. <https://doi.org/10.1109/ICASSP.2014.6854640>

Li X, Zhang Z, Nummenmaa J. 2014. Models for mobile application maintenance based on update history. teoksessa ENASE 2014 - Proceedings of the 9th International Conference on Evaluation of Novel Approaches to Software Engineering. SCITEPRESS. Sivut 212-217.

Kovács P, Samiee K, Gabbouj M. 2014. On application of rational Discrete Short Time Fourier Transform in epileptic seizure classification. teoksessa 2014 IEEE International Conference on Acoustics, Speech and Signal processing (ICASSP), May 4-9 2014, Florence, Italy. Piscataway: IEEE. Sivut 5839-5843. (IEEE International Conference on Acoustics, Speech and Signal Processing). <https://doi.org/10.1109/ICASSP.2014.6854723>

Jarusriboonchai P, Olsson T, Ojala J, Väänänen-Vainio-Mattila K. 2014. Opportunities and Challenges of Mobile Applications as "Tickets-to-Talk": A Scenario-Based User Study. teoksessa Proceedings of the 13th International Conference on Mobile and Ubiquitous Multimedia, MUM2014, November 25-28, 2014, Melbourne, Australia. New York, NY: ACM. Sivut 89-97. (International conference on mobile and ubiquitous multimedia). <https://doi.org/10.1145/2677972.2677993>

Bunte K, Järvisalo M, Berg J, Myllymäki P, Peltonen J, Kaski S. 2014. Optimal neighborhood preserving visualization by Maximum satisfiability. teoksessa Proceedings of the National Conference on Artificial Intelligence. AI Access Foundation. Sivut 1694-1700.

Yang Z, Peltonen J, Kaski S. 2014. Optimization equivalence of divergences improves neighbor embedding. teoksessa 31st International Conference on Machine Learning, ICML 2014. International Machine Learning Society (IMLS). Sivut 1808-1839.

Haaranen L, Hakulinen L, Ihantola P, Korhonen A. 2014. Software architectures for implementing achievement badges - Practical experiences. teoksessa Proceedings - 2014 International Conference on Teaching and Learning in Computing and Engineering, LATICE 2014. IEEE COMPUTER SOCIETY PRESS. Sivut 41-46.

<https://doi.org/10.1109/LaTiCE.2014.16>

McAllister J, Guevorkian D, Jeschke H, Sima M. 2014. Special Issue on Embedded Computer Systems: Architectures, Modeling and Simulation. *International Journal of Parallel Programming*. 43(1). <https://doi.org/10.1007/s10766-014-0321-x>

Clawson J, Isokoski P, Brewster S, Oulasvirta A, Dunlop M, Vertanen K, Kristensson PO, Waller A. 2014. The usability of text entry systems now and in the future. teoksessa CHI EA 2014: One of a ChiNd - Extended Abstracts, 32nd Annual ACM Conference on Human Factors in Computing Systems. Association for Computing Machinery. Sivut 1139-1142. <https://doi.org/10.1145/2559206.2559217>

Paladi N, Michalas A, Gehrman C. 2014. Domain based storage protection with secure access control for the cloud. teoksessa SCC 2014 - Proceedings of the 2nd International Workshop on Security in Cloud Computing. Association for Computing Machinery. Sivut 35-42. <https://doi.org/10.1145/2600075.2600082>

Michalas A, Komninos N. 2014. The lord of the sense: A privacy preserving reputation system for participatory sensing applications. teoksessa 2014 IEEE Symposium on Computers and Communications, ISCC 2014 - Proceedings. Institute of Electrical and Electronics Engineers Inc. <https://doi.org/10.1109/ISCC.2014.6912480>

Lauren S, Maki P, Rauti S, Hosseinzadeh S, Hyrynsalmi S, Leppanen V. 2014. Symbol diversification of linux binaries. teoksessa 2014 World Congress on Internet Security, WorldCIS 2014. Institute of Electrical and Electronics Engineers Inc. Sivut 74-79. <https://doi.org/10.1109/WorldCIS.2014.7028170>

Farooq A, Evreinov G, Raisamo R, Mäkinen E, Nukarinen T, Majeed AA. 2014. Developing novel multimodal interaction techniques for touchscreen in-vehicle infotainment systems. teoksessa ICOSST 2014 - 2014 International Conference on Open Source Systems and Technologies, Proceedings. Institute of Electrical and Electronics Engineers Inc. Sivut 32-42. <https://doi.org/10.1109/ICOSST.2014.7029317>

Farooq A, Evreinov G, Raisamo R, Majeed AA. 2014. Haptic user interface enhancement system for touchscreen based interaction: A novel system for multimodal interaction with touchscreen interfaces. teoksessa ICOSST 2014 - 2014 International Conference on Open Source Systems and Technologies, Proceedings. Institute of Electrical and Electronics Engineers Inc. Sivut 25-31. <https://doi.org/10.1109/ICOSST.2014.7029316>

Dehmer M, Emmert-Streib F, Grabner M. 2014. A computational approach to construct a multivariate complete graph invariant. *Information Sciences*. 260:200-208. <https://doi.org/10.1016/j.ins.2013.11.008>

Oftadeh R, Aref MM, Ghabcheloo R, Mattila J. 2014. System integration for real-time mobile manipulation. *international Journal of Advanced Robotic Systems*. 11(1). <https://doi.org/10.5772/58467>

Pajarinen J, Hottinen A, Peltonen J. 2014. Optimizing spatial and temporal reuse in wireless networks by decentralized partially observable markov decision processes. *IEEE Transactions on Mobile Computing*. 13(4):866-879. <https://doi.org/10.1109/TMC.2013.39>

Syed MMM, Hammouda I, Systä T. 2014. Prediction models and techniques for Open Source Software projects: A systematic literature review. *International Journal of Open Source Software and Processes*. 5(2):1-39. <https://doi.org/10.4018/ijossp.2014040101>

Eloranta V-P. 2014. Patterns for controlling chaos in a startup. teoksessa VikingPLoP 2014 Proceedings of the 8th Nordic Conference on Pattern Languages of Programs. Association for Computing Machinery. Sivut 1-8. (ACM International Conference Proceeding Series). <https://doi.org/10.1145/2676680.2676682>

Leppänen M. 2014. Two patterns for minimizing human resources in a startup. teoksessa VikingPLoP 2014 Proceedings of the 8th Nordic Conference on Pattern Languages of Programs (VikingPLoP) . ACM. <https://doi.org/10.1145/2676680.2676686>



- Lenarduzzi V, Morasca S, Taibi D. 2014. Estimating software development effort based on phases. teoksessa Proceedings - 40th Euromicro Conference Series on Software Engineering and Advanced Applications, SEAA 2014. Institute of Electrical and Electronics Engineers Inc. Sivut 305-308. <https://doi.org/10.1109/SEAA.2014.54>
- Diebold P, Dieudonne L, Taibi D. 2014. Process configuration framework tool. teoksessa Proceedings - 40th Euromicro Conference Series on Software Engineering and Advanced Applications, SEAA 2014. Institute of Electrical and Electronics Engineers Inc. Sivut 389-390. <https://doi.org/10.1109/SEAA.2014.28>
- Nukarinen T, Raisamo R, Farooq A, Evreinov G, Surakka V. 2014. Effects of directional haptic and non-speech audio cues in a cognitively demanding navigation task. teoksessa Proceedings of the NordiCHI 2014: The 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational. Association for Computing Machinery, Inc. Sivut 61-64. <https://doi.org/10.1145/2639189.2639231>
- Käki K, Špakov O, Majaranta P, Kangas J. 2014. Effects of haptic feedback on gaze based auto scrolling. teoksessa Proceedings of the NordiCHI 2014: The 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational. Association for Computing Machinery, Inc. Sivut 947-950. <https://doi.org/10.1145/2639189.2670247>
- Räihä KJ, Sharmin S. 2014. Gaze-contingent scrolling and reading patterns. teoksessa Proceedings of the NordiCHI 2014: The 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational. Association for Computing Machinery, Inc. Sivut 65-68. <https://doi.org/10.1145/2639189.2639242>
- Pirhonen A, Parviainen J, Tuuri K, Turunen M, Heimonen T. 2014. Human-technology choreographies: Re-thinking body, movement and space in interaction design. teoksessa Proceedings of the NordiCHI 2014: The 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational. Association for Computing Machinery, Inc. Sivut 841-844. <https://doi.org/10.1145/2639189.2654843>
- Övermark R, Isokoski P, Ovaska S. 2014. Seniors and text messaging on mobile touchscreen phones. teoksessa Proceedings of the NordiCHI 2014: The 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational. Association for Computing Machinery, Inc. Sivut 967-970. <https://doi.org/10.1145/2639189.2670252>
- Kaasinen E, Väättäjä H, Karvonen H, Lu Y. 2014. The fuzzy front end of experience design. teoksessa Proceedings of the NordiCHI 2014: The 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational. New York, NY: ACM. Sivut 797-800. (Nordic conference on human-computer interaction). <https://doi.org/10.1145/2639189.2654829>
- Kangas J, Akkil D, Rantala J, Isokoski P, Majaranta P, Raisamo R. 2014. Using gaze gestures with haptic feedback on glasses. teoksessa Proceedings of the NordiCHI 2014: The 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational. Association for Computing Machinery, Inc. Sivut 1047-1050. <https://doi.org/10.1145/2639189.2670272>
- Iosifidis A, Tefas A, Pitas I. 2014. Discriminant Bag of Words based representation for human action recognition. Pattern Recognition Letters. 49:185-192. <https://doi.org/10.1016/j.patrec.2014.07.011>
- Iosifidis A, Tefas A, Pitas I. 2014. Kernel reference discriminant analysis. Pattern Recognition Letters. 49:85-91. <https://doi.org/10.1016/j.patrec.2014.06.013>
- Sharma S, Srivastava S, Sorathia K, Hakulinen J, Heimonen T, Turunen M, Rajput N. 2014. Body-touching: An embodied interaction technique for health information systems in developing regions. teoksessa MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc. Sivut 49-56. <https://doi.org/10.1145/2676467.2676514>
- Luhtala M, Heimonen T, Mäkelä V, Keskinen T, Turunen M, Saarinen S. 2014. DYNAMO sound engine - Exploring the aesthetics of dynamic sound interactions. teoksessa MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc. Sivut 159-166. <https://doi.org/10.1145/2676467.2676522>

- Franssila H, Okkonen J, Savolainen R. 2014. Email intensity, productivity and control in the knowledge worker's performance on the desktop. teoksessa MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc. Sivut 19-22. <https://doi.org/10.1145/2676467.2676513>
- Salmela JM, Thanisch P, Sotamaa O, Niemi T. 2014. Games and energy: Profiling power usage during play. teoksessa MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc. Sivut 192-199. <https://doi.org/10.1145/2676467.2676488>
- Nummenmaa T, Kultima A, Tyni H, Alha K. 2014. MurMur Moderators, the talking playful seats. teoksessa MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc. Sivut 231-237. <https://doi.org/10.1145/2676467.2676505>
- Kultima A, Nummenmaa T, Tyni H, Alha K, Mayra F. 2014. Goofy Mus, grumpy Mur and dirty Muf: Talking playful seats with personalities. teoksessa ACE 2014 - 11th Advances in Computer Entertainment Technology Conference, Workshops Proceedings. Association for Computing Machinery. <https://doi.org/10.1145/2693787.2693790>
- Mäkelä V, Heimonen T, Luhtala M, Turunen M. 2014. Information wall: Evaluation of a gesture-controlled public display. teoksessa ACE 2014 - 11th Advances in Computer Entertainment Technology Conference, Proceedings. Association for Computing Machinery. Sivut 228-231. <https://doi.org/10.1145/2677972.2677998>
- Keskinen T, Hakulinen J, Turunen M, Heimonen T, Sand A, Paavilainen J, Parviainen J, Yrjänäinen S, Mäyrä F, Okkonen J, Raisamo R. 2014. Schoolchildren's user experiences on a physical exercise game utilizing lighting and audio. *Entertainment Computing*. 5(4):475-484. <https://doi.org/10.1016/j.entcom.2014.08.009>
- Efimushkina T, Gabbouj M, Samuylov K. 2015. Analytical model in discrete time for cross-layer video communication over LTE. *Automatic Control and Computer Sciences*. 48(6):345-357. <https://doi.org/10.3103/S0146411614060029>
- Malinen S, Nurkka P. 2015. Cultural influence on online community use: A cross-cultural study on online exercise diary users of three nationalities. *International Journal of Web Based Communities*. 11(2):153-169. <https://doi.org/10.1504/IJWBC.2015.068539>
- Suonsyrjä S, Mikkonen T. 2015. Designing an Unobtrusive Analytics Framework for Monitoring Java Applications. Kobylński A, Czarnacka-Chrobot B, Świerczek J, Toimittajat. teoksessa *Software Measurement: 25th International Workshop on Software Measurement and 10th International Conference on Software Process and Product Measurement, IWSM-Mensura 2015, Kraków, Poland, October 5–7, 2015, Proceedings*. Springer International Publishing. Sivut 160-175. (Lecture Notes in Business Information Processing). [https://doi.org/10.1007/978-3-319-24285-9\\_11](https://doi.org/10.1007/978-3-319-24285-9_11)
- Pertilä P, Nikunen J. 2015. Distant speech separation using predicted time-frequency masks from spatial features. *Speech Communication*. 68:97-106. <https://doi.org/10.1016/j.specom.2015.01.006>
- Sharmin S, Špakov O, Rähä KJ. 2015. Dynamic text presentation in print interpreting - An eye movement study of reading behaviour. *International Journal of Human-Computer Studies*. 78:17-30. <https://doi.org/10.1016/j.ijhcs.2015.01.010>
- Yang Z, Peltonen J, Kaski S. 2015. Majorization-minimization for manifold embedding. *Journal of Machine Learning Research*. 38:1088-1097.
- Valmari A. 2015. On constructibility and unconstructibility of LTS operators from other LTS operators. *Acta Informatica*. 52(2-3):207-234. <https://doi.org/10.1007/s00236-015-0217-2>
- Heinimäki TJ, Elomaa T. 2015. Quality measures for improving technology trees. *International Journal of Computer Games Technology*. 2015. <https://doi.org/10.1155/2015/975371>

