Aflaki, P, Hannuksela, MM & Gabbouj, M 2015, Adaptive spatial resolution selection for stereoscopic video compression with MV-HEVC: A frequency based approach. in *2014 IEEE International Symposium on Multimedia, ISM 2014, 10-12 Dec. 2014, Taichung.* The Institute of Electrical and Electronics Engineers, Inc., pp. 267-270, IEEE International Symposium on Multimedia, 1/01/00. https://doi.org/10.1109/ISM.2014.11

Ahti, V, Hyrynsalmi, S & Nevalainen, O 2016, An evaluation framework for cross-platform mobile app development tools: A case analysis of adobe PhoneGap framework. in *Computer Systems and Technologies 17th International Conference, CompSysTech 2016 - Proceedings.* vol. 1164, Association for Computing Machinery, pp. 41-48, 17th International Conference on Computer Systems and Technologies, CompSysTech 2016, Palermo, Italy, 23/06/16. https://doi.org/10.1145/2983468.2983484

Ainasoja, AE, Hietanen, A, Lankinen, J & Kämäräinen, J-K 2018, Keyframe-based video summarization with human in the loop. in *VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications*. vol. 4, SCITEPRESS, pp. 287-296, INTERNATIONAL CONFERENCE ON COMPUTER VISION THEORY AND APPLICATIONS, 1/01/00. https://doi.org/10.5220/0006619202870296

Ainasoja, AE, Pertuz, S & Kämäräinen, J-K 2019, Smartphone teleoperation for self-balancing telepresence robots. in A Kerren, C Hurter & J Braz (eds), VISIGRAPP 2019 - Proceedings of the 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications. SCITEPRESS, pp. 561-568, International Conference on Computer Vision Theory and Applications, Prague, Czech Republic, 25/02/19. https://doi.org/10.5220/0007406405610568

Akkil, D, Isokoski, P, Kangas, J, Rantala, J & Raisamo, R 2014, TraQuMe: A tool for measuring the gaze tracking quality. in *Proceedings of the Symposium on Eye Tracking Research and Applications, ETRA 2014.* Association for Computing Machinery, pp. 327-330, 8th Symposium on Eye Tracking Research and Applications, ETRA 2014, Safety Harbor, FL, United States, 26/03/14. https://doi.org/10.1145/2578153.2578192

Akpinar, U, Sahin, E & Gotchev, A 2018, Viewing simulation of integral imaging display based on wave optics. in 2018 - 3DTV-Conference: The True Vision - Capture, Transmission and Display of 3D Video, 3DTV-CON 2018., 8478568, IEEE, 3DTV-Conference: The True Vision - Capture, Transmission and Display of 3D Video, Helsinki, Finland, 3/06/18. https://doi.org/10.1109/3DTV.2018.8478568

Aspling, F, Juhlin, O & Väätäjä, H 2018, Understanding animals: A critical challenge in ACI. in *NordiCHI 2018: Revisiting the Life Cycle - Proceedings of the 10th Nordic Conference on Human-Computer Interaction*. ACM, pp. 148-160, Nordic Conference on Human-Computer Interaction, Oslo, Norway, 29/09/18. https://doi.org/10.1145/3240167.3240226

Aytekin, C, Iosifidis, A & Gabbouj, M 2018, 'Probabilistic saliency estimation', *Pattern Recognition*, vol. 74, pp. 359-372. https://doi.org/10.1016/j.patcog.2017.09.023

Aytekin, C, Nikkanen, J & Gabbouj, M 2018, Deep multiresolution color constancy. in *2017 IEEE International Conference on Image Processing, ICIP 2017 - Proceedings.* IEEE COMPUTER SOCIETY PRESS, pp. 3735-3739, IEEE International Conference on Image Processing, 1/01/00. https://doi.org/10.1109/ICIP.2017.8296980

Azzari, L, Borges, LR & Foi, A 2018, Modeling and estimation of signal-dependent and correlated noise. in *Denoising of Photographic Images and Video: Fundamentals, Open Challenges and New Trends.* Advances in Computer Vision and Pattern Recognition, SPRINGER-VERLAG LONDON LTD, pp. 1-36. https://doi.org/10.1007/978-3-319-96029-6\_1

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*, vol. 28, no. 7, pp. 679–694. https://doi.org/10.1007/s00138-017-0845-3

Bahrudeen, MNM, Startceva, S & Ribeiro, AS 2017, Effects of extrinsic noise are promoter kinetics dependent. in *Proceedings of the 2017 9th International Conference on Bioinformatics and Biomedical Technology, ICBBT 2017.* ACM, pp. 44-47, International Conference on Bioinformatics and Biomedical Technology, 1/01/00. https://doi.org/10.1145/3093293.3093295

Bedoustani, YB, Taghirad, HD & Aref, MM 2008, Dynamics analysis of a redundant parallel manipulator driven by elastic cables. in *2008 10th International Conference on Control, Automation, Robotics and Vision, ICARCV 2008.*, 4795575, pp. 536-542, 2008 10th International Conference on Control, Automation, Robotics and Vision, ICARCV 2008, Hanoi, Viet Nam, 17/12/08. https://doi.org/10.1109/ICARCV.2008.4795575

Beheshtian, N, Kaipainen, K, Kähkönen, K & Ahtinen, A 2020, Color game: A collaborative social robotic game for icebreaking; Towards the design of robotic ambiences as part of smart building services. in *AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere*. ACM, pp. 10-19, Academic MindTrek Conference, Tampere, Finland, 29/01/20. https://doi.org/10.1145/3377290.3377292

Belyaev, E, Codreanu, M, Juntti, M & Egiazarian, K 2020, 'Compressive sensed video recovery via iterative thresholding with random transforms', *IET Image Processing*, vol. 14, no. 6, pp. 1187-1200. https://doi.org/10.1049/iet-ipr.2019.0661

Betrouni, N, Colin, P, Puech, P, Villers, A & Mordon, S 2013, An image guided treatment platform for prostate cancer photodynamic therapy. in *2013 35th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2013*, 6609514, pp. 370-373, 2013 35th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2013, Osaka, Japan, 3/07/13. https://doi.org/10.1109/EMBC.2013.6609514