- Dricot A, Jung J, Cagnazzo M, Pesquet B, Dufaux F, Kovács P, Adhikarla VK. 2015. Subjective evaluation of Super Multi-View compressed contents on high-end light-field 3D displays. *Signal Processing: Image Communication*. 39(Part B):369–385. <https://doi.org/10.1016/j.image.2015.04.012>
- Ponomarenko N, Jin L, Ieremeiev O, Lukin V, Egiazarian K, Astola J, Vozel B, Chehdi K, Carli M, Battisti F, Jay Kuo CC. 2015. Image database TID2013: Peculiarities, results and perspectives. *Signal Processing: Image Communication*. 30:57-77. <https://doi.org/10.1016/j.image.2014.10.009>
- Verginadis Y, Michalas A, Gouvas P, Schiefer G, Hübsch G, Paraskakis I. 2015. PaaSWord: A holistic data privacy and security by design framework for cloud services. *teoksessa CLOSER 2015 - 5th International Conference on Cloud Computing and Services Science, Proceedings*. SCITEPRESS. Sivut 206-213.
- Hasan M, Hossain E, Balasubramaniam S, Koucheryavy Y. 2015. Social behavior in bacterial nanonetworks: Challenges and opportunities. *IEEE Network*. 29(1):26-34. <https://doi.org/10.1109/MNET.2015.7018200>
- Joutsijoki H, Rasku J, Haponen M, Baldin I, Gizatdinova Y, Paci M, Saarikoski J, Varpa K, Siirtola H, Ávalos-Salguero J, Iltanen K, Laurikkala J, Penttinen K, Hyttinen J, Aalto-Setälä K, Juhola M. 2015. Classification of iPSC colony images using hierarchical strategies with support vector machines. *teoksessa IEEE SSCI 2014 - 2014 IEEE Symposium Series on Computational Intelligence - CIDM 2014: 2014 IEEE Symposium on Computational Intelligence and Data Mining, Proceedings*. The Institute of Electrical and Electronics Engineers, Inc. Sivut 86-92. <https://doi.org/10.1109/CIDM.2014.7008152>
- M. Aref M, Oftadeh R, Ghabcheloo R, Mattila J. 2015. Fault tolerant control architecture design for mobile manipulation in scientific facilities. *international Journal of Advanced Robotic Systems*. 12(4). <https://doi.org/10.5772/60038>
- Aflaki P, Hannuksela MM, Gabbouj M. 2015. Adaptive spatial resolution selection for stereoscopic video compression with MV-HEVC: A frequency based approach. *teoksessa 2014 IEEE International Symposium on Multimedia, ISM 2014, 10-12 Dec. 2014, Taichung*. The Institute of Electrical and Electronics Engineers, Inc. Sivut 267-270. <https://doi.org/10.1109/ISM.2014.11>
- Cricri F, Mate S, Curcio IDD, Gabbouj M. 2015. Salient event detection in basketball mobile videos. *teoksessa Proceedings - 2014 IEEE International Symposium on Multimedia, ISM 2014*. The Institute of Electrical and Electronics Engineers, Inc. Sivut 63-70. <https://doi.org/10.1109/ISM.2014.67>
- Nguyen-Thanh D, Le-Tien T, Bui-Thu C, Le-Thanh T. 2015. LTE indoor MIMO performances field measurements. *teoksessa International Conference on Advanced Technologies for Communications*. IEEE. Sivut 84-89. <https://doi.org/10.1109/ATC.2014.7043361>
- Iosifidis A, Tefas A, Pitas I. 2015. On the kernel Extreme Learning Machine classifier. *Pattern Recognition Letters*. 54:11-17. <https://doi.org/10.1016/j.patrec.2014.12.003>
- Leppänen M, Mäkinen S, Pagels M, Eloranta V-P, Itkonen J, Mäntylä MV, Männistö T. 2015. The highways and country roads to continuous deployment. *IEEE Software*. 32(2):64-72. <https://doi.org/10.1109/MS.2015.50>
- Iosifidis A, Marami E, Tefas A, Pitas I, Lyroudia K. 2015. The MOBISERV-AIIA eating and drinking multi-view database for vision-based assisted living. *Journal of Information Hiding and Multimedia Signal Processing*. 6(2):254-273.
- Andolina S, Klouche K, Peltonen J, Hoque M, Ruotsalo T, Cabral D, Klami A, Głowacka D, Floréen P, Jacucci G. 2015. Intentstreams: Smart parallel search streams for branching exploratory search. *teoksessa IUI 2015 - Proceedings of the 20th ACM International Conference on Intelligent User Interfaces*. Association for Computing Machinery. Sivut 300-305. <https://doi.org/10.1145/2678025.2701401>

- Akkil D, Kangas J, Rantala J, Isokoski P, Špakov O, Raisamo R. 2015. Glance awareness and gaze interaction in smartwatches. teoksessa CHI 2015 - Extended Abstracts Publication of the 33rd Annual CHI Conference on Human Factors in Computing Systems: Crossings. Association for Computing Machinery. Sivut 1271-1276. <https://doi.org/10.1145/2702613.2732816>
- Peltonen J, Lin Z. 2015. Information retrieval approach to meta-visualization. *Machine Learning*. 99(2):189-229. <https://doi.org/10.1007/s10994-014-5464-x>
- Rindell K, Hyrynsalmi S, Leppänen V. 2015. A comparison of security assurance support of agile software development methods. teoksessa *Computer Systems and Technologies - 16th International Conference, CompSysTech 2015: Proceedings*. Association for Computing Machinery. Sivut 61-68. <https://doi.org/10.1145/2812428.2812431>
- Ofstadeh R, Ghabcheloo R, Mattila J. 2015. A time-optimal bounded velocity path-following controller for generic Wheeled Mobile Robots. teoksessa *2015 IEEE International Conference on Robotics and Automation (ICRA)*, 26-30 May 2015, Seattle, WA. Institute of Electrical and Electronics Engineers IEEE. Sivut 676-683. <https://doi.org/10.1109/ICRA.2015.7139252>
- Silverajan B, Luoma J-P, Vajaranta M, Itäpuro R. 2015. Collaborative cloud-based management of home networks. teoksessa *Proceedings of the 2015 IFIP/IEEE International Symposium on Integrated Network Management, IM 2015*. IEEE. Sivut 786-789. <https://doi.org/10.1109/INM.2015.7140376>
- Saketi P, Wangyang P, Li H, Wang Q, Kallio P. 2015. Electroplated nickel microspring and low-friction precision linear slider: A novel micro-force sensing tool. teoksessa *2015 IEEE International Conference on Robotics and Automation (ICRA)*, 26-30 May 2015, Seattle, WA. Sivut 2679-2684. <https://doi.org/10.1109/ICRA.2015.7139561>
- Vihonen J, Honkakorpi J, Mattila J, Visa A. 2015. Novel pairwise coupled kinematic solution for algebraic angular acceleration estimation of serial link manipulators. teoksessa *2015 IEEE International Conference on Robotics and Automation (ICRA)*. Institute of Electrical and Electronics Engineers IEEE. Sivut 809-814. <https://doi.org/10.1109/ICRA.2015.7139271>
- Lauri M, Ritala R. 2015. Optimal sensing via multi-armed bandit relaxations in mixed observability domains. teoksessa *2015 IEEE International Conference on Robotics and Automation (ICRA)*, 26-30 May 2015, Seattle, WA. Sivut 4807-4812. <https://doi.org/10.1109/ICRA.2015.7139867>
- Aytekin C, Rezaeitabar Y, Dogru S, Ulusoy I. 2015. Railway fastener inspection by real-time machine vision. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*. 45(7):1101-1107. <https://doi.org/10.1109/TSMC.2014.2388435>
- Leppänen M, Hokkanen L. 2015. Four patterns for internal startups. teoksessa *Proceedings of the 20th European Conference on Pattern Languages of Programs, EuroPLoP 2015*. ACM. <https://doi.org/10.1145/2855321.2855327>
- Hokkanen L, Leppänen M. 2015. Three patterns for user involvement in startups. teoksessa *Proceedings of the 20th European Conference on Pattern Languages of Programs, EuroPLoP 2015*. ACM. <https://doi.org/10.1145/2855321.2855373>
- Mattila A-L, Lehtonen T, Terho H, Mikkonen T, Systä K. 2015. Mashing Up Software Issue Management, Development, and Usage Data. teoksessa *2015 IEEE/ACM 2nd International Workshop on Rapid Continuous Software Engineering (RCoSE)*. The Institute of Electrical and Electronics Engineers, Inc. Sivut 26-29. <https://doi.org/10.1109/RCoSE.2015.12>
- Ruohonen J, Hyrynsalmi S, Leppänen V. 2015. Exploring the Stability of Software with Time-Series Cross-Sectional Data. teoksessa *Proceedings - 2nd International Workshop on Software Architecture and Metrics, SAM 2015*. Institute of Electrical and Electronics Engineers Inc. Sivut 41-47. <https://doi.org/10.1109/SAM.2015.13>
- Hirvonen J, Kallio P. 2015. Automatic image-based detection and inspection of paper fibres for grasping. *IET Computer Vision*. 9(4):588-594. <https://doi.org/10.1049/iet-cvi.2014.0416>

- Azzari L, Foi A. 2015. Collaborative filtering based on group coordinates for smoothing and directional sharpening. teoksessa ICASSP, IEEE International Conference on Acoustics, Speech and Signal Processing - Proceedings. IEEE. Sivut 1573-1577. <https://doi.org/10.1109/ICASSP.2015.7178235>
- Iosifidis A, Tefas A, Pitas I. 2015. Enhancing class discrimination in Kernel Discriminant Analysis. teoksessa ICASSP, IEEE International Conference on Acoustics, Speech and Signal Processing - Proceedings. The Institute of Electrical and Electronics Engineers, Inc. Sivut 1926-1930. <https://doi.org/10.1109/ICASSP.2015.7178306>
- Baby D, Gemmeke JF, Virtanen T, Van Hamme H. 2015. Exemplar-based speech enhancement for deep neural network based automatic speech recognition. teoksessa ICASSP, IEEE International Conference on Acoustics, Speech and Signal Processing - Proceedings. The Institute of Electrical and Electronics Engineers, Inc. Sivut 4485-4489. <https://doi.org/10.1109/ICASSP.2015.7178819>
- Mygdalis V, Iosifidis A, Tefas A, Pitas I. 2015. Exploiting subclass information in one-class support vector machine for video summarization. teoksessa ICASSP, IEEE International Conference on Acoustics, Speech and Signal Processing - Proceedings. The Institute of Electrical and Electronics Engineers, Inc. Sivut 2259-2263. <https://doi.org/10.1109/ICASSP.2015.7178373>
- Dumitrescu B, Rusu C, Tabus I, Astola J. 2015. Low-complexity robust DOA estimation. teoksessa ICASSP, IEEE International Conference on Acoustics, Speech and Signal Processing - Proceedings. The Institute of Electrical and Electronics Engineers, Inc. Sivut 2794-2798. <https://doi.org/10.1109/ICASSP.2015.7178480>
- Barker T, Virtanen T, Pontoppidan NH. 2015. Low-Latency Sound-Source-Separation using Non-Negative Matrix Factorisation with Coupled Analysis and Synthesis Dictionaries. teoksessa 2015 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP). IEEE. Sivut 241-245. <https://doi.org/10.1109/ICASSP.2015.7177968>
- Hurmala A, Saeidi R, Virtanen T. 2015. Similarity induced group sparsity for non-negative matrix factorisation. teoksessa ICASSP, IEEE International Conference on Acoustics, Speech and Signal Processing - Proceedings. The Institute of Electrical and Electronics Engineers, Inc. Sivut 4425-4429. <https://doi.org/10.1109/ICASSP.2015.7178807>
- Ruotsalo T, Peltonen J, Eugster MJA, Glowacka D, Reijonen A, Jacucci G, Myllymäki P, Kaski S. 2015. Scinet: Interactive intent modeling for information discovery. teoksessa SIGIR 2015 - Proceedings of the 38th International ACM SIGIR Conference on Research and Development in Information Retrieval. Association for Computing Machinery, Inc. Sivut 1043-1044. <https://doi.org/10.1145/2766462.2767863>
- Nanavati AA, Rajput N, Turunen M, Knoche H, Rehm M. 2015. Mobiscool: 1<sup>st</sup> workshop on mobile, social and culturally oriented learning. teoksessa MobileHCI 2015 - Proceedings of the 17th International Conference on Human-Computer Interaction with Mobile Devices and Services Adjunct. Association for Computing Machinery, Inc. Sivut 1187-1190. <https://doi.org/10.1145/2786567.2795402>
- Ruohonen J, Hyrynsalmi S, Leppänen V. 2015. Software evolution and time series volatility: An empirical exploration. teoksessa 14th International Workshop on Principles of Software Evolution, IWPSE 2015 - Proceedings. Institute of Electrical and Electronics Engineers Inc. Sivut 56-65. <https://doi.org/10.1145/2804360.2804367>
- Heinimäki TJ, Elomaa T. 2015. Augmenting Technology Trees: Automation and Tool Support. teoksessa Proceedings of the Seventh International Conference on Virtual Worlds and Games for Serious Applications (VS-Games 2015). IEEE. Sivut 68-75. <https://doi.org/10.1109/VS-GAMES.2015.7295765>
- Rantala J, Kangas J, Isokoski P, Akkil D, Špakov O, Raisamo R. 2015. Haptic feedback of gaze gestures with glasses: Localization accuracy and effectiveness. teoksessa UbiComp and ISWC 2015 - Proceedings of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing and the Proceedings of the 2015 ACM International Symposium on Wearable Computers. Association for Computing Machinery, Inc. Sivut 855-862. <https://doi.org/10.1145/2800835.2804334>