Bezzateev, S, Afanasyeva, A, Voloshina, N & Ometov, A 2017, Multi-factor authentication for wearables: Configuring system parameters with risk function. in *Proceedings of the 2nd International Conference on Advanced Wireless Information, Data, and Communication Technologies, AWICT 2017.* ACM, International Conference on Advanced Wireless Information, Data, and Communication Technologies, Paris, France, 13/11/17. https://doi.org/10.1145/3231830.3231834

Bhattacharyya, SS, Van Der Schaar, M, Atan, O, Tekin, C & Sudusinghe, K 2014, Data-driven stream mining systems for computer vision. in *Advances in Computer Vision and Pattern Recognition*. vol. 68, Advances in Computer Vision and Pattern Recognition, vol. 68, SPRINGER-VERLAG LONDON LTD, pp. 249-264. https://doi.org/10.1007/978-3-319-09387-1\_12

Boutellier, J, Lundbom, I, Janhunen, J, Ylimainen, J & Hannuksela, J 2012, Application-specific instruction processor for extracting local binary patterns. in *DASIP 2012 - Proceedings of the 2012 Conference on Design and Architectures for Signal and Image Processing.*, 6385363, pp. 82-89, 6th Annual Conference on Design and Architectures for Signal and Image Processing, DASIP 2012, Karlsruhe, Germany, 23/10/12.

Bugdayci Sansli, D, Aminlou, A, Ugur, K, Hannuksela, MM & Gabbouj, M 2015, Improved weighted prediction based color gamut scalability in SHVC. in *2014 IEEE Visual Communications and Image Processing Conference, VCIP 2014.*, 7051539, The Institute of Electrical and Electronics Engineers, Inc., pp. 201-204, Visual Communications and Image Processing Conference, United Kingdom, 1/01/00. https://doi.org/10.1109/VCIP.2014.7051539

Bujic, M & Hamari, J 2020, Satisfaction and willingness to consume immersive journalism: Experiment of differences between VR, 360 video, and article. in *AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere.* ACM, pp. 120-125, Academic MindTrek Conference, Tampere, Finland, 29/01/20. https://doi.org/10.1145/3377290.3377310

Burova, A, Kelling, C, Hakulinen, J, Kallioniemi, P, Keskinen, T, Turunen, M & Väätäjä, H 2018, The Finnish you – An interactive storytelling application for an airport environment. in *Mindtrek 2018 - Proceedings of the 22nd International Academic Mindtrek Conference*. ACM, pp. 182-191, International Academic Mindtrek Conference, Tampere, Finland, 10/10/18. https://doi.org/10.1145/3275116.3275142

Burova, A, Kelling, C, Keskinen, T, Hakulinen, J, Kallioniemi, P, Väätäjä, H & Turunen, M 2019, Promoting local culture and enriching airport experiences through interactive storytelling. in G Jacucci, F Paterno, M Rohs & C Santoro (eds), MUM 2019 - 18th International Conference on Mobile and Ubiquitous Multimedia, Proceedings., 3365640, ACM International Conference Proceeding Series, Association for Computing Machinery, International Conference on Mobile and Ubiquitous Multimedia, Pisa, Italy, 26/11/19. https://doi.org/10.1145/3365610.3365640

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

Casale-Brunet, S, Bezati, E, Alberti, C, Roquier, G, Mattavelli, M, Janneck, JW & Boutellier, J 2013, Design space exploration and implementation of RVC-CAL applications using the TURNUS framework. in *DASIP 2013 - Proceedings of the 2013 Conference on Design and Architectures for Signal and Image Processing.*, 6661566, pp. 341-342, 2013 7th Conference on Design and Architectures for Signal and Image Processing, DASIP 2013, Cagliari, Italy, 8/10/13.

Chen, K & Zhang, Z 2018, 'A Primal Neural Network for Online Equality-Constrained Quadratic Programming', *Cognitive Computation*, vol. 10, no. 2, pp. 381–388. https://doi.org/10.1007/s12559-017-9510-4

Chowdhury, A, Ahtinen, A & Kaipainen, K 2020, "The superhero of the university": Experience-driven design and field study of the university guidance robot. in *AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere.* ACM, pp. 1-9, Academic MindTrek Conference, Tampere, Finland, 29/01/20. https://doi.org/10.1145/3377290.3377304

Cricri, F, Mate, S, Curcio, IDD & Gabbouj, M 2015, Salient event detection in basketball mobile videos. in *Proceedings - 2014 IEEE International Symposium on Multimedia, ISM 2014.*, 7032995, The Institute of Electrical and Electronics Engineers, Inc., pp. 63-70, IEEE International Symposium on Multimedia, 1/01/00. https://doi.org/10.1109/ISM.2014.67

Curcio, IDD, Toukomaa, H & Naik, D 2017, Bandwidth reduction of omnidirectional viewport-dependent video streaming via subjective quality assessment. in *AltMM 2017 - Proceedings of the 2nd International Workshop on Multimedia Alternate Realities, co-located with MM 2017.* ACM, pp. 9-14, ACM International Workshop on Multimedia Alternate Realities, 1/01/00. https://doi.org/10.1145/3132361.3132364

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*, vol. 39, no. Part B, pp. 369–385. https://doi.org/10.1016/j.image.2015.04.012

Dutta, R, Friberg, AT, Genty, G & Turunen, J 2015, 'Two-time coherence of pulse trains and the integrated degree of temporal coherence', *Journal of the Optical Society of America A: Optics Image Science and Vision*, vol. 32, no. 9, pp. 1631-1637. https://doi.org/10.1364/JOSAA.32.001631

Efimushkina, T, Egiazarian, K & Gabbouj, M 2013, Rate-distortion based reversible watermarking for JPEG images with quality factors selection. in *2013 4th European Workshop on Visual Information Processing, EUVIP 2013, Paris, France, 10.-12.2013.*, 6623958, European Workshop on Visual Information Processing, University of Paris 13, pp. 94-99, 2013 4th European Workshop on Visual Information Processing, EUVIP 2013, Paris, France, 10/06/13.

Eloranta, V-P 2014, Patterns for controlling chaos in a startup. in *VikingPLoP 2014 Proceedings of the 8th Nordic Conference on Pattern Languages of Programs.* vol. 2014-April, ACM International Conference Proceeding Series, Association for Computing Machinery, pp. 1-8, Nordic Conference on Pattern Languages of Programs, 1/01/00. https://doi.org/10.1145/2676680.2676682

Fakour-Sevom, V, Guldogan, E & Kämäräinen, J-K 2018, 360 panorama super-resolution using deep convolutional networks. in *VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications*. vol. 4, SCITEPRESS, pp. 159-165, INTERNATIONAL CONFERENCE ON COMPUTER VISION THEORY AND APPLICATIONS, 1/01/00. https://doi.org/10.5220/0006618901590165

Foi, A & Boracchi, G 2016, 'Foveated Nonlocal Self-Similarity', *International Journal of Computer Vision*, vol. 120, no. 1, pp. 78–110. https://doi.org/10.1007/s11263-016-0898-1

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*, vol. 186, pp. 58-73. https://doi.org/10.1016/j.cviu.2019.04.009

Gao, Y, Koch, R, Bregovic, R & Gotchev, A 2019, Light field reconstruction using shearlet transform in tensorflow. in *2019 IEEE International Conference on Multimedia and Expo Workshops, ICMEW 2019.* IEEE, IEEE International Conference on Multimedia and Expo Workshops, Shanghai, China, 8/07/19. https://doi.org/10.1109/ICMEW.2019.00116

Genocchi, B, Cunha, A, Jain, S, Hyttinen, J, Lenk, K & Ellingsrud, AJ 2020, Parametric exploration of cellular swelling in a computational model of cortical spreading depression. in *42nd Annual International Conferences of the IEEE Engineering in Medicine and Biology Society: Enabling Innovative Technologies for Global Healthcare, EMBC 2020.* Annual International Conference of the IEEE Engineering in Medicine and Biology Society, vol. 2020-July, IEEE, pp. 2491-2495, Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Montreal, Canada, 20/07/20. https://doi.org/10.1109/EMBC44109.2020.9175306

Ghaznavi-Youvalari, R, Hannuksela, MM, Aminlou, A & Gabbouj, M 2018, Viewport-dependent delivery schemes for stereoscopic panoramic video. in *3DTV-CON 2017 - 3D True Vision v2: Research and Applications in Future 3D Media*. IEEE, pp. 1-4, 3DTV Conference, United States, 1/01/00. https://doi.org/10.1109/3DTV.2017.8280404

Gholami, P, Aref, MM & Taghirad, HD 2008, On the control of the KNTU CDRPM: A cable driven redundant parallel manipulator. in *2008 IEEE/RSJ International Conference on Intelligent Robots and Systems, IROS.*, 4650740, pp. 2404-2409, 2008 IEEE/RSJ International Conference on Intelligent Robots and Systems, IROS, Nice, France, 22/09/08. https://doi.org/10.1109/IROS.2008.4650740

Gizatdinova, Y, Spakov, Ŏ & Surakka, V 2012, Face typing: Vision-based perceptual interface for hands-free text entry with a scrollable virtual keyboard. in *2012 IEEE Workshop on the Applications of Computer Vision, WACV 2012.*, 6162997, pp. 81-87, 2012 IEEE Workshop on the Applications of Computer Vision, WACV 2012, Breckenridge, CO, United States, 9/01/12. https://doi.org/10.1109/WACV.2012.6162997

Gizatdinova, Y, Surakka, V, Zhao, G, Mäkinen, E & Raisamo, R 2011, Facial expression classification based on local spatiotemporal edge and texture descriptors. in *Selected Papers from the Proceedings of the 7th International Conference on Methods and Techniques in Behavioral Research - Digital Edition, MB'10.*, 21, 7th International Conference on Methods and Techniques in Behavioral Research, MB'10, Eindhoven, Netherlands, 24/08/10. https://doi.org/10.1145/1931344.1931365

Hakonen, H, Hyrynsalmi, S & Järvi, A 2011, Reducing the number of unit tests with design by contract. in *Computer Systems and Technologies - 12th International Conference, CompSysTech'11 - Proceedings.* vol. 578, pp. 161-166, 12th International Conference on Computer Systems and Technologies, CompSysTech'11, Vienna, Austria, 16/06/11. https://doi.org/10.1145/2023607.2023635

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

Heikkilä, H & Räihä, KJ 2012, Simple gaze gestures and the closure of the eyes as an interaction technique. in *Proceedings - ETRA 2012: Eye Tracking Research and Applications Symposium.* pp. 147-154, 7th Eye Tracking Research and Applications Symposium, ETRA 2012, Santa Barbara, CA, United States, 28/03/12. https://doi.org/10.1145/2168556.2168579

Helenius, M, Kettunen, P & Frank, L 2016, Learnings from the Finnish game industry. in *Proceedings of the 10th Travelling Conference on Pattern Languages of Programs, VikingPLoP 2016.*, a12, ACM, Travelling Conference on Pattern Languages of Programs, 1/01/00. https://doi.org/10.1145/3022636.3022648

Helin, P, Astola, P, Rao, B & Tabus, I 2016, Sparse modelling and predictive coding of subaperture images for lossless plenoptic image compression. in *2016 3DTV-Conference: The True Vision - Capture, Transmission and Display of 3D Video, 3DTV-CON 2016.* IEEE COMPUTER SOCIETY PRESS, 3DTV Conference, 1/01/00. https://doi.org/10.1109/3DTV.2016.7548953

Helminen, J, Ihantola, P & Karavirta, V 2013, Recording and analyzing in-browser programming sessions. in *Proceedings - 13th Koli Calling International Conference on Computing Education Research, Koli Calling 2013*. pp. 13-22, 13th Koli Calling International Conference on Computing Education Research, Koli Calling 2013, Koli, Finland, 14/11/13. https://doi.org/10.1145/2526968.2526970

Hirvonen, J & Kallio, P 2015, 'Automatic image-based detection and inspection of paper fibres for grasping', *IET Computer Vision*, vol. 9, no. 4, pp. 588-594. https://doi.org/10.1049/iet-cvi.2014.0416

Hokkanen, L & Leppänen, M 2015, Three patterns for user involvement in startups. in *Proceedings of the 20th European Conference on Pattern Languages of Programs, EuroPLoP 2015.*, a51, ACM, European Conference on Pattern Languages of Programs, 1/01/00. https://doi.org/10.1145/2855321.2855373