Luhtala M, Karvonen T, Pylväs J, Ala-Kokko A, Magica R, Takeda Y, Turunen M. 2015. Antroposeeni - A mixed reality game. teoksessa ACADEMICMINDTREK 2015 - Proceedings of the 19th International Academic Mindtrek Conference. Association for Computing Machinery, Inc. Sivut 211-213. <https://doi.org/10.1145/2818187.2818287>

Nummenmaa T, Kultima A, Kankainen V, Savolainen S, Syvänen A, Alha K, Mäyrä F. 2015. OASIS deck of cards - House of colleagues: A playful. teoksessa ACADEMICMINDTREK 2015 - Proceedings of the 19th International Academic Mindtrek Conference. Association for Computing Machinery, Inc. Sivut 2-9. <https://doi.org/10.1145/2818187.2818296>

Huttunen H, Tohka J. 2015. Model selection for linear classifiers using Bayesian error estimation. *Pattern Recognition*. 48(11):3739-3748. <https://doi.org/10.1016/j.patcog.2015.05.005>

Iosifidis A, Tefas A, Pitas I. 2015. Sparse extreme learning machine classifier exploiting intrinsic graphs. *Pattern Recognition Letters*. 65:192-196. <https://doi.org/10.1016/j.patrec.2015.07.036>

Tretter A, Boutellier J, Guthrie J, Schor L, Thiele L. 2015. Executing dataflow actors as kahn processes. teoksessa 2015 Proceedings of the International Conference on Embedded Software, EMSOFT 2015. Institute of Electrical and Electronics Engineers Inc. Sivut 105-114. <https://doi.org/10.1109/EMSOFT.2015.7318265>

Kallioniemi P, Heimonen T, Turunen M, Hakulinen J, Keskinen T, Pihkala-Posti L, Okkonen J, Raisamo R. 2015. Collaborative navigation in virtual worlds: How gender and game experience influence user behavior. teoksessa Proceedings - VRST 2015: 21st ACM Symposium on Virtual Reality Software and Technology. Association for Computing Machinery. Sivut 173-182. <https://doi.org/10.1145/2821592.2821610>

Nummenmaa T, Tyni H, Kultima A, Alha K, Holopainen J. 2015. Need to touch, wonder of discovery, and social capital: Experiences with interactive playful seats. teoksessa ACE 2015 - 12th Advances in Computer Entertainment Technology Conference, Proceedings. Association for Computing Machinery. <https://doi.org/10.1145/2832932.2832959>

Jumisko-Pyykkö S, Markopoulos P, Hannuksela MM. 2015. Who is moving - User or device? Experienced quality of mobile 3D video in vehicles. teoksessa ACE 2015 - 12th Advances in Computer Entertainment Technology Conference, Proceedings. ACM. <https://doi.org/10.1145/2832932.2832948>

Ruohonen J, Hyrynsalmi S, Leppänen V. 2015. Time series trends in software evolution. *Journal of Software: Evolution and Process*. 27(12):990-1015. <https://doi.org/10.1002/smr.1755>

Valmari A. 2015. A State Space Tool for Concurrent System Models Expressed In C++. Nummenmaa J, Sievi-Korte O, Mäkinen E, Toimittajat. teoksessa SPLST 2015 Symposium on Programming Languages and Software Tools: Proceedings of the 14th Symposium on Programming Languages and Software Tools (SPLST'15) Tampere, Finland, Oct 9-10, 2015. CEUR-WS.org. Sivut 91-105. (CEUR Workshop Proceedings).

Riabchenko E, Kämäräinen J-K. 2015. Generative part-based Gabor object detector. *Pattern Recognition Letters*. 68(P1):1-8. <https://doi.org/10.1016/j.patrec.2015.08.004>

De Matos Simoes R, Mitsiades C, Williamson KE, Emmert-Streib F. 2015. Network signatures based on gene pair expression ratios improve classification and the analysis of muscle-invasive urothelial cancer. teoksessa 2015 IEEE International Conference on Bioinformatics and Biomedicine (BIBM). IEEE. Sivut 1216-1223. <https://doi.org/10.1109/BIBM.2015.7359855>

Gholibeigi M, Heijen G, Moltchanov D, Koucheryavy Y. 2016. Analysis of a receiver-based reliable broadcast approach for vehicular networks. *Ad Hoc Networks*. 37:63-75. <https://doi.org/10.1016/j.adhoc.2015.08.003>

Suonsyrjä S, Systä K, Mikkonen T, Terho H. 2016. Collecting usage data for software development: Selection framework for technological approaches. teoksessa Proceedings - SEKE 2016: 28th International Conference on Software Engineering and Knowledge Engineering. Knowledge Systems Institute Graduate School. Sivut 114-119. <https://doi.org/10.18293/SEKE2016-186>

Tohka J, Moradi E, Huttunen H, Alzheimer's Disease Neuroimaging Initiative, Alzheimer's Disease Neuroimaging Initiative 2. 2016. Comparison of Feature Selection Techniques in Machine Learning for Anatomical Brain MRI in Dementia. *Neuroinformatics*. 14(3):279-296. <https://doi.org/10.1007/s12021-015-9292-3>

Mehta R, Egiazarian K. 2016. Dominant Rotated Local Binary Patterns (DRLBP) for texture classification. *Pattern Recognition Letters*. 71:16-22. <https://doi.org/10.1016/j.patrec.2015.11.019>

Foi A, Boracchi G. 2016. Foveated Nonlocal Self-Similarity. *International Journal of Computer Vision*. 120(1):78-110. <https://doi.org/10.1007/s11263-016-0898-1>

Iosifidis A, Tefas A, Pitas I. 2016. Graph Embedded Extreme Learning Machine. *IEEE Transactions on Cybernetics*. 46(1):311 - 324. <https://doi.org/10.1109/TCYB.2015.2401973>

Ivanov S, Balasubramaniam S, Botvich D, Akan OB. 2016. Gravity gradient routing for information delivery in fog Wireless Sensor Networks. *Ad Hoc Networks*. 46:61-74. <https://doi.org/10.1016/j.adhoc.2016.03.011>

Voutilainen JP, Mattila AL, Systä K, Mikkonen T. 2016. HTML5-based mobile agents for Web-of-Things. *Informatica*. 40(1):43-51.

Afolaranmi SO, Gonzalez Moctezuma LE, Rak M, Casola V, Rios E, Martinez Lastra JL. 2016. Methodology to obtain the security controls in multi-cloud applications. teoksessa *CLOSER 2016 - Proceedings of the 6th International Conference on Cloud Computing and Services Science*. SCITEPRESS. Sivut 327-332. <https://doi.org/10.5220/0005912603270332>

Iosifidis A, Mygdalis V, Tefas A, Pitas I. 2016. One-Class Classification based on Extreme Learning and Geometric Class Information. *Neural Processing Letters*. 1-16. <https://doi.org/10.1007/s11063-016-9541-y>

Couceiro M, Lehtonen E. 2016. On the arity gap of finite functions: Results and applications. *Journal of Multiple-Valued Logic and Soft Computing*. 27(2-3):193-207.

Unterkalmsteiner M, Abrahamsson P, Wang XF, Nguyen-Duc A, Shah S, Bajwa SS, Baltés GH, Conboy K, Cullina E, Dennehy D, Edison H, Fernandez-Sanchez C, Garbajosa J, Gorschek T, Klotins E, Hokkanen L, Kon F, Lunesu I, Marchesi M, Morgan L, Oivo M, Selig C, Seppänen P, Sweetman R, Tyrväinen P, Ungerer C, Yagüe A. 2016. Software Startups - A Research Agenda. *e-Informatica Software Engineering Journal*. 10(1):89-123. <https://doi.org/10.5277/e-Inf160105>

Zemliachenko A, Lukin V, Ponomarenko N, Egiazarian K, Astola J. 2016. Still image/video frame lossy compression providing a desired visual quality. *Multidimensional Systems and Signal Processing*. 27(3):697-718. <https://doi.org/10.1007/s11045-015-0333-8>

Lavazza L, Lenarduzzi V, Taibi D. 2016. Towards component-aware function point measurement. teoksessa *Proceedings - 26th International Workshop on Software Measurement, IWSM 2016 and the 11th International Conference on Software Process and Product Measurement, Mensura 2016*. IEEE. Sivut 35-44. <https://doi.org/10.1109/IWSM-Mensura.2016.017>

Hyrnsalmi S, Suominen A, Mäntymäki M. 2016. The influence of developer multi-homing on competition between software ecosystems. *Journal of Systems and Software*. 111:119-127. <https://doi.org/10.1016/j.jss.2015.08.053>

Tokola H, Niemi E, Väistö V. 2016. Lean manufacturing methods in simulation literature: Review and association analysis. teoksessa *2015 Winter Simulation Conference (WSC)*. Sivut 2239-2248. <https://doi.org/10.1109/WSC.2015.7408336>

Jarusriboonchai P, Malapaschas A, Olsson T, Väänänen K. 2016. Increasing collocated people's awareness of the mobile user's activities: A field trial of social displays. teoksessa *CSCW '16 - Proceedings of the 19th ACM Conference on Computer-Supported Cooperative Work & Social Computing*. ACM. Sivut 1691-1702. <https://doi.org/10.1145/2818048.2819990>

Jarusriboonchai P, Malapaschas A, Olsson T, Väänänen K. 2016. Social display...We can see what you are doing on your mobile device. teoksessa CSCW '16 Proceedings of the 19th ACM Conference on Computer-Supported Cooperative Work & Social Computing. ACM. Sivut 53-56. <https://doi.org/10.1145/2818052.2874323>

Garcia-Fernandez J. 2016. An Assessment of Errors and Their Reduction in Terrestrial Laser Scanner Measurements in Marmorean Surfaces. 3D Research. 7(1):1-11. <https://doi.org/10.1007/s13319-015-0077-0>

Strokina N, Matas J, Eerola T, Lensu L, Kälviäinen H. 2016. Detection of bubbles as concentric circular arrangements. Machine Vision and Applications. 27(3):387-396. <https://doi.org/10.1007/s00138-016-0749-7>

Mehta R, Egiazarian K. 2016. Texture classification using dense micro-block difference. IEEE Transactions on Image Processing. 25(4):1604-1616. <https://doi.org/10.1109/TIP.2016.2526898>

Helenius M, Kettunen P, Frank L. 2016. Learnings from the Finnish game industry. teoksessa Proceedings of the 10th Travelling Conference on Pattern Languages of Programs, VikingPLoP 2016. ACM. <https://doi.org/10.1145/3022636.3022648>

Rauhämäki J. 2016. Patterns for safety system bus architecture. teoksessa Proceedings of the 10th Travelling Conference on Pattern Languages of Programs, VikingPLoP 2016. ACM. <https://doi.org/10.1145/3022636.3022640>

Leppänen M, Hokkanen L. 2016. Patterns for subsidiaries as innovation tools. teoksessa Proceedings of the 10th Travelling Conference on Pattern Languages of Programs, VikingPLoP 2016. ACM. <https://doi.org/10.1145/3022636.3022643>

Partala T, Kujala S. 2016. Exploring the role of ten universal values in using products and services. Interacting with Computers. 28(3):311-331. <https://doi.org/10.1093/iwc/iwv007>

Smolander K, Rossi M, Pekkola S. 2016. Collaboration change in enterprise software development. teoksessa Proceedings - 9th International Workshop on Cooperative and Human Aspects of Software Engineering, CHASE 2016. ACM. Sivut 68-74. <https://doi.org/10.1145/2897586.2897590>

Mäkitalo N, Aaltonen T, Mikkonen T. 2016. Coordinating proactive social devices in a mobile cloud: Lessons learned and a way forward. teoksessa MOBILESoft '16 Proceedings of the International Conference on Mobile Software Engineering and Systems . ACM. Sivut 179-188. <https://doi.org/10.1145/2897073.2897079>

Lee K, Salem HB, Damarla T, Stechele W, Bhattacharyya SS. 2016. Prototyping real-Time tracking systems on mobile devices. teoksessa CF '16 Proceedings of the ACM International Conference on Computing Frontiers. ACM. Sivut 301-308. <https://doi.org/10.1145/2903150.2903471>

Daniel O, Raasakka J, Peltola P, Fröhle M, Rivero-Rodriguez A, Wymeersch H, Nurmi J. 2016. Blind sub-Nyquist GNSS signal detection. teoksessa 2016 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) . IEEE. Sivut 6575-6579. <https://doi.org/10.1109/ICASSP.2016.7472944>

Sarbu S. 2016. On Renyi's entropy estimation with one-dimensional Gaussian kernels. teoksessa 2016 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) . IEEE. Sivut 4408-4412. <https://doi.org/10.1109/ICASSP.2016.7472510>

Iosifidis A, Gabbouj M. 2016. Supervised subspace learning based on deep randomized networks. teoksessa 2016 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) . The Institute of Electrical and Electronics Engineers, Inc. Sivut 2584-2588. <https://doi.org/10.1109/ICASSP.2016.7472144>



Ilvonen V, Ihantola P, Mikkonen T. 2016. Dynamic software updating techniques in practice and Educator's guides: A review. teoksessa 2016 IEEE 29th International Conference on Software Engineering Education and Training (CSEET) . IEEE. Sivut 86-90. <https://doi.org/10.1109/CSEET.2016.16>

Lin S, Liu Y, Plishker W, Bhattacharyya SS. 2016. A design framework for mapping vectorized synchronous dataflow graphs onto CPU-GPU platforms. teoksessa Proceedings of the 19th International Workshop on Software and Compilers for Embedded Systems, SCOPES 2016. ACM. Sivut 20-29. <https://doi.org/10.1145/2906363.2906374>

Thabet M, Montebelli A, Kyrki V. 2016. Learning movement synchronization in multi-component robotic systems. teoksessa 2016 IEEE International Conference on Robotics and Automation (ICRA) . IEEE. Sivut 249-256. <https://doi.org/10.1109/ICRA.2016.7487141>

Välimäki T, Ritala R. 2016. Optimizing gaze direction in a visual navigation task. teoksessa 2016 IEEE International Conference on Robotics and Automation (ICRA) . IEEE. Sivut 1427-1432. <https://doi.org/10.1109/ICRA.2016.7487276>

Emmert-Streib F, Dehmer M, Shi Y. 2016. Fifty years of graph matching, network alignment and network comparison. Information Sciences. 346-347:180-197. <https://doi.org/10.1016/j.ins.2016.01.074>

Ruohonen J, Hyrynsalmi S, Leppänen V. 2016. Exploring the use of deprecated PHP releases in the wild internet: Still a LAMP issue?. teoksessa 6th International Conference on Web Intelligence, Mining and Semantics, WIMS 2016. Association for Computing Machinery. <https://doi.org/10.1145/2912845.2912851>

Venesvirta H, Surakka V, Gizatdinova Y, Lylykangas J, Špakov O, Verho J, Vetek A, Lekkala J. 2016. Emotional Reactions to Point-Light Display Animations. Interacting with Computers. 28(4):521-531. <https://doi.org/10.1093/iwc/iww028>

Ahti V, Hyrynsalmi S, Nevalainen O. 2016. An evaluation framework for cross-platform mobile app development tools: A case analysis of adobe PhoneGap framework. teoksessa Computer Systems and Technologies 17th International Conference, CompSysTech 2016 - Proceedings. Association for Computing Machinery. Sivut 41-48. <https://doi.org/10.1145/2983468.2983484>

Hosseinzadeh S, Rauti S, Laurén S, Mäkelä JM, Holvitie J, Hyrynsalmi S, Leppänen V. 2016. A survey on aims and environments of diversification and obfuscation in software security. teoksessa Computer Systems and Technologies 17th International Conference, CompSysTech 2016 - Proceedings. Association for Computing Machinery. Sivut 113-120. <https://doi.org/10.1145/2983468.2983479>

Eslahi N, Aghagolzadeh A. 2016. Compressive Sensing Image Restoration Using Adaptive Curvelet Thresholding and Nonlocal Sparse Regularization. IEEE Transactions on Image Processing. 25(7):3126-3140. <https://doi.org/10.1109/TIP.2016.2562563>

Gallidabino A, Pautasso C, Ilvonen V, Mikkonen T, Systä K, Voutilainen J-P, Taivalsaari A. 2016. On the Architecture of Liquid Software: Technology Alternatives and Design Space. teoksessa Proceedings - 2016 13th Working IEEE/IFIP Conference on Software Architecture, WICSA 2016. IEEE. Sivut 122-127. <https://doi.org/10.1109/WICSA.2016.14>

Akyildiz IF, Wang P, Lin SC. 2016. SoftWater: Software-defined networking for next-generation underwater communication systems. Ad Hoc Networks. 46. <https://doi.org/10.1016/j.adhoc.2016.02.016>

Ruohonen J, Hyrynsalmi S, Leppänen V. 2016. Trading exploits online: A preliminary case study. teoksessa IEEE RCIS 2016 - IEEE 10th International Conference on Research Challenges in Information Science. IEEE COMPUTER SOCIETY PRESS. <https://doi.org/10.1109/RCIS.2016.7549301>

Iosifidis A, Gabbouj M. 2016. Nyström-based approximate kernel subspace learning. Pattern Recognition. 190-197. <https://doi.org/10.1016/j.patcog.2016.03.018>

- Jokela T, Rezaei PP, Väänänen K. 2016. Using elicitation studies to generate collocated interaction methods. teoksessa Proceedings of the 18th International Conference on Human-Computer Interaction with Mobile Devices and Services Adjunct, MobileHCI 2016. ACM. Sivut 1129-1133. <https://doi.org/10.1145/2957265.2962654>
- Lenarduzzi V, Taibi D. 2016. MVP Explained: A Systematic Mapping Study on the Definitions of Minimal Viable Product. teoksessa Proceedings - 42nd Euromicro Conference on Software Engineering and Advanced Applications, SEAA 2016. IEEE. Sivut 112-119. <https://doi.org/10.1109/SEAA.2016.56>
- Nanni L, Lumini A, dos Santos FLC, Paci M, Hyttinen J. 2016. Ensembles of dense and dense sampling descriptors for the HEP-2 cells classification problem. Pattern Recognition Letters. 82:28-35. <https://doi.org/10.1016/j.patrec.2016.01.026>
- Rakkolainen I, Raisamo R, Turk M, Höllerer T, Palovuori K. 2016. Casual immersive viewing with smartphones. teoksessa AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM. Sivut 449-452. <https://doi.org/10.1145/2994310.2994314>
- Hokkanen L, Xu Y, Väänänen K. 2016. Focusing on user experience and business models in startups: Investigation of two-dimensional value creation. teoksessa AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM. Sivut 59-67. <https://doi.org/10.1145/2994310.2994371>
- Hildén E, Väättäjä H, Roto V, Uusitalo K. 2016. Participatory development of user experience design guidelines for a B2B company. teoksessa AcademicMindtrek '16 Proceedings of the 20th International Academic Mindtrek Conference . ACM. Sivut 49-58. <https://doi.org/10.1145/2994310.2994355>
- Mattila A-L, Ihantola P, Kilamo T, Luoto A, Nurminen M, Väättäjä H. 2016. Software visualization today - Systematic literature review. teoksessa AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM. Sivut 262-271. <https://doi.org/10.1145/2994310.2994327>
- Jumisko-Pyykkö S, Pesonen E, Väättäjä H. 2016. Temporal dimensions of affect in user experience of digital news in the field. teoksessa AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM. Sivut 192-197. <https://doi.org/10.1145/2994310.2994370>
- Mäkinen S, Leppänen M, Kilamo T, Mattila A-L, Laukkanen E, Pagels M, Männistö T. 2016. Improving the delivery cycle: A multiple-case study of the toolchains in Finnish software intensive enterprises. Information and Software Technology. 80:1339-1351. <https://doi.org/10.1016/j.infsof.2016.09.001>
- Egiazarian K, Danielyan A, Ponomarenko N, Foia A, Ieremeiev O, Lukin V. 2017. BM3D-HVS: Content-Adaptive denoising for improved visual quality. teoksessa Image Processing: Algorithms and Systems XV. Sivut 48-55. (Electronic Imaging). <https://doi.org/10.2352/ISSN.2470-1173.2017.13.DPMI-083>
- Komar MS. 2017. Data Rate Assessment on L2-L3 CPU Bus and Bus between CPU and RAM in Modern CPUs. Automatic Control and Computer Sciences. 51(7):701-708. <https://doi.org/10.3103/S014641161707029X>
- Kiili K. 2017. From theories to game mechanics: Developing a game for training rational numbers. teoksessa Proceedings of the 11th European Conference on Games Based Learning, ECGBL 2017. Academic Conferences and Publishing International Limited. Sivut 328-334.
- Ieremeiev O, Lukin V, Ponomarenko N, Egiazarian K. 2017. Full-reference metrics multidistortional analysis. teoksessa Image Processing: Algorithms and Systems XV. Sivut 27-35. (Electronic Imaging). <https://doi.org/10.2352/ISSN.2470-1173.2017.13.IPAS-202>
- Borges LR, Guerrero I, Bakic PR, Foi A, Maidment ADA, Vieira MAC. 2017. Method for Simulating Dose Reduction in Digital Breast Tomosynthesis. IEEE Transactions on Medical Imaging. 36(11):2331-2342. <https://doi.org/10.1109/TMI.2017.2715826>

Babahajiani P, Fan L, Kämäräinen J-K, Gabbouj M. 2017. Urban 3D segmentation and modelling from street view images and LiDAR point clouds. *Machine Vision and Applications*. 28(7):679–694. <https://doi.org/10.1007/s00138-017-0845-3>

Valmari A. 2017. Stop it, and be stubborn!. *ACM Transactions on Embedded Computing Systems*. 16(2). <https://doi.org/10.1145/3012279>

Suonsyrjä S, Hokkanen L, Terho H, Systä K, Mikkonen T. 2017. Post-deployment data: A recipe for satisfying knowledge needs in software development?. teoksessa 2016 Joint Conference of the International Workshop on Software Measurement and the International Conference on Software Process and Product Measurement (IWSM-MENSURA). IEEE. Sivut 139-147. <https://doi.org/10.1109/IWSM-Mensura.2016.029>

Salo K, Zinin V, Bauters M, Mikkonen T. 2017. Modular audio story platform for museums. teoksessa IUI 2017 - Companion of the 22nd International Conference on Intelligent User Interfaces. ACM. Sivut 113-116. <https://doi.org/10.1145/3030024.3040975>

Vorwerk J, Engwer C, Pursiainen S, Wolters CH. 2017. A Mixed Finite Element Method to Solve the EEG Forward Problem. *IEEE Transactions on Medical Imaging*. 36(4):930-941. <https://doi.org/10.1109/TMI.2016.2624634>

Virtanen A, Kuusinen K, Leppänen M, Luoto A, Kilamo T, Mikkonen T. 2017. On continuous deployment maturity in customer projects. teoksessa 32nd Annual ACM Symposium on Applied Computing, SAC 2017. ACM. Sivut 1205-1212. <https://doi.org/10.1145/3019612.3019777>

Salo K, Bauters M, Mikkonen T. 2017. User generated soundscapes activating museum visitors. teoksessa 32nd Annual ACM Symposium on Applied Computing, SAC 2017. ACM. Sivut 220-227. <https://doi.org/10.1145/3019612.3019691>

Leinonen J, Ihantola P, Hellas A. 2017. Preventing keystroke based identification in open data sets. teoksessa L@S 2017 - Proceedings of the 4th (2017) ACM Conference on Learning at Scale. ACM. Sivut 101-109. <https://doi.org/10.1145/3051457.3051458>

Bahrudeen MNM, Startceva S, Ribeiro AS. 2017. Effects of extrinsic noise are promoter kinetics dependent. teoksessa Proceedings of the 2017 9th International Conference on Bioinformatics and Biomedical Technology, ICBBT 2017. ACM. Sivut 44-47. <https://doi.org/10.1145/3093293.3093295>

Taivalsaari A, Mikkonen T, Pautasso C, Systä K. 2017. Comparing the Built-In Application Architecture Models in the Web Browser. teoksessa 2017 IEEE International Conference on Software Architecture (ICSA). IEEE. Sivut 51-54. <https://doi.org/10.1109/ICSA.2017.23>

Taibi D, Lenarduzzi V, Pahl C, Janes A. 2017. Microservices in agile software development: A workshop-based study into issues, advantages, and disadvantages. teoksessa Proceedings of the XP2017 Scientific Workshops, XP 2017. Association for Computing Machinery. <https://doi.org/10.1145/3120459.3120483>

Taibi D, Lenarduzzi V, Ahmad MO, Liukkunen K. 2017. Comparing communication effort within the scrum, scrum with Kanban, XP, and Banana development processes. teoksessa Proceedings of the 21st International Conference on Evaluation and Assessment in Software Engineering, EASE 2017. Association for Computing Machinery. Sivut 258-263. <https://doi.org/10.1145/3084226.3084270>

Taibi D, Lenarduzzi V, Diebold P, Lunesu I. 2017. Operationalizing the experience factory for effort estimation in agile processes. teoksessa Proceedings of the 21st International Conference on Evaluation and Assessment in Software Engineering, EASE 2017. Association for Computing Machinery. Sivut 31-40. <https://doi.org/10.1145/3084226.3084240>

Zhang H, Kiranyaz S, Gabbouj M. 2017. A k-nearest neighbor multilabel ranking algorithm with application to content-based image retrieval. teoksessa 2017 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2017 - Proceedings. IEEE. Sivut 2587-2591. <https://doi.org/10.1109/ICASSP.2017.7952624>