Holm, J, Väänänen, K & Remans, MMR 2019, User Experience Study of 360° Music Videos on Computer Monitor and Virtual Reality Goggles. in E Banissi, A Ursyn, MW McK. Bannatyne, N Datia, JM Pires, R Francese, M Sarfraz, TG Wyeld, F Bouali, G Venturin, H Azzag, M Lebbah, M Trutschl, U Cvek, H Muller, M Nakayama, S Kernbach, L Caruccio, M Risi, U Erra, A Vitiello & V Rossano (eds), *Information Visualization - Biomedical Visualization and Geometric Modelling and Imaging, IV 2019.* Proceedings of the International Conference on Information Visualisation, IEEE, pp. 81-87, International Conference on Information Visualisation, Paris, France, 2/07/19. https://doi.org/10.1109/IV.2019.00023

Holm, J, Väänänen, K & Battah, A 2020, User experience of stereo and spatial audio in 360° live music videos. in *AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere*. ACM, pp. 134-141, Academic MindTrek Conference, Tampere, Finland, 29/01/20. https://doi.org/10.1145/3377290.3377291

Holopainen, J, Lucero, A, Saarenpää, H, Nummenmaa, T, Ali, AE & Jokela, T 2011, Social and privacy aspects of a system for collaborative public expression. in *Proceedings of the 8th International Conference on Advances in Computer Entertainment Technology, ACE 2011.*, 23, 8th International Conference on Advances in Computer Entertainment Technology, ACE 2011, Lisbon, Portugal, 8/11/11. https://doi.org/10.1145/2071423.2071452

Homayouni, M, Aflaki, P, Hannuksela, MM & Gabbouj, M 2015, Asymmetrie luminance based filtering for stereoscopic video compression. in *2014 International Conference on 3D Imaging (IC3D)*. IEEE, International Conference on 3D Imaging, 1/01/00. https://doi.org/10.1109/IC3D.2014.7032577

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. in *Computer Systems and Technologies 17th International Conference, CompSysTech 2016 - Proceedings.* vol. 1164, Association for Computing Machinery, pp. 113-120, 17th International Conference on Computer Systems and Technologies, CompSysTech 2016, Palermo, Italy, 23/06/16. https://doi.org/10.1145/2983468.2983479

Hukkanen, J, Astola, P & Tabus, I 2015, Lossless compression of regions-of-interest from retinal images. in *EUVIP 2014 - 5th European Workshop on Visual Information Processing*. The Institute of Electrical and Electronics Engineers, Inc., European Workshop on Visual Information Processing, 1/01/00. https://doi.org/10.1109/EUVIP.2014.7018394

Huttunen, H & Tohka, J 2015, 'Model selection for linear classifiers using Bayesian error estimation', *Pattern Recognition*, vol. 48, no. 11, pp. 3739-3748. https://doi.org/10.1016/j.patcog.2015.05.005

Hyrskykari, A, Istance, H & Vickers, S 2012, Gaze gestures or dwell-based interaction? in *Proceedings - ETRA 2012: Eye Tracking Research and Applications Symposium*. pp. 229-232, 7th Eye Tracking Research and Applications Symposium, ETRA 2012, Santa Barbara, CA, United States, 28/03/12. https://doi.org/10.1145/2168556.2168602

lashin, V & Rahtu, E 2020, Multi-modal dense video captioning. in *Proceedings - 2020 IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops, CVPRW 2020.* IEEE Computer Society Conference on Computer Vision and Pattern Recognition Workshops, IEEE, pp. 4117-4126, IEEE Computer Society Conference on Computer Vision and Pattern Recognition workshops, Virtual, Online, United States, 14/06/20. https://doi.org/10.1109/CVPRW50498.2020.00487

Ihantola, P, Helminen, J & Karavirta, V 2013, How to study programming on mobile touch devices - Interactive Python code exercises. in *Proceedings - 13th Koli Calling International Conference on Computing Education Research, Koli Calling 2013*, pp. 51-58, 13th Koli Calling International Conference on Computing Education Research, Koli Calling 2013, Koli, Finland, 14/11/13. https://doi.org/10.1145/2526968.2526974

losifidis, A, Tefas, A & Pitas, I 2015, 'On the kernel Extreme Learning Machine classifier', *Pattern Recognition Letters*, vol. 54, pp. 11-17. https://doi.org/10.1016/j.patrec.2014.12.003

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*, vol. 6, no. 2, pp. 254-273.

Iosifidis, A, Tefas, A & Pitas, I 2014, 'Kernel reference discriminant analysis', *Pattern Recognition Letters*, vol. 49, pp. 85-91. https://doi.org/10.1016/j.patrec.2014.06.013

Iosifidis, A, Tefas, A & Pitas, I 2014, 'Discriminant Bag of Words based representation for human action recognition', *Pattern Recognition Letters*, vol. 49, pp. 185-192. https://doi.org/10.1016/j.patrec.2014.07.011

losifidis, A, Tefas, A & Pitas, I 2014, Semi-supervised classification of human actions based on neural networks. in *Proceedings - International Conference on Pattern Recognition*. The Institute of Electrical and Electronics Engineers, Inc., pp. 1336-1341, 22nd International Conference on Pattern Recognition, ICPR 2014, Stockholm, Sweden, 24/08/14. https://doi.org/10.1109/ICPR.2014.239

losifidis, A, Tefas, A & Pitas, I 2013, Active classification for human action recognition. in *2013 IEEE International Conference on Image Processing, ICIP 2013 - Proceedings.*, 6738669, pp. 3249-3253, 2013 20th IEEE International Conference on Image Processing, ICIP 2013, Melbourne, VIC, Australia, 15/09/13. https://doi.org/10.1109/ICIP.2013.6738669

losifidis, A, Tefas, A & Pitas, I 2013, View-independent human action recognition based on multi-view action images and discriminant learning. in 2013 IEEE 11th IVMSP Workshop: 3D Image/Video Technologies and Applications, IVMSP 2013 - Proceedings. 2013 IEEE 11th Workshop on 3D Image/Video Technologies and Applications, IVMSP 2013, Seoul, Korea, Republic of, 10/06/13. https://doi.org/10.1109/IVMSPW.2013.6611931

losifidis, A, Tefas, A & Pitas, I 2013, 'Multi-view action recognition based on action volumes, fuzzy distances and cluster discriminant analysis', *Signal Processing*, vol. 93, no. 6, pp. 1445-1457. https://doi.org/10.1016/j.sigpro.2012.08.015

Iosifidis, A, Tefas, A & Pitas, I 2013, 'Dynamic action recognition based on dynemes and Extreme Learning Machine', *Pattern Recognition Letters*, vol. 34, no. 15, pp. 1890-1898. https://doi.org/10.1016/j.patrec.2012.10.019

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

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

Iosifidis, A, Tefas, A, Pitas, I & Gabbouj, M 2017, 'Big Media Data Analysis', *Signal Processing: Image Communication*, vol. 59, pp. 105-108. https://doi.org/10.1016/j.image.2017.10.004

Istance, H, Vickers, S & Hyrskykari, A 2012, The validity of using non-representative users in gaze communication research. in *Proceedings - ETRA 2012: Eye Tracking Research and Applications Symposium.* pp. 233-236, 7th Eye Tracking Research and Applications Symposium, ETRA 2012, Santa Barbara, CA, United States, 28/03/12. https://doi.org/10.1145/2168556.2168603

Ito, I & Egiazarian, K 2017, Full search equivalent fast block matching using orthonormal tree-structured haar transform. in *ISPA 2017 - 10th International Symposium on Image and Signal Processing and Analysis.* IEEE COMPUTER SOCIETY PRESS, pp. 177-182, International Symposium on Image and Signal Processing and Analysis, 1/01/00. https://doi.org/10.1109/ISPA.2017.8073591

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. in *Proceedings of the 13th International Conference on Mobile and Ubiquitous Multimedia, MUM2014, November 25-28, 2014, Melbourne, Australia.* International conference on mobile and ubiquitous multimedia, ACM, New York, NY, pp. 89-97, International Conference on Mobile and Ubiquitous Multimedia, 1/01/00. https://doi.org/10.1145/2677972.2677993

Jisha, CP & Alberucci, A 2017, 'Paraxial light beams in structured anisotropic media', *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, vol. 34, no. 11, pp. 2019-2024. https://doi.org/10.1364/JOSAA.34.002019

Jokiniemi, S, Myllärniemi, J, Poranen, T & Vuorenmaa, M 2020, Innovation challenges as a novel multidisciplinary learning platform. in *AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere*. ACM, pp. 145-148, Academic MindTrek Conference, Tampere, Finland, 29/01/20. https://doi.org/10.1145/3377290.3377311

Jumisko-Pyykkö, S, Markopoulos, P & Hannuksela, MM 2015, Who is moving - User or device? Experienced quality of mobile 3D video in vehicles. in *ACE 2015 - 12th Advances in Computer Entertainment Technology Conference, Proceedings.*, 13, ACM, International Conference on Advances in Computer Entertainment Technology, 1/01/00. https://doi.org/10.1145/2832932.2832948

Kallioniemi, P & Turunen, M 2012, Model for landmark highlighting in mobile web services. in *Proceedings of the 11th International Conference on Mobile and Ubiquitous Multimedia, MUM 2012.*, 25, 11th International Conference on Mobile and Ubiquitous Multimedia, MUM 2012, Ulm, Germany, 4/12/12. https://doi.org/10.1145/2406367.2406398

Kangas, J, Rantala, J, Majaranta, P, Isokoski, P & Raisamo, R 2014, Haptic feedback to gaze events. in *Proceedings of the Symposium on Eye Tracking Research and Applications, ETRA 2014.* Association for Computing Machinery, pp. 11-18, 8th Symposium on Eye Tracking Research and Applications, ETRA 2014, Safety Harbor, FL, United States, 26/03/14. https://doi.org/10.1145/2578153.2578154

Kara, PA, Kovacs, PT, Vagharshakyan, S, Martini, MG, Barsi, A, Balogh, T, Chuchvara, A & Chehaibi, A 2017, The Effect of Light Field Reconstruction and Angular Resolution Reduction on the Quality of Experience. in *2016 12th International Conference on Signal-Image Technology & Internet-Based Systems (SITIS)*. IEEE, pp. 781-786, INTERNATIONAL CONFERENCE ON SIGNAL-IMAGE TECHNOLOGY AND INTERNET-BASED SYSTEMS, 1/01/00. https://doi.org/10.1109/SITIS.2016.128

Kart, U, Kämäräinen, JK, Fan, L & Gabbouj, M 2018, Evaluation of visual object trackers on equirectangular panorama. in *VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications*. vol. 5, SCITEPRESS, pp. 25-32, INTERNATIONAL CONFERENCE ON COMPUTER VISION THEORY AND APPLICATIONS, 1/01/00. https://doi.org/10.5220/0006526200250032

Katkovnik, V, Ponomarenko, M & Egiazarian, K 2017, 'Sparse approximations in complex domain based on BM3D modeling', *Signal Processing*, vol. 141, pp. 96-108. https://doi.org/10.1016/j.sigpro.2017.05.032

Kelling, C, Karhu, J, Kauhanen, O, Turunen, M, Väätäjä, H & Lindqvist, V 2018, Implications of audio and narration in the user experience design of virtual reality. in *Mindtrek 2018 - Proceedings of the 22nd International Academic Mindtrek Conference*. ACM, pp. 258-261, International Academic Mindtrek Conference, Tampere, Finland, 10/10/18. https://doi.org/10.1145/3275116.3275153

Kertész, C & Turunen, M 2015, Community driven artificial intelligence development for robotics. in *Doctoral Consortium* on *Informatics in Control, Automation and Robotics, DCINCO 2015; in conjunction with the 12th International Conference* on *Informatics in Control, Automation and Robotics, ICINCO*. SCITEPRESS, pp. 3-10, Doctoral Consortium on Informatics in Control, Automation and Robotics, DCINCO 2015; in conjunction with the 12th International Conference on Informatics in Control, Automation and Robotics, ICINCO 2015, Colmar, Alsace, France, 21/07/15.

Kikuchi, H, Kataoka, S, Muramatsu, S & Huttunen, H 2013, Color-tone similarity of digital images. in *2013 IEEE International Conference on Image Processing, ICIP 2013 - Proceedings*. pp. 393-397, 2013 20th IEEE International Conference on Image Processing, ICIP 2013, Melbourne, VIC, Australia, 15/09/13. https://doi.org/10.1109/ICIP.2013.6738081

Kim, SC & Bhattacharyya, SS 2014, Implementation of a low-complexity low-latency arbitrary resampler on GPUs. in 2014 IEEE Dallas Circuits and Systems Conference: Enabling an Internet of Things - From Sensors to Servers, DCAS 2014., 6965333, Institute of Electrical and Electronics Engineers Inc., 10th IEEE Dallas Circuits and Systems Conference, DCAS 2014, Richardson, United States, 12/10/14. https://doi.org/10.1109/DCAS.2014.6965333

Kim, SC, Plishker, WL & Bhattacharyya, SS 2013, An efficient GPU implementation of an arbitrary resampling polyphase channelizer. in *DASIP 2013 - Proceedings of the 2013 Conference on Design and Architectures for Signal and Image Processing.*, 6661548, pp. 231-238, 2013 7th Conference on Design and Architectures for Signal and Image Processing, DASIP 2013, Cagliari, Italy, 8/10/13.