- Lee K, Riggan BS, Bhattacharyya SS. 2017. An accumulative fusion architecture for discriminating people and vehicles using acoustic and seismic signals. teoksessa 2017 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2017 - Proceedings. IEEE. Sivut 2976-2980. <https://doi.org/10.1109/ICASSP.2017.7952702>
- Korpi D, Riihonen T, Valkama M. 2017. Inband full-duplex radio access system with self-backhauling: Transmit power minimization under QoS requirements. teoksessa 2017 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2017 - Proceedings. IEEE. Sivut 6558-6562. <https://doi.org/10.1109/ICASSP.2017.7953420>
- Abdelaziz M, Anttila L, Valkama M. 2017. Reduced-complexity digital predistortion for massive MIMO. teoksessa 2017 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2017 - Proceedings. IEEE. Sivut 6478-6482. <https://doi.org/10.1109/ICASSP.2017.7953404>
- Mitchell R, Olsson T. 2017. Barriers for bridging interpersonal gaps: Three inspirational design patterns for increasing collocated social interaction. teoksessa C&T 2017 - 8th International Conference on Communities and Technologies, Conference Proceedings. ACM. Sivut 2-10. <https://doi.org/10.1145/3083671.3083697>
- Multsilta J, Niemi H, Hamilton E. 2017. Children designing videos: Tools, pedagogical models, and best practices for digital storytelling and media-making in the classroom. teoksessa IDC 2017 - Proceedings of the 2017 ACM Conference on Interaction Design and Children. ACM. Sivut 693-696. <https://doi.org/10.1145/3078072.3091982>
- Leppänen L, Leinonen J, Ihanola P, Hellas A. 2017. Using and collecting fine-grained usage data to improve online learning materials. teoksessa Proceedings - 2017 IEEE/ACM 39th International Conference on Software Engineering: Software Engineering and Education Track, ICSE-SEET 2017. IEEE. Sivut 4-12. <https://doi.org/10.1109/ICSE-SEET.2017.12>
- Valenti M, Squartini S, Diment A, Parascandolo G, Virtanen T. 2017. A convolutional neural network approach for acoustic scene classification. teoksessa 2017 International Joint Conference on Neural Networks, IJCNN 2017. IEEE. Sivut 1547-1554. <https://doi.org/10.1109/IJCNN.2017.7966035>
- Lenarduzzi V, Sillitti A, Taibi D. 2017. Analyzing Forty years of software maintenance models. teoksessa Proceedings - 2017 IEEE/ACM 39th International Conference on Software Engineering Companion, ICSE-C 2017. Institute of Electrical and Electronics Engineers Inc. <https://doi.org/10.1109/ICSE-C.2017.122>
- Iosifidis A, Gabbouj M. 2017. Class-specific kernel discriminant analysis based on Cholesky decomposition. teoksessa 2017 International Joint Conference on Neural Networks, IJCNN 2017. IEEE. Sivut 1141-1146. <https://doi.org/10.1109/IJCNN.2017.7965980>
- Laukkarinen T, Kuusinen K, Mikkonen T. 2017. DevOps in regulated software development: Case medical devices. teoksessa Proceedings - 2017 IEEE/ACM 39th International Conference on Software Engineering: New Ideas and Emerging Results Track, ICSE-NIER 2017. IEEE. Sivut 15-18. <https://doi.org/10.1109/ICSE-NIER.2017.20>
- Kiranyaz S, Ince T, Iosifidis A, Gabbouj M. 2017. Generalized model of biological neural networks: Progressive operational perceptrons. teoksessa 2017 International Joint Conference on Neural Networks, IJCNN 2017. IEEE. Sivut 2477-2485. <https://doi.org/10.1109/IJCNN.2017.7966157>
- Järvinen J, Huomo T, Mikkonen T. 2017. Running software research programs: An agile approach. teoksessa Proceedings - 2017 IEEE/ACM 39th International Conference on Software Engineering Companion, ICSE-C 2017. IEEE. Sivut 314-316. <https://doi.org/10.1109/ICSE-C.2017.59>
- Lauri M, Heinänen E, Frintrop S. 2017. Multi-robot active information gathering with periodic communication. teoksessa ICRA 2017 - IEEE International Conference on Robotics and Automation. IEEE. Sivut 851-856. <https://doi.org/10.1109/ICRA.2017.7989104>

- Hietanen A, Halme J, Buch AG, Latokartano J, Kamarainen J-K. 2017. Robustifying correspondence based 6D object pose estimation. teoksessa ICRA 2017 - IEEE International Conference on Robotics and Automation. IEEE. Sivut 739-745. <https://doi.org/10.1109/ICRA.2017.7989091>
- Fanni T, Li L, Viitanen T, Sau C, Xie R, Palumbo F, Raffo L, Huttunen H, Takala J, Bhattacharyya SS. 2017. Hardware design methodology using lightweight dataflow and its integration with low power techniques. *Journal of Systems Architecture*. 78:15-29. <https://doi.org/10.1016/j.sysarc.2017.06.003>
- Leinonen J, Leppänen L, Ihantola P, Hellas A. 2017. Comparison of time metrics in programming. teoksessa ICER 2017 - Proceedings of the 2017 ACM Conference on International Computing Education Research. ACM. Sivut 200-208. <https://doi.org/10.1145/3105726.3106181>
- Gallidabino A, Pautasso C, Mikkonen T, Systä K, Voutilainen J-P, Taivalsaari A. 2017. Architecting liquid software. *Journal of Web Engineering*. 16(5-6):433-470. <https://doi.org/10.26421/JWE16.5-6>
- Leppänen L, Leinonen J, Ihantola P, Hellas A. 2017. Predicting academic success based on learning material usage. teoksessa SIGITE 2017 - Proceedings of the 18th Annual Conference on Information Technology Education. ACM. Sivut 13-18. <https://doi.org/10.1145/3125659.3125695>
- Morschheuser B, Hamari J, Koivisto J, Maedche A. 2017. Gamified crowdsourcing: Conceptualization, literature review, and future agenda. *International Journal of Human-Computer Studies*. 106:26-43. <https://doi.org/10.1016/j.ijhcs.2017.04.005>
- Dehmer M, Emmert-Streib F, Hu B, Shi Y, Stefu M, Tripathi S. 2017. Highly unique network descriptors based on the roots of the permanental polynomial. *Information Sciences*. 408:176-181. <https://doi.org/10.1016/j.ins.2017.04.041>
- Iosifidis A, Tefas A, Pitas I, Gabbouj M. 2017. Big Media Data Analysis. *Signal Processing: Image Communication*. 59:105-108. <https://doi.org/10.1016/j.image.2017.10.004>
- Bezzateev S, Afanasyeva A, Voloshina N, Ometov A. 2017. Multi-factor authentication for wearables: Configuring system parameters with risk function. teoksessa Proceedings of the 2nd International Conference on Advanced Wireless Information, Data, and Communication Technologies, AWICT 2017. ACM. <https://doi.org/10.1145/3231830.3231834>
- Taibi D, Janes A, Lenarduzzi V. 2017. How developers perceive smells in source code: A replicated study. *Information and Software Technology*. 92:223-235. <https://doi.org/10.1016/j.infsof.2017.08.008>
- Thanh Tran D, Gabbouj M, Iosifidis A. 2017. Multilinear class-specific discriminant analysis. *Pattern Recognition Letters*. 100:131-136. <https://doi.org/10.1016/j.patrec.2017.10.027>
- Dehmer M, Emmert-Streib F, Shi Y. 2017. Quantitative Graph Theory: A new branch of graph theory and network science. *Information Sciences*. 418-419:575-580. <https://doi.org/10.1016/j.ins.2017.08.009>
- Katkovnik V, Ponomarenko M, Egiazarian K. 2017. Sparse approximations in complex domain based on BM3D modeling. *Signal Processing*. 141:96-108. <https://doi.org/10.1016/j.sigpro.2017.05.032>
- Aytekin C, Nikkanen J, Gabbouj M. 2018. A Dataset for Camera Independent Color Constancy. *IEEE Transactions on Image Processing*. 27(2):530-544. <https://doi.org/10.1109/TIP.2017.2764264>
- Astola J, Astola P, Stanković R, Tabus I. 2018. An algebraic approach to reducing the number of variables of incompletely defined discrete functions. *Journal of Multiple-Valued Logic and Soft Computing*. 31(3):239-253.

- Taibi D, Lenarduzzi V, Pahl C. 2018. Architectural patterns for microservices: A systematic mapping study. teoksessa CLOSER 2018 - Proceedings of the 8th International Conference on Cloud Computing and Services Science. SCITEPRESS. Sivut 221-232. <https://doi.org/10.5220/0006798302210232>
- Ponomarenko M, Gapon N, Voronin V, Egiazarian K. 2018. Blind estimation of white Gaussian noise variance in highly textured images. teoksessa Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology. <https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-382>
- Voronin V, Semenishchev E, Ponomarenko M, Agaian S. 2018. Combined local and global image enhancement algorithm . teoksessa Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology. <https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-220>
- Miroshnichenko O, Ponomarenko M, Lukin V, Egiazarian K. 2018. Compression of signs of DCT coefficients for additional lossless compression of JPEG images. teoksessa Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology. <https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-385>
- Sahin E, Vagharshakyan S, Bregovic R, Lee G, Gotchev A. 2018. Conversion of sparsely-captured light field into alias-free fullparallax multiview content. teoksessa Electronic Imaging: Stereoscopic Displays and Applications XXIX. Society for Imaging Science and Technology. Sivut 1441-1445. <https://doi.org/10.2352/ISSN.2470-1173.2018.04.SDA-144>
- Battisti F, Carli M, De Paola E, Egiazarian K. 2018. Deep p-Fibonacci scattering networks. teoksessa Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology. <https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-193>
- Valmari A, Vogler W. 2018. Fair testing and stubborn sets. International Journal on Software Tools for Technology Transfer. 589-610. <https://doi.org/10.1007/s10009-017-0481-2>
- Farris I, Orsino A, Militano L, Iera A, Araniti G. 2018. Federated IoT services leveraging 5G technologies at the edge. Ad Hoc Networks. 68:58-69. <https://doi.org/10.1016/j.adhoc.2017.09.002>
- Morschheuser B, Hassan L, Werder K, Hamari J. 2018. How to design gamification? A method for engineering gamified software. Information and Software Technology. 95:219-237. <https://doi.org/10.1016/j.infsof.2017.10.015>
- Kannisto P, Hästbacka D, Marttinen A. 2018. Information Exchange Architecture for Collaborative Industrial Ecosystem. Information Systems Frontiers. 1-16. <https://doi.org/10.1007/s10796-018-9877-0>
- Hästbacka D, Kannisto P, Vilkkö M. 2018. Information models and information exchange in plant-wide monitoring and control of industrial processes. teoksessa Proceedings of the 10th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management - Volume 3: KMIS: September 18-20, 2018, Seville, Spain. SCITEPRESS. Sivut 216-222. <https://doi.org/10.5220/0006960602160222>
- Rubel O, Lukin V, Abramov S, Vozel B, Pogrebnyak O, Egiazarian K. 2018. Is Texture Denoising Efficiency Predictable?. International Journal of Pattern Recognition and Artificial Intelligence. 32(1). <https://doi.org/10.1142/S0218001418600054>
- Rosati P, Fowley F, Pahl C, Taibi D, Lynn T. 2018. Making the cloud work for software producers: Linking architecture, operating cost and revenue. teoksessa CLOSER 2018 - Proceedings of the 8th International Conference on Cloud Computing and Services Science. SCITEPRESS. Sivut 364-375. <https://doi.org/10.5220/0006679303640375>
- Aldaya AC, Brumley BB, Sarmiento AJC, Sánchez-Solano S. 2018. Memory Tampering Attack on Binary GCD Based Inversion Algorithms. International Journal of Parallel Programming. 1-20. <https://doi.org/10.1007/s10766-018-0610-x>
- Ponomarenko M, Katkovnik V, Egiazarian K. 2018. Methods and tools for denoising of complex-valued images based on block-matching and high order singular value decomposition. teoksessa Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology. <https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-306>

- van Mellaert R, Mela K, Tiainen T, Heinisuo M, Lombaert G, Schevenels M. 2018. Mixed-integer linear programming approach for global discrete sizing optimization of frame structures. *Structural and Multidisciplinary Optimization*. 57(2):579–593. <https://doi.org/10.1007/s00158-017-1770-9>
- Azzari L, Borges LR, Foi A. 2018. Modeling and estimation of signal-dependent and correlated noise. *teoksessa Denoising of Photographic Images and Video: Fundamentals, Open Challenges and New Trends*. SPRINGER-VERLAG LONDON LTD. Sivut 1-36. (Advances in Computer Vision and Pattern Recognition). [https://doi.org/10.1007/978-3-319-96029-6\\_1](https://doi.org/10.1007/978-3-319-96029-6_1)
- Boashash B, Aïssa-El-Bey A, Al-Sa'd MF. 2018. Multisensor Time–Frequency Signal Processing MATLAB package: An analysis tool for multichannel non-stationary data. *SoftwareX*. 8:53-58. <https://doi.org/10.1016/j.softx.2017.12.002>
- Yuan J, Gao K, Zhu P, Egiazarian K. 2018. Multi-view predictive latent space learning. *Pattern Recognition Letters*. <https://doi.org/10.1016/j.patrec.2018.06.022>
- Dehmer M, Chen Z, Mowshowitz A, Jodlbauer H, Emmert-Streib F, Shi Y, Tripathi S, Xia C. 2018. On the degeneracy of the Randić entropy and related graph measures. *Information Sciences*. <https://doi.org/10.1016/j.ins.2018.11.011>
- Aytekin C, Iosifidis A, Gabbouj M. 2018. Probabilistic saliency estimation. *Pattern Recognition*. 74:359-372. <https://doi.org/10.1016/j.patcog.2017.09.023>
- Astola H, Stanković R, Astola J. 2018. Reduction of variables of index generation functions using linear and quadratic transformations. *Journal of Multiple-Valued Logic and Soft Computing*. 31(3):255-270.
- Ieremeiev O, Lukin V, Ponomarenko N, Egiazarian K. 2018. Robust linearized combined metrics of image visual quality. *teoksessa Electronic Imaging: Image Processing: Algorithms and Systems XVI*. Society for Imaging Science and Technology. <https://doi.org/10.2352/ISSN.2470-1173.2018.13.IPAS-260>
- Georgiev M, Bregovic R, Gotchev A. 2018. Time-of-Flight Range Measurement in Low-sensing Environment: Noise Analysis and Complex-domain Non-local Denoising. *IEEE Transactions on Image Processing*. 27(6). <https://doi.org/10.1109/TIP.2018.2807126>
- Raitoharju J, Kiranyaz S, Gabbouj M. 2018. Feature synthesis for image classification and retrieval via one-against-all perceptrons. *Neural Computing and Applications*. 29(4):943–957. <https://doi.org/10.1007/s00521-016-2504-4>
- Lin S, Wu J, Bhattacharyya SS. 2018. Memory-Constrained vectorization and scheduling of dataflow graphs for hybrid CPU-GPU platforms. *ACM Transactions on Embedded Computing Systems*. 17(2). <https://doi.org/10.1145/3157669>
- Mohammed WM, Ferrer BR, Martinez JL, Sanchis R, Andres B, Agostinho C. 2018. A multi-agent approach for processing industrial enterprise data. *teoksessa 2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings*. IEEE. Sivut 1209-1215. <https://doi.org/10.1109/ICE.2017.8280018>
- Katasonov A, Lastusilta T, Korvola T, Saari L, Bendas D, Mohammed WM, Lee AN. 2018. An approach to production scheduling optimization a case of an oil lubrication and hydraulic systems manufacturer. *teoksessa 2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings*. IEEE. Sivut 1123-1130. <https://doi.org/10.1109/ICE.2017.8280007>
- Mohammed WM, Ferrer BR, Jose L, Lastra M, Aleixo D, Agostinho C. 2018. Configuring and visualizing the data resources in a cloud-based data collection framework. *teoksessa 2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings*. IEEE. Sivut 1201-1208. <https://doi.org/10.1109/ICE.2017.8280017>