Kim, SC, Plishker, WL, Bhattacharyya, SS & Cavallaro, JR 2012, GPU-based acceleration of symbol timing recovery. in *DASIP 2012 - Proceedings of the 2012 Conference on Design and Architectures for Signal and Image Processing.*, 6385393, pp. 273-280, 6th Annual Conference on Design and Architectures for Signal and Image Processing, DASIP 2012, Karlsruhe, Germany, 23/10/12.

Korkeila, H, Koivisto, J & Hamari, J 2020, Demographic differences in accumulated types of capital in massively multiplayer online role-playing games. in *AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere.* ACM, pp. 74-82, Academic MindTrek Conference, Tampere, Finland, 29/01/20. https://doi.org/10.1145/3377290.3377302

Kristan, M, Pflugfelder, R, Leonardis, A, Matas, J, Porikli, F, Čehovin, L, Nebehay, G, Fernandez, G, Vojíř, 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. in *Proceedings - 2013 IEEE International Conference on Computer Vision Workshops, ICCVW 2013.*, 6755885, Institute of Electrical and Electronics Engineers Inc., pp. 98-111, 2013 14th IEEE International Conference on Computer Vision Workshops, ICCVW 2013, Sydney, NSW, Australia, 1/12/13. https://doi.org/10.1109/ICCVW.2013.20

Kultima, A, Nummenmaa, T, Tyni, H, Alha, K & Mayra, F 2014, Goofy Mus, grumpy Mur and dirty Muf: Talking playful seats with personalities. in *ACE 2014 - 11th Advances in Computer Entertainment Technology Conference, Workshops Proceedings.* vol. 11-14-November-2014, a9, Association for Computing Machinery, 11th Advances in Computer Entertainment Technology Conference, ACE 2014 Workshops, Funchal, Madeira, Portugal, 11/11/14. https://doi.org/10.1145/2693787.2693790

Lankinen, J & Kamarainen, JK 2011, Local feature based unsupervised alignment of object class images. in *BMVC 2011 - Proceedings of the British Machine Vision Conference 2011*. British Machine Vision Association, BMVA, 2011 22nd British Machine Vision Conference, BMVC 2011, Dundee, United Kingdom, 29/08/11. https://doi.org/10.5244/C25.107

Lauri, M, Pajarinen, J, Peters, J & Frintrop, S 2020, 'Multi-sensor next-best-view planning as matroid-constrained submodular maximization', *IEEE Robotics and Automation Letters*, vol. 5, no. 4, pp. 5323-5330. https://doi.org/10.1109/LRA.2020.3007445

Lebeda, K, Hadfield, S, Matas, J & Bowden, R 2013, Long-term tracking through failure cases. in *Proceedings - 2013 IEEE International Conference on Computer Vision Workshops, ICCVW 2013.*, 6755891, Institute of Electrical and Electronics Engineers Inc., pp. 153-160, 2013 14th IEEE International Conference on Computer Vision Workshops,

Leppänen, M 2014, Two patterns for minimizing human resources in a startup. in *VikingPLoP 2014 Proceedings of the 8th Nordic Conference on Pattern Languages of Programs (VikingPLoP)*., 4, ACM, Nordic Conference on Pattern Languages of Programs, 1/01/00. https://doi.org/10.1145/2676680.2676686

Leppänen, M & Hokkanen, L 2015, Four patterns for internal startups. in *Proceedings of the 20th European Conference on Pattern Languages of Programs, EuroPLoP 2015.*, a5, ACM, European Conference on Pattern Languages of Programs, 1/01/00. https://doi.org/10.1145/2855321.2855327

Leppänen, M & Hokkanen, L 2016, Patterns for subsidiaries as innovation tools. in *Proceedings of the 10th Travelling Conference on Pattern Languages of Programs, VikingPLoP 2016.*, a7, ACM, Travelling Conference on Pattern Languages of Programs, 1/01/00. https://doi.org/10.1145/3022636.3022643

Li, L, Fanni, T, Viitanen, T, Xie, R, Palumbo, F, Raffo, L, Huttunen, H, Takala, J & Bhattacharyya, SS 2017, Low power design methodology for signal processing systems using lightweight dataflow techniques. in *DASIP 2016 - Proceedings of the 2016 Conference on Design and Architectures for Signal and Image Processing*. IEEE COMPUTER SOCIETY PRESS, pp. 82-89, Conference on Design and Architectures for Signal and Image Processing, 1/01/00. https://doi.org/10.1109/DASIP.2016.7853801

Li, X & Zhang, B 2020, A preliminary network analysis on steam game tags: Another way of understanding game genres. in *AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 29-30, 2020, Tampere, Finland.* ACM, pp. 65-73, Academic MindTrek Conference, Tampere, Finland, 29/01/20. https://doi.org/10.1145/3377290.3377300

Lilja, KK & Palomäki, J 2018, The use of advanced imaging technology in welfare technology solutions - Some ethical aspects. in 3DTV-CON 2017 - 3D True Vision v2: Research and Applications in Future 3D Media. IEEE, pp. 1-4, 3DTV Conference, United States, 1/01/00. https://doi.org/10.1109/3DTV.2017.8280396

Linna, M, Kannala, J & Rahtu, E 2018, Real-time human pose estimation with convolutional neural networks. in *VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications.* vol. 5, SCITEPRESS, pp. 335-342, INTERNATIONAL CONFERENCE ON COMPUTER VISION THEORY AND APPLICATIONS, 1/01/00. https://doi.org/10.5220/0006624403350342

Lu, C, Peltonen, J & Nummenmaa, T 2019, Game postmortems vs. developer Reddit AMAs: Computational analysis of developer communication. in F Khosmood, J Pirker, T Apperley & S Deterding (eds), *Proceedings of the 14th International Conference on the Foundations of Digital Games, FDG 2019.*, 22, ACM, International Conference on the Foundations of Digital Games, San Luis Obispo, United States, 26/08/19. https://doi.org/10.1145/3337722.3337727

Luhtala, M, Turunen, M, Hakulinen, J & Keskinen, T 2013, 'Aie-studio' - A pragmatist aesthetic approach for procedural sound design. in *Proceedings of the 8th Audio Mostly: A Conference on Interaction with Sound, AM 2013 - In Cooperation with ACM SIGCHI.*, 7, Association for Computing Machinery, 8th Audio Mostly: A Conference on Interaction with Sound, AM 2013, Pitea, Sweden, 18/09/13. https://doi.org/10.1145/2544114.2544124

Luoto, A 2018, Systematic literature review on user logging in virtual reality. in *Mindtrek 2018 - Proceedings of the 22nd International Academic Mindtrek Conference*. ACM, pp. 110-117, International Academic Mindtrek Conference, Tampere, Finland, 10/10/18. https://doi.org/10.1145/3275116.3275123

Luoto, A 2019, Log analysis of 360-degree video users via MQTT. in *ICGDA 2019: Proceedings of the 2019 2nd International Conference on Geoinformatics and Data Analysis*. ACM, pp. 130-137, International Conference on Geoinformatics and Data Analysis, Prague, Czech Republic, 15/03/19. https://doi.org/10.1145/3318236.3318248

Mademlis, I, Iosifidis, A, Tefas, A, Nikolaidis, N & Pitas, I 2015, Stereoscopic video description for human action recognition. in *IEEE SSCI 2014 - 2014 IEEE Symposium Series on Computational Intelligence - CIMSIVP 2014: 2014 IEEE Symposium on Computational Intelligence for Multimedia, Signal and Vision Processing, Proceedings.* The Institute of Electrical and Electronics Engineers, Inc., 2014 IEEE Symposium on Computational Intelligence for Multimedia, Signal and Vision Processing, CIMSIVP 2014, Orlando, United States, 9/12/14. https://doi.org/10.1109/CIMSIVP.2014.7013263

Mäkelä, V, Heimonen, T, Luhtala, M & Turunen, M 2014, Information wall: Evaluation of a gesture-controlled public display . in *ACE 2014 - 11th Advances in Computer Entertainment Technology Conference, Proceedings.* vol. 2014-November, Association for Computing Machinery, pp. 228-231, 13th International Conference on Mobile and Ubiquitous Multimedia, MUM 2014, Melbourne, Australia, 25/11/14. https://doi.org/10.1145/2677972.2677998

Mäkinen, J, Sahin, E & Gotchev, A 2018, Analysis of accommodation cues in holographic stereograms. in 2018 - 3DTV-Conference: The True Vision - Capture, Transmission and Display of 3D Video, 3DTV-CON 2018., 8478586, IEEE, 3DTV-Conference: The True Vision - Capture, Transmission and Display of 3D Video, Helsinki, Finland, 3/06/18. https://doi.org/10.1109/3DTV.2018.8478586

Mehrang, S, Jauhiainen, M, Pietilä, J, Puustinen, J, Ruokolainen, J & Nieminen, H 2018, Identification of Parkinson's Disease Utilizing a Single Self-recorded 20-step Walking Test Acquired by Smartphone's Inertial Measurement Unit. in 40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2018. vol. 2018–July, 8512921, Institute of Electrical and Electronics Engineers Inc., pp. 2913-2916, Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 18/07/18. https://doi.org/10.1109/EMBC.2018.8512921

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

Melekhov, I, Ylioinas, J, Kannala, J & Rahtu, E 2018, Image-Based Localization Using Hourglass Networks. in *2017 IEEE International Conference on Computer Vision Workshops, ICCVW 2017.* IEEE, pp. 870-877, IEEE International Conference on Computer Vision Workshops, 1/01/00. https://doi.org/10.1109/ICCVW.2017.107

Melekhov, I, Tiulpin, A, Sattler, T, Pollefeys, M, Rahtu, E & Kannala, J 2019, DGC-Net: Dense geometric correspondence network. in *2019 IEEE Winter Conference on Applications of Computer Vision, WACV 2019.* IEEE Winter Conference on Applications of Computer Vision, IEEE, pp. 1034-1042, IEEE Winter Conference on Applications of Computer Vision, Waikoloa Village, United States, 7/01/19. https://doi.org/10.1109/WACV.2019.00115

Mitchell, R & Olsson, T 2017, Barriers for bridging interpersonal gaps: Three inspirational design patterns for increasing collocated social interaction. in *C&T 2017 - 8th International Conference on Communities and Technologies, Conference Proceedings.* ACM, pp. 2-10, INTERNATIONAL CONFERENCE ON COMMUNITIES AND TECHNOLOGIES, 1/01/00. https://doi.org/10.1145/3083671.3083697

Mitchell, R & Olsson, T 2019, Facilitating the first move: Exploring inspirational design patterns for aiding initiation of social encounters. in H Tellioglu & F Cech (eds), *C&T 2019 - 9th International Conference on Communities and Technologies, Conference Proceedings*. ACM, pp. 283-294, International Conference on Communities and Technologies, Vienna, Austria, 3/06/19. https://doi.org/10.1145/3328320.3328396

Mouaffo, A, Taibi, D & Jamboti, K 2014, Controlled experiments comparing fault-tree-based safety analysis techniques. in 18th International Conference on Evaluation and Assessment in Software Engineering, EASE 2014., a46, Association for Computing Machinery (ACM), 18th International Conference on Evaluation and Assessment in Software Engineering, EASE 2014, London, United Kingdom, 12/05/14. https://doi.org/10.1145/2601248.2601255

Muravev, A, Raitoharju, J & Gabbouj, M 2018, On the Layer Selection in Small-Scale Deep Networks. in *2018 7th European Workshop on Visual Information Processing (EUVIP)*. IEEE, European Workshop on Visual Information Processing, 1/01/00. https://doi.org/10.1109/EUVIP.2018.8611738

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*, vol. 82, pp. 28-35. https://doi.org/10.1016/j.patrec.2016.01.026

Netzev, M, Angleraud, A & Pieters, R 2020, 'Soft robotic gripper with compliant cell stacks for industrial part handling', *IEEE Robotics and Automation Letters*, vol. 5, no. 4, pp. 6821-6828. https://doi.org/10.1109/LRA.2020.3020546