Sariola R. 2018. Exploiting suppliers' potential in construction innovations. teoksessa 2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New Approaches, ICE/ITMC 2017 - Proceedings. IEEE. Sivut 678-684. <https://doi.org/10.1109/ICE.2017.8279950>

Aytekin C, Nikkanen J, Gabbouj M. 2018. Deep multiresolution color constancy. teoksessa 2017 IEEE International Conference on Image Processing, ICIP 2017 - Proceedings. IEEE COMPUTER SOCIETY PRESS. Sivut 3735-3739. <https://doi.org/10.1109/ICIP.2017.8296980>

Wu J, Blattner T, Keyrouz W, Bhattacharyya SS. 2018. A design tool for high performance image processing on multicore platforms. teoksessa Proceedings of the 2018 Design, Automation and Test in Europe Conference and Exhibition, DATE 2018. IEEE. Sivut 1304-1309. <https://doi.org/10.23919/DATE.2018.8342215>

Van Oosterhout A, Alonso MB, Jumisko-Pyykkö S. 2018. Ripple thermostat: Affecting the emotional experience through interactive force feedback and shape change. teoksessa Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems . ACM. <https://doi.org/10.1145/3173574.3174229>

Paladi N, Michalas A, Dang HV. 2018. Towards secure cloud orchestration for multi-cloud deployments. teoksessa CrossCloud 2018 - 5th Workshop on CrossCloud Infrastructures and Platforms, colocated with EuroSys 2018. ACM. <https://doi.org/10.1145/3195870.3195874>

Heikkilä J, Martinsuo M, Nenonen S. 2018. Backshoring of production in the context of a small and open Nordic economy. Journal of Manufacturing Technology Management. 29(4):658-675. <https://doi.org/10.1108/JMTM-12-2016-0178>

Taibi D, Lenarduzzi V. 2018. On the Definition of Microservice Bad Smells. IEEE Software. 35(3):56-62. <https://doi.org/10.1109/MS.2018.2141031>

Suzumori K, Hyon SH, Semini C, Mattila J, Kanda T. 2018. Preface: Special Issue on 'New Hydraulic Components for Tough Robots'. Advanced Robotics. 32(9). <https://doi.org/10.1080/01691864.2018.1466427>

Tran HN, Bhattacharyya SS, Talpin JP, Gautier T. 2018. Toward efficient many-core scheduling of partial expansion graphs. teoksessa Proceedings of the 21st International Workshop on Software and Compilers for Embedded Systems, SCOPES 2018. Association for Computing Machinery, Inc. Sivut 100-103. <https://doi.org/10.1145/3207719.3207734>

Ylinen M, Pekkola S. 2018. Looking for a five-legged sheep: Identifying enterprise architects' skills and competencies. teoksessa Proceedings of the 19th Annual International Conference on Digital Government Research: Governance in the Data Age, DG.O 2018. ACM. <https://doi.org/10.1145/3209281.3209353>

Nogueira IBR, Ribeiro AM, Requião R, Pontes KV, Koivisto H, Rodrigues AE, Loureiro JM. 2018. A quasi-virtual online analyser based on an artificial neural networks and offline measurements to predict purities of raffinate/extract in simulated moving bed processes. Applied Soft Computing Journal. 67:29-47. <https://doi.org/10.1016/j.asoc.2018.03.001>

Heikkinen A, Pääkkönen P, Viitanen M, Vanne J, Riikonen T, Bakanoglu K. 2018. Fast and easy live video service setup using lightweight virtualization. teoksessa Proceedings of the 9th ACM Multimedia Systems Conference, MMSys 2018. ACM. Sivut 487-489. <https://doi.org/10.1145/3204949.3208112>

Naik D, Curcio IDD, Toukomaa H. 2018. Optimized viewport dependent streaming of stereoscopic omnidirectional video. teoksessa Proceedings of the 23th ACM Workshop on Packet Video, PV 2018. ACM. Sivut 37-42. <https://doi.org/10.1145/3210424.3210437>

Sabuncuoğlu A, Erkaya M, Buruk OT, Göksun T. 2018. Code notes: Designing a low-cost tangible coding tool for/with children. teoksessa IDC 2018 - Proceedings of the 2018 ACM Conference on Interaction Design and Children. ACM. Sivut 644-649. <https://doi.org/10.1145/3202185.3210791>



Sjöblom M, Hassan L, Macey J, Törhönen M, Hamari J. 2018. Liking the game: How can spectating motivations influence social media usage at live esports events?. teoksessa Proceedings of the 9th International Conference on Social Media and Society, SMSociety 2018. ACM. Sivut 160-167. <https://doi.org/10.1145/3217804.3217908>

Viitanen M, Vanne J, Hämäläinen TD, Kulmala A. 2018. Low latency edge rendering scheme for interactive 360 degree virtual reality gaming. teoksessa Proceedings - 2018 IEEE 38th International Conference on Distributed Computing Systems, ICDCS 2018. IEEE. Sivut 1557-1560. <https://doi.org/10.1109/ICDCS.2018.00168>

Lee K, Riggan BS, Bhattacharyya SS. 2018. A joint target localization and classification framework for sensor networks. teoksessa 2018 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2018 - Proceedings. Institute of Electrical and Electronics Engineers Inc. Sivut 3076-3080. <https://doi.org/10.1109/ICASSP.2018.8462641>

Nikunen J, Virtanen T. 2018. Estimation of time-varying room impulse responses of multiple sound sources from observed mixture and isolated source signals. teoksessa 2018 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2018 - Proceedings. Institute of Electrical and Electronics Engineers Inc. Sivut 421-425. ( Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing). <https://doi.org/10.1109/ICASSP.2018.8462535>

Malik J, Aytekin C, Gabbouj M. 2018. Low-energy graph fourier basis functions span salient objects. teoksessa 2018 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2018 - Proceedings. Institute of Electrical and Electronics Engineers Inc. Sivut 1548-1552. <https://doi.org/10.1109/ICASSP.2018.8462672>

Egiazarian K, Ponomarenko M, Lukin V, Ieremeiev O. 2018. Statistical Evaluation of Visual Quality Metrics for Image Denoising. teoksessa 2018 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2018 - Proceedings. Institute of Electrical and Electronics Engineers Inc. Sivut 6752-6756. <https://doi.org/10.1109/ICASSP.2018.8462294>

Obaid M, Kaipainen K, Ocnarescu I, Ahtinen A. 2018. Designing for experiences with socially interactive robots. teoksessa NordiCHI 2018: Revisiting the Life Cycle - Proceedings of the 10th Nordic Conference on Human-Computer Interaction. ACM. Sivut 948-951. <https://doi.org/10.1145/3240167.3240257>

Aspling F, Juhlin O, Väättäjä H. 2018. Understanding animals: A critical challenge in ACI. teoksessa NordiCHI 2018: Revisiting the Life Cycle - Proceedings of the 10th Nordic Conference on Human-Computer Interaction. ACM. Sivut 148-160. <https://doi.org/10.1145/3240167.3240226>

Pelcat M, Mercat A, Desnos K, Maggiani L, Liu Y, Heulot J, Nezan JF, Hamidouche W, Menard D, Bhattacharyya SS. 2018. Reproducible Evaluation of System Efficiency with a Model of Architecture: From Theory to Practice. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems. 37(10):2050-2063. <https://doi.org/10.1109/TCAD.2017.2774822>

Dehmer M, Chen Z, Emmert-Streib F, Shi Y, Tripathi S. 2018. Graph measures with high discrimination power revisited: A random polynomial approach. Information Sciences. 467:407-414. <https://doi.org/10.1016/j.ins.2018.07.072>

Cakir E, Virtanen T. 2018. End-to-End Polyphonic Sound Event Detection Using Convolutional Recurrent Neural Networks with Learned Time-Frequency Representation Input. teoksessa 2018 International Joint Conference on Neural Networks, IJCNN 2018 - Proceedings. IEEE. <https://doi.org/10.1109/IJCNN.2018.8489470>

Varsaluoma J, Väättäjä H, Heimonen T, Tiitinen K, Hakulinen J, Turunen M, Nieminen H. 2018. Guidelines for development and evaluation of usage data analytics tools for human-machine interactions with industrial manufacturing systems. teoksessa Mindtrek 2018 - Proceedings of the 22nd International Academic Mindtrek Conference. ACM. Sivut 172-181. <https://doi.org/10.1145/3275116.3275138>

- Kelling C, Karhu J, Kauhanen O, Turunen M, Väättäjä H, Lindqvist V. 2018. Implications of audio and narration in the user experience design of virtual reality. teoksessa Mindtrek 2018 - Proceedings of the 22nd International Academic Mindtrek Conference. ACM. Sivut 258-261. <https://doi.org/10.1145/3275116.3275153>
- Adavanne S, Politis A, Virtanen T. 2018. Multichannel Sound Event Detection Using 3D Convolutional Neural Networks for Learning Inter-channel Features. teoksessa 2018 International Joint Conference on Neural Networks, IJCNN 2018 - Proceedings. IEEE. <https://doi.org/10.1109/IJCNN.2018.8489542>
- Ratia M, Myllärniemi J, Helander N. 2018. Robotic process automation - Creating value by digitalizing work in the private healthcare?. teoksessa Mindtrek 2018 - Proceedings of the 22nd International Academic Mindtrek Conference. ACM. Sivut 222-227. <https://doi.org/10.1145/3275116.3275129>
- Luoto A. 2018. Systematic literature review on user logging in virtual reality. teoksessa Mindtrek 2018 - Proceedings of the 22nd International Academic Mindtrek Conference. ACM. Sivut 110-117. <https://doi.org/10.1145/3275116.3275123>
- Burova A, Kelling C, Hakulinen J, Kallioniemi P, Keskinen T, Turunen M, Väättäjä H. 2018. The Finnish you – An interactive storytelling application for an airport environment. teoksessa Mindtrek 2018 - Proceedings of the 22nd International Academic Mindtrek Conference. ACM. Sivut 182-191. <https://doi.org/10.1145/3275116.3275142>
- Nouri S, Rossi D, Nurmi J. 2018. Power mitigation of a heterogeneous multicore architecture on FPGA/ASIC by DFS/DVFS techniques. *Microprocessors and Microsystems*. 63:259-268. <https://doi.org/10.1016/j.micpro.2018.09.010>
- Badarneh OS, Sofotasios PC, Muhaidat S, Cotton SL, Rabie K, Al-Dhahir N. 2018. On the Secrecy Capacity of Fisher-Snedecor F Fading Channels. teoksessa 2018 14th International Conference on Wireless and Mobile Computing, Networking and Communications, WiMob 2018. IEEE. Sivut 102-107. <https://doi.org/10.1109/WiMOB.2018.8589137>
- Badarneh OS, Muhaidat S, Sofotasios PC, Cotton SL, Rabie K, Da Costa DB. 2018. The N-Fisher-Snedecor F Cascaded Fading Model. teoksessa 2018 14th International Conference on Wireless and Mobile Computing, Networking and Communications, WiMob 2018. IEEE. <https://doi.org/10.1109/WiMOB.2018.8589124>
- Hellsten P, Myllärniemi J. 2019. Business intelligence process model revisited. Bernardino J, Salgado A, Filipe J, Toimittajat. teoksessa IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management. SCITEPRESS. Sivut 341-348. (IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management).
- Myllärniemi J, Helander N, Pekkola S. 2019. Challenges in developing data-based value creation. Bernardino J, Salgado A, Filipe J, Toimittajat. teoksessa IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management. SCITEPRESS. Sivut 370-376. (IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management).
- Jussila J, Kukkamäki J, Helander N. 2019. Co-creating digital services for citizens: Activity theory analysis. Bernardino J, Salgado A, Filipe J, Toimittajat. teoksessa IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management. SCITEPRESS. Sivut 285-290. (IC3K 2019 - Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management). <https://doi.org/10.5220/0008349002850290>
- Pajarinen J, Thai HL, Akrou R, Peters J, Neumann G. 2019. Compatible natural gradient policy search. *Machine Learning*. <https://doi.org/10.1007/s10994-019-05807-0>
- Orelma H. 2019. Continuum approach to high-cycle fatigue. The finite life-time case with stochastic stress history. *Vestnik Samarskogo Gosudarstvennogo Tekhnicheskogo Universiteta, Seriya Fiziko-Matematicheskie Nauki*. 23(3):452-463. <https://doi.org/10.14498/vsgtu1705>