Niemelä, M, Ahtinen, A & Turunen, M 2020, Social human-robot interaction in the wild: A workshop proposal for academic mindtrek 2020. in *AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere*. ACM, pp. 168-169, Academic MindTrek Conference, Tampere, Finland, 29/01/20. https://doi.org/10.1145/3377290.3377320

Niemi, J & Tanttu, J 2018, 'Deep Learning Case Study for Automatic Bird Identification', *Applied Sciences (Switzerland)*, vol. 8, no. 11, 2089. https://doi.org/10.3390/app8112089

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. in *ACE 2015 - 12th Advances in Computer Entertainment Technology Conference, Proceedings.* vol. 16-19-November-2015, 10, Association for Computing Machinery, 12th Advances in Computer Entertainment Technology Conference, ACE 2015, Iskandar, Malaysia, 16/11/15. https://doi.org/10.1145/2832932.2832959

Nummenmaa, T & Kankainen, V 2019, Social features in hybrid board game marketing material. in F Khosmood, J Pirker, T Apperley & S Deterding (eds), *Proceedings of the 14th International Conference on the Foundations of Digital Games, FDG 2019.*, 67, ACM, International Conference on the Foundations of Digital Games, San Luis Obispo, United States, 26/08/19. https://doi.org/10.1145/3337722.3341864

Obaid, M, Kaipainen, K, Ocnarescu, I & Ahtinen, A 2018, Designing for experiences with socially interactive robots. in *NordiCHI 2018: Revisiting the Life Cycle - Proceedings of the 10th Nordic Conference on Human-Computer Interaction.* ACM, pp. 948-951, Nordic Conference on Human-Computer Interaction, Oslo, Norway, 29/09/18. https://doi.org/10.1145/3240167.3240257

Pajarinen, J, Arenz, O, Peters, J & Neumann, G 2020, 'Probabilistic approach to physical object disentangling', *IEEE Robotics and Automation Letters*, vol. 5, no. 4, pp. 5510-5517. https://doi.org/10.1109/LRA.2020.3006789

Pertilä, P & Nikunen, J 2015, 'Distant speech separation using predicted time-frequency masks from spatial features', *Speech Communication*, vol. 68, pp. 97-106. https://doi.org/10.1016/j.specom.2015.01.006

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*, vol. 30, pp. 57-77. https://doi.org/10.1016/j.image.2014.10.009

Qian, Y, Pertuz, S, Nikkanen, J, Kämäräinen, J-K & Matas, J 2019, Revisiting gray pixel for statistical illumination estimation. in A Kerren, C Hurter & J Braz (eds), *VISIGRAPP 2019 - Proceedings of the 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications.* SCITEPRESS, pp. 36-46, International Conference on Computer Vision Theory and Applications, Prague, Czech Republic, 25/02/19. https://doi.org/10.5220/0007406900360046

Qian, Y, Chen, K & Yu, H 2019, Fast fourier color constancy and grayness index for ISPA illumination estimation challenge. in S Loncaric, R Bregovic, M Carli & M Subasic (eds), *ISPA 2019 - 11th International Symposium on Image and Signal Processing and Analysis*. International Symposium on Image and Signal Processing and Analysis, ISPA, vol. 2019-September, IEEE, pp. 352-354, International Symposium on Image and Signal Processing and Analysis, Dubrovnik, Croatia, 23/09/19. https://doi.org/10.1109/ISPA.2019.8868451

Raitoharju, J, Zhang, H, Ozan, EC, Waris, MA, Faisal, M, Cao, G, Roininen, M, Ahmad, I, Shetty, R, Uhlmann, S, Samiee, K, Kiranyaz, S & Gabbouj, M 2014, Tut MUVIS image retrieval system proposal for MSR-Bing challenge 2014. in *IEEE International Conference on Multimedia and Expo, ICME 2014, Chengdu, China, July 14-18, 2014.* Institute of Electrical and Electronics Engineers IEEE, Piscataway, pp. 1-6, IEEE International Conference on Multimedia and Expo, 1/01/00. https://doi.org/10.1109/ICMEW.2014.6890600

Raitoharju, J, Riabchenko, E, Ahmad, I, Iosifidis, A, Gabbouj, M, Kiranyaz, S, Tirronen, V, Ärje, J, Kärkkäinen, S & Meissner, K 2018, 'Benchmark database for fine-grained image classification of benthic macroinvertebrates', *Image and Vision Computing*, vol. 78, pp. 73-83. https://doi.org/10.1016/j.imavis.2018.06.005

Raitoharju, M, García-Fernández, F, Hostettler, R, Piché, R & Särkkä, S 2020, 'Gaussian mixture models for signal mapping and positioning', *Signal Processing*, vol. 168, 107330. https://doi.org/10.1016/j.sigpro.2019.107330

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*, vol. 113, pp. 63-80. https://doi.org/10.1016/j.specom.2019.08.005

Rastorgueva-Foi, E, Costa, M, Koivisto, M, Leppänen, K & Valkama, M 2018, User Positioning in mmW 5G Networks Using Beam-RSRP Measurements and Kalman Filtering. in *2018 21st International Conference on Information Fusion, FUSION 2018.*, 8455289, IEEE, pp. 1150-1156, International conference on information fusion, 10/07/18. https://doi.org/10.23919/ICIF.2018.8455289

Ratia, M, Myllärniemi, J & Helander, N 2018, Robotic process automation - Creating value by digitalizing work in the private healthcare? in *Mindtrek 2018 - Proceedings of the 22nd International Academic Mindtrek Conference*. ACM, pp. 222-227, International Academic Mindtrek Conference, Tampere, Finland, 10/10/18. https://doi.org/10.1145/3275116.3275129

Rauhamäki, J 2016, Patterns for safety system bus architecture. in *Proceedings of the 10th Travelling Conference on Pattern Languages of Programs, VikingPLoP 2016.*, a4, ACM, Travelling Conference on Pattern Languages of Programs, 1/01/00. https://doi.org/10.1145/3022636.3022640

Riabchenko, E & Kämäräinen, J-K 2015, 'Generative part-based Gabor object detector', *Pattern Recognition Letters*, vol. 68, no. P1, pp. 1-8. https://doi.org/10.1016/j.patrec.2015.08.004

Rindell, K, Hyrynsalmi, S & Leppänen, V 2015, A comparison of security assurance support of agile software development methods. in *Computer Systems and Technologies - 16th International Conference, CompSysTech 2015: Proceedings.* vol. 1008, Association