- Sharifzadeh S, Tata J, Tan B. 2019. Farm detection based on deep convolutional neural nets and semi-supervised green texture detection using VIS-NIR satellite image. Hammoudi S, Quix C, Bernardino J, Toimittajat. teoksessa DATA 2019 - Proceedings of the 8th International Conference on Data Science, Technology and Applications. SCITEPRESS. Sivut 100-108. <https://doi.org/10.5220/0007954901000108>
- Dang D, Pekkola S. 2019. Institutional Perspectives on the Process of Enterprise Architecture Adoption. Information Systems Frontiers. <https://doi.org/10.1007/s10796-019-09944-8>
- Luoto A. 2019. Log analysis of 360-degree video users via MQTT. teoksessa ICGDA 2019: Proceedings of the 2019 2nd International Conference on Geoinformatics and Data Analysis . ACM. Sivut 130-137. <https://doi.org/10.1145/3318236.3318248>
- Tran DT, Kiranyaz S, Gabbouj M, Iosifidis A. 2019. PyGOP: A Python library for Generalized Operational Perceptron algorithms. Knowledge-Based Systems. <https://doi.org/10.1016/j.knsys.2019.06.009>
- Mäkinen S, Puonti M, Lehtonen T, Mikkonen T, Kilamo T, Männistö T. 2019. Revisiting continuous deployment maturity: A two-year perspective. teoksessa Proceedings of the 34th ACM/SIGAPP Symposium on Applied Computing . ACM. Sivut 1810-1817. <https://doi.org/10.1145/3297280.3297458>
- Michalas A. 2019. The Lord of the shares: Combining attribute-based encryption and searchable encryption for flexible data sharing. teoksessa Proceedings of the 34th ACM/SIGAPP Symposium on Applied Computing . ACM. Sivut 146-155. <https://doi.org/10.1145/3297280.3297297>
- He Q, Rezaei A, Pursiainen S. 2019. Zeffiro User Interface for Electromagnetic Brain Imaging: a GPU Accelerated FEM Tool for Forward and Inverse Computations in Matlab. Neuroinformatics. <https://doi.org/10.1007/s12021-019-09436-9>
- Begishev VO, Sopin ES, Molchanov DA, Samouylov AK, Gaidamaka YV, Samouylov KE. 2019. Performance evaluation of bandwidth reservation for mmWave 5G NR systems. Informatsionno-Upravliaiushchie Sistemy. (5):51-63. <https://doi.org/10.31799/1684-8853-2019-5-51-63>
- Dehmer M, Chen Z, Emmert-Streib F, Mowshowitz A, Shi Y, Tripathi S, Zhang Y. 2019. Towards detecting structural branching and cyclicity in graphs: A polynomial-based approach. Information Sciences. 471:19-28. <https://doi.org/10.1016/j.ins.2018.08.043>
- Ponomarenko M, Miroshnichenko O, Lukin V, Egiazarian K. 2019. Additional lossless compression of JPEG images based on BPG. teoksessa Image Processing: Algorithms and Systems XVII. (IS and T International Symposium on Electronic Imaging Science and Technology). <https://doi.org/10.2352/ISSN.2470-1173.2019.11.IPAS-263>
- Ieremeiev O, Lukin V, Ponomarenko N, Egiazarian K. 2019. Combined no-reference IQA metric and its performance analysis. teoksessa Image Processing: Algorithms and Systems XVII. (IS and T International Symposium on Electronic Imaging Science and Technology). <https://doi.org/10.2352/ISSN.2470-1173.2019.11.IPAS-260>
- Ponomarenko M, Katkovnik V, Egiazarian K. 2019. Phase masks optimization for broadband diffractive imaging. teoksessa Image Processing: Algorithms and Systems XVII. (IS and T International Symposium on Electronic Imaging Science and Technology). <https://doi.org/10.2352/ISSN.2470-1173.2019.11.IPAS-258>
- Akpınar U, Sahin E, Suominen O, Gotchev A. 2019. Thin form-factor super multiview head-up display system. teoksessa Stereoscopic Displays and Applications XXX . ( IS&T International Symposium on Electronic Imaging). <https://doi.org/10.2352/ISSN.2470-1173.2019.3.SDA-631>
- Sievi-Korte O, Beecham S, Richardson I. 2019. Challenges and recommended practices for software architecting in global software development. Information and Software Technology. 106:234-253. <https://doi.org/10.1016/j.infsof.2018.10.008>

San Juan Sebastián P, Virtanen T, Garcia-Molla VM, Vidal AM. 2019. Analysis of an efficient parallel implementation of active-set Newton algorithm. *Journal of Supercomputing*. 75(3):1298-1309. <https://doi.org/10.1007/s11227-018-2423-5>

Cai D, Chen K, Qian Y, Kämäräinen J-K. 2019. Convolutional low-resolution fine-grained classification. *Pattern Recognition Letters*. 119:166-171. <https://doi.org/10.1016/j.patrec.2017.10.020>

Ometov A, Petrov V, Bezzateev S, Andreev S, Koucheryavy Y, Gerla M. 2019. Challenges of Multi-Factor Authentication for Securing Advanced IoT Applications. *IEEE Network*. 33(2):82-88. <https://doi.org/10.1109/MNET.2019.1800240>

Heimbirger A, Isomottonen V, Nieminen P, Keto H. 2019. How do academics experience use of recorded audio feedback in higher education? A thematic analysis. teoksessa *Frontiers in Education: Fostering Innovation Through Diversity, FIE 2018 - Conference Proceedings*. IEEE. (Proceedings - Frontiers in Education Conference). <https://doi.org/10.1109/FIE.2018.8658635>

Al-Ars Z, Basten T, Beer A, Geilen M, Goswami D, Jääskeläinen P, Kadlec J, Alejandro MM, Palumbo F, Peeren G, Pomante L, Linden FV, Saarinen J, Sääntti T, Sau C, Zedda MK. 2019. The FitOptiVis ECSEL Project: Highly Efficient Distributed Embedded Image/Video Processing in Cyber-Physical Systems Invited Paper. teoksessa *ACM International Conference on Computing Frontiers 2019, CF 2019 - Proceedings*. ACM. Sivut 333-338. <https://doi.org/10.1145/3310273.3323437>

Kiranyaz S, Ince T, Abdeljaber O, Avci O, Gabbouj M. 2019. 1-D Convolutional Neural Networks for Signal Processing Applications. teoksessa *2019 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2019 - Proceedings*. IEEE. Sivut 8360-8364. <https://doi.org/10.1109/ICASSP.2019.8682194>

Nogues E, Mercat A, Arrestier F, Pelcat M, Menard D. 2019. Convex Energy Optimization of Streaming Applications for MPSoCs. teoksessa *2019 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2019 - Proceedings*. IEEE. Sivut 1557-1561. <https://doi.org/10.1109/ICASSP.2019.8682317>

Zarkias KS, Passalis N, Tsantekidis A, Tefas A. 2019. Deep Reinforcement Learning for Financial Trading Using Price Trailing. teoksessa *2019 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2019 - Proceedings*. IEEE. Sivut 3067-3071. <https://doi.org/10.1109/ICASSP.2019.8683161>

Passalis N, Tefas A, Kannianen J, Gabbouj M, Iosifidis A. 2019. Deep Temporal Logistic Bag-of-features for Forecasting High Frequency Limit Order Book Time Series. teoksessa *2019 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2019 - Proceedings*. IEEE. Sivut 7545-7549. <https://doi.org/10.1109/ICASSP.2019.8682297>

Wang S, Naithani G, Virtanen T. 2019. Low-latency Deep Clustering for Speech Separation. teoksessa *2019 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2019 - Proceedings*. IEEE. Sivut 76-80. <https://doi.org/10.1109/ICASSP.2019.8683437>

Amestoy T, Mercat A, Hamidouche W, Bergeron C, Menard D. 2019. Random Forest Oriented Fast QTBT Frame Partitioning. teoksessa *2019 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2019 - Proceedings*. IEEE. Sivut 1837-1841. <https://doi.org/10.1109/ICASSP.2019.8683413>

Pertilä P, Parviainen M. 2019. Time Difference of Arrival Estimation of Speech Signals Using Deep Neural Networks with Integrated Time-frequency Masking. teoksessa *2019 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2019 - Proceedings*. IEEE. Sivut 436-440. <https://doi.org/10.1109/ICASSP.2019.8682574>

Passalis N, Mourgiaris G, Tsakyridis A, Pleros N, Tefas A. 2019. Variance Preserving Initialization for Training Deep Neuromorphic Photonic Networks with Sinusoidal Activations. teoksessa *2019 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2019 - Proceedings*. IEEE. Sivut 1483-1487. <https://doi.org/10.1109/ICASSP.2019.8682218>

Vadivel K, Jordans R, Stuijk S, Corporaal H, Jääskeläinen P, Kultala H. 2019. Towards Efficient Code Generation for Exposed Datapath Architectures. Stuijk S, Toimittaja. teoksessa *Proceedings of the 22nd International Workshop on Software and Compilers for Embedded Systems, SCOPES 2019*. ACM. Sivut 86-89.

<https://doi.org/10.1145/3323439.3323990>

Mitchell R, Olsson T. 2019. Facilitating the first move: Exploring inspirational design patterns for aiding initiation of social encounters. Tellioglu H, Cech F, Toimittajat. teoksessa C&T 2019 - 9th International Conference on Communities and Technologies, Conference Proceedings. ACM. Sivut 283-294. <https://doi.org/10.1145/3328320.3328396>

Skenderi E, Olshannikova E, Olsson T, Huhtamäki J, Koivunen S, Yao P, Huttunen H. 2019. Investigation of egocentric social structures for diversity-enhancing followee recommendations. teoksessa ACM UMAP 2019 Adjunct - Adjunct Publication of the 27th Conference on User Modeling, Adaptation and Personalization. ACM. Sivut 257-261. <https://doi.org/10.1145/3314183.3323460>

Altonen A, Viitanen M, Räsänen J, Mercat A, Vanne J. 2019. Public and open HEVC encoding service in the cloud. teoksessa Proceedings of the 10th ACM Multimedia Systems Conference, MMSys 2019. ACM. Sivut 300-303. <https://doi.org/10.1145/3304109.3323834>

Diment A, Fagerlund E, Benfield A, Virtanen T. 2019. Detection of Typical Pronunciation Errors in Non-native English Speech Using Convolutional Recurrent Neural Networks. teoksessa 2019 International Joint Conference on Neural Networks, IJCNN 2019. IEEE. <https://doi.org/10.1109/IJCNN.2019.8851963>

Holm J, Väänänen K, Remans MMR. 2019. User Experience Study of 360° Music Videos on Computer Monitor and Virtual Reality Goggles. Banissi E, Ursyn A, McK. Bannatyne MW, Datia N, Pires JM, Francese R, Sarfraz M, Wyeld TG, Bouali F, Venturin G, Azzag H, Lebbah M, Trutschl M, Cvek U, Muller H, Nakayama M, Kernbach S, Caruccio L, Risi M, Erra U, Vitiello A, Rossano V, Toimittajat. teoksessa Information Visualization - Biomedical Visualization and Geometric Modelling and Imaging, IV 2019. IEEE. Sivut 81-87. (Proceedings of the International Conference on Information Visualisation). <https://doi.org/10.1109/IV.2019.00023>

Robertsén F, Mattila K, Westerholm J. 2019. High-performance SIMD implementation of the lattice-Boltzmann method on the Xeon Phi processor. Concurrency Computation. 31(13). <https://doi.org/10.1002/cpe.5072>

Zare M, Huova M, Visa A, Launis S. 2019. Real-time online drilling vibration analysis using data mining. teoksessa Proceedings of the 2019 2nd International Conference on Data Science and Information Technology, DSIT 2019. ACM. Sivut 175-180. <https://doi.org/10.1145/3352411.3352439>

Arcelli Fontana F, Lenarduzzi V, Roveda R, Taibi D. 2019. Are architectural smells independent from code smells? An empirical study. Journal of Systems and Software. 154:139-156. <https://doi.org/10.1016/j.jss.2019.04.066>

Silverajan B, Vistiaho P. 2019. Enabling cybersecurity incident reporting and coordinated handling for maritime sector. teoksessa 2019 14th Asia Joint Conference on Information Security, AsiaJCIS 2019. IEEE. Sivut 88-95. <https://doi.org/10.1109/AsiaJCIS.2019.000-1>

Yu G, Dehmer M, Emmert-Streib F, Jodlbauer H. 2019. Hermitian normalized Laplacian matrix for directed networks. Information Sciences. 495:175-184. <https://doi.org/10.1016/j.ins.2019.04.049>

Lu C, Peltonen J, Nummenmaa T. 2019. Game postmortems vs. developer Reddit AMAs: Computational analysis of developer communication. Khosmood F, Pirker J, Apperley T, Deterding S, Toimittajat. teoksessa Proceedings of the 14th International Conference on the Foundations of Digital Games, FDG 2019. ACM. <https://doi.org/10.1145/3337722.3337727>

Nummenmaa T, Kankainen V. 2019. Social features in hybrid board game marketing material. Khosmood F, Pirker J, Apperley T, Deterding S, Toimittajat. teoksessa Proceedings of the 14th International Conference on the Foundations of Digital Games, FDG 2019. ACM. <https://doi.org/10.1145/3337722.3341864>

Fu J, Pertuz S, Matas J, Kämäräinen J-K. 2019. Performance analysis of single-query 6-DoF camera pose estimation in self-driving setups. Computer Vision and Image Understanding. 186:58-73. <https://doi.org/10.1016/j.cviu.2019.04.009>

Hella L, Kuusisto A, Meier A, Virtema J. 2019. Model checking and validity in propositional and modal inclusion logics. *JOURNAL OF LOGIC AND COMPUTATION*. 29(5):605-630. <https://doi.org/10.1093/logcom/exz008>

Amestoy T, Mercat A, Hamidouche W, Menard D, Bergeron C. 2019. Tunable VVC Frame Partitioning based on Lightweight Machine Learning. *IEEE Transactions on Image Processing*. <https://doi.org/10.1109/TIP.2019.2938670>

Jylhä H, Hamari J. 2019. An icon that everyone wants to click: How perceived aesthetic qualities predict app icon successfulness. *International Journal of Human Computer Studies*. 130:73-85. <https://doi.org/10.1016/j.ijhcs.2019.04.004>

Räsänen O, Seshadri S, Karadayi J, Riebling E, Bunce J, Cristia A, Metze F, Casillas M, Rosemberg C, Bergelson E, Soderstrom M. 2019. Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech. *Speech Communication*. 113:63-80. <https://doi.org/10.1016/j.specom.2019.08.005>

Lwakatare LE, Kilamo T, Karvonen T, Sauvola T, Heikkilä V, Itkonen J, Kuvaja P, Mikkonen T, Oivo M, Lassenius C. 2019. DevOps in practice: A multiple case study of five companies. *Information and Software Technology*. 114:217-230. <https://doi.org/10.1016/j.infsof.2019.06.010>

Simmons N, Nogueira Da Silva CR, Cotton SL, Sofotasios PC, Ki Yoo S, Yacoub MD. 2019. The Double Shadowed  $\kappa$ - $\mu$  Fading Model. teoksessa 2019 International Conference on Wireless and Mobile Computing, Networking and Communications, WiMob 2019. IEEE. (International Conference on Wireless and Mobile Computing, Networking and Communications). <https://doi.org/10.1109/WiMOB.2019.8923336>

Mäkitalo N, Aaltonen T, Raatikainen M, Ometov A, Andreev S, Koucheryavy Y, Mikkonen T. 2019. Action-Oriented Programming Model: Collective Executions and Interactions in the Fog. *Journal of Systems and Software*. 157. <https://doi.org/10.1016/j.jss.2019.110391>

Vajaranta M, Oinonen A, Hämäläinen TD, Viitamäki V, Markunmäki J, Kulmala A. 2019. Feasibility of FPGA accelerated IPsec on cloud. *Microprocessors and Microsystems*. 71. <https://doi.org/10.1016/j.micpro.2019.102861>

Amaral V, Norberto B, Goulão M, Aldinucci M, Benkner S, Bracciali A, Carreira P, Celms E, Correia L, Grellck C, Karatza H, Kessler C, Kilpatrick P, Martiniano H, Mavridis I, Pllana S, Respício A, Simão J, Veiga L, Visa A. 2019. Programming languages for data-intensive HPC applications: A systematic mapping study. *Parallel Computing*. 91. <https://doi.org/10.1016/j.parco.2019.102584>

Burova A, Kelling C, Keskinen T, Hakulinen J, Kallioniemi P, Väättäjä H, Turunen M. 2019. Promoting local culture and enriching airport experiences through interactive storytelling. Jacucci G, Paterno F, Rohs M, Santoro C, Toimittajat. teoksessa MUM 2019 - 18th International Conference on Mobile and Ubiquitous Multimedia, Proceedings. Association for Computing Machinery. (ACM International Conference Proceeding Series). <https://doi.org/10.1145/3365610.3365640>

Hassan SS, Huttunen H, Niemi J, Tohka J. 2019. Bayesian receiver operating characteristic metric for linear classifiers. *Pattern Recognition Letters*. 128:52-59. <https://doi.org/10.1016/j.patrec.2019.07.016>

Sievi-Korte O, Richardson I, Beecham S. 2019. Software architecture design in global software development: An empirical study. *Journal of Systems and Software*. 158. <https://doi.org/10.1016/j.jss.2019.110400>

Yan S, Wirta J, Kämäräinen J-K. 2020. Anthropometric clothing measurements from 3D body scans. *Machine Vision and Applications*. 31(1-2). <https://doi.org/10.1007/s00138-019-01054-4>

Li M, Alhussein O, Sofotasios PC, Muhaidat S, Yoo PD, Liang J, Wang A. 2020. Sensor-Based Cooperative Multi-Antenna Spectrum Sensing with Imperfect Reporting Channels. *IEEE Transactions on Sustainable Computing*. 5(1):48-60. <https://doi.org/10.1109/TSUSC.2019.2896667>

- Belyaev E, Codreanu M, Juntti M, Egiazarian K. 2020. Compressive sensed video recovery via iterative thresholding with random transforms. *IET Image Processing*. 14(6):1187-1200. <https://doi.org/10.1049/iet-ipr.2019.0661>
- Lenarduzzi V, Nikkola V, Saarimäki N, Taibi D. 2020. Does code quality affect pull request acceptance? An empirical study. *Journal of Systems and Software*. 171. <https://doi.org/10.1016/j.jss.2020.110806>
- Lenarduzzi V, Lomio F, Saarimäki N, Taibi D. 2020. Does migrating a monolithic system to microservices decrease the technical debt?. *Journal of Systems and Software*. 169. <https://doi.org/10.1016/j.jss.2020.110710>
- Houbre Q, Angleraud A, Pieters R. 2020. Exploration and exploitation of sensorimotor contingencies for a cognitive embodied agent. Rocha A, Steels L, van den Herik J, Toimittajat. teoksessa *ICAART 2020 - Proceedings of the 12th International Conference on Agents and Artificial Intelligence*. SCITEPRESS. Sivut 546-554. <https://doi.org/10.5220/0008951205460554>
- Ali I, Durmush A, Suominen O, Yli-Hietanen J, Peltonen S, Collin J, Gotchev A. 2020. FinnForest dataset: A forest landscape for visual SLAM. *ROBOTICS AND AUTONOMOUS SYSTEMS*. 132. <https://doi.org/10.1016/j.robot.2020.103610>
- Frimpong E, Michalas A. 2020. IoT-CryptoDiet: Implementing a lightweight cryptographic library based on ecdh and ecdsa for the development of secure and privacy-preserving protocols in contiki-ng. Wills G, Kacsuk P, Chang V, Toimittajat. teoksessa *IoT BDS 2020 - Proceedings of the 5th International Conference on Internet of Things, Big Data and Security*. SCITEPRESS. Sivut 101-111. <https://doi.org/10.5220/0009405401010111>
- Baldassarre MT, Lenarduzzi V, Romano S, Saarimäki N. 2020. On the diffuseness of technical debt items and accuracy of remediation time when using SonarQube. *Information and Software Technology*. 128. <https://doi.org/10.1016/j.infsof.2020.106377>
- Taibi D, El Ioini N, Pahl C, Niederkofler JRS. 2020. Patterns for serverless functions (Function-as-a-Service): A multivocal literature review. Ferguson D, Helfert M, Pahl C, Toimittajat. teoksessa *CLOSER 2020 - Proceedings of the 10th International Conference on Cloud Computing and Services Science*. SCITEPRESS. Sivut 181-192. <https://doi.org/10.5220/0009578501810192>
- Mäkinen P, Mustalahti P, Launis S, Mattila J. 2020. Redundancy-based visual tool center point pose estimation for long-reach manipulators. teoksessa *2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020*. IEEE. Sivut 1387-1393. (IEEE/ASME International Conference on Advanced Intelligent Mechatronics). <https://doi.org/10.1109/AIM43001.2020.9159022>
- Ahmad W, Vagharshakyan S, Sjoström M, Gotchev A, Bregovic R, Olsson R. 2020. Shearlet Transform-Based Light Field Compression under Low Bitrates. *IEEE Transactions on Image Processing*. 29:4269-4280. <https://doi.org/10.1109/TIP.2020.2969087>
- Holm J, Väänänen K, Battah A. 2020. User experience of stereo and spatial audio in 360° live music videos. teoksessa *AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere*. ACM. Sivut 134-141. <https://doi.org/10.1145/3377290.3377291>
- Varkoi T, Mäkinen T, Cameron F, Nevalainen R. 2020. Validating effectiveness of safety requirements' compliance evaluation in process assessments. *Journal of Software: Evolution and Process*. 32(3). <https://doi.org/10.1002/smr.2177>
- Li X, Zhang B. 2020. A preliminary network analysis on steam game tags: Another way of understanding game genres. teoksessa *AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 29-30, 2020, Tampere, Finland*. ACM. Sivut 65-73. <https://doi.org/10.1145/3377290.3377300>

- Beheshtian N, Kaipainen K, Kähkönen K, Ahtinen A. 2020. Color game: A collaborative social robotic game for icebreaking; Towards the design of robotic ambiances as part of smart building services. teoksessa AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere. ACM. Sivut 10-19. <https://doi.org/10.1145/3377290.3377292>
- Korkeila H, Koivisto J, Hamari J. 2020. Demographic differences in accumulated types of capital in massively multiplayer online role-playing games. teoksessa AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere. ACM. Sivut 74-82. <https://doi.org/10.1145/3377290.3377302>
- Jokiniemi S, Myllärniemi J, Poranen T, Vuorenmaa M. 2020. Innovation challenges as a novel multidisciplinary learning platform. teoksessa AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere. ACM. Sivut 145-148. <https://doi.org/10.1145/3377290.3377311>
- Bujic M, Hamari J. 2020. Satisfaction and willingness to consume immersive journalism: Experiment of differences between VR, 360 video, and article. teoksessa AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere. ACM. Sivut 120-125. <https://doi.org/10.1145/3377290.3377310>
- Niemelä M, Ahtinen A, Turunen M. 2020. Social human-robot interaction in the wild: A workshop proposal for academic mindtrek 2020. teoksessa AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere. ACM. Sivut 168-169. <https://doi.org/10.1145/3377290.3377320>
- Chowdhury A, Ahtinen A, Kaipainen K. 2020. "The superhero of the university": Experience-driven design and field study of the university guidance robot. teoksessa AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere. ACM. Sivut 1-9. <https://doi.org/10.1145/3377290.3377304>
- Zolfaghari H, Rossi D, Nurmi J. 2020. A custom processor for protocol-independent packet parsing. *Microprocessors and Microsystems*. 72. <https://doi.org/10.1016/j.micpro.2019.102910>
- Lenarduzzi V, Lomio F, Huttunen H, Taibi D. 2020. Are SonarQube Rules Inducing Bugs?. Kontogiannis K, Khomh F, Chatzigeorgiou A, Fokaefs M-E, Zhou M, Toimittajat. teoksessa SANER 2020 - Proceedings of the 2020 IEEE 27th International Conference on Software Analysis, Evolution, and Reengineering. IEEE. Sivut 501-511. <https://doi.org/10.1109/SANER48275.2020.9054821>
- Raitoharju M, García-Fernández F, Hostettler R, Piché R, Särkkä S. 2020. Gaussian mixture models for signal mapping and positioning. *Signal Processing*. 168. <https://doi.org/10.1016/j.sigpro.2019.107330>
- Nupponen J, Taibi D. 2020. Serverless: What it Is, What to Do and What Not to Do. teoksessa 2020 IEEE International Conference on Software Architecture Companion, ICSCA-C 2020. IEEE. Sivut 49-50. <https://doi.org/10.1109/ICSCA-C50368.2020.00016>
- Frimpong E, Michalas A. 2020. SeCon-NG: Implementing a lightweight cryptographic library based on ECDH and ECDSA for the development of secure and privacy-preserving protocols in contiki-NG. teoksessa 35th Annual ACM Symposium on Applied Computing, SAC 2020. ACM. Sivut 767-769. <https://doi.org/10.1145/3341105.3374076>
- Passalis N, Tefas A, Kannianen J, Gabbouj M, Iosifidis A. 2020. Adaptive Normalization for Forecasting Limit Order Book Data Using Convolutional Neural Networks. teoksessa 2020 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2020 - Proceedings. IEEE. Sivut 1713-1717. (ICASSP, IEEE International Conference on Acoustics, Speech and Signal Processing - Proceedings). <https://doi.org/10.1109/ICASSP40776.2020.9054321>
- Yang M, Zhu H, Wang H, Koucheryavy Y, Samouylov K, Qian H. 2020. Peer to Peer Offloading with Delayed Feedback: An Adversary Bandit Approach. teoksessa 2020 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2020 - Proceedings. IEEE. Sivut 5035-5039. (ICASSP, IEEE International Conference on Acoustics, Speech and Signal Processing - Proceedings). <https://doi.org/10.1109/ICASSP40776.2020.9053680>



Lemmetti A, Viitanen M, Mercat A, Vanne J. 2020. Kvazaar 2.0: Fast and efficient open-source HEVC inter encoder. teoksessa MMSys 2020 - Proceedings of the 2020 Multimedia Systems Conference. ACM. Sivut 237-242. <https://doi.org/10.1145/3339825.3394927>

Lampinen S, Niemi J, Mattila J. 2020. Flow-bounded trajectory-scaling algorithm for hydraulic robotic manipulators. teoksessa 2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM 2020. IEEE. Sivut 619-624. (IEEE/ASME International Conference on Advanced Intelligent Mechatronics, AIM). <https://doi.org/10.1109/AIM43001.2020.9158851>

Ghorbani M, Dehmer M, Cao S, Feng L, Tao J, Emmert-Streib F. 2020. On the zeros of the partial Hosoya polynomial of graphs. Information Sciences. 524:199-215. <https://doi.org/10.1016/j.ins.2020.03.011>

Tsantekidis A, Passalis N, Tefas A, Kannianen J, Gabbouj M, Iosifidis A. 2020. Using Deep Learning for price prediction by exploiting stationary limit order book features. Applied Soft Computing Journal. 93. <https://doi.org/10.1016/j.asoc.2020.106401>

Turunen E. 2020. Necessary and sufficient conditions for the existence of solution of generalized fuzzy relation equations  $A \Leftrightarrow X = B$ . Information Sciences. 536:351-357. <https://doi.org/10.1016/j.ins.2020.05.015>

Lenarduzzi V, Saarimäki N, Taibi D. 2020. Some SonarQube issues have a significant but small effect on faults and changes. A large-scale empirical study. Journal of Systems and Software. 170. <https://doi.org/10.1016/j.jss.2020.110750>

Klock ACT, Gasparini I, Pimenta MS, Hamari J. 2020. Tailored gamification: A review of literature. International Journal of Human Computer Studies. 144. <https://doi.org/10.1016/j.ijhcs.2020.102495>

Legaki NZ, Xi N, Hamari J, Karpouzis K, Assimakopoulos V. 2020. The effect of challenge-based gamification on learning: An experiment in the context of statistics education. International Journal of Human Computer Studies. 144. <https://doi.org/10.1016/j.ijhcs.2020.102496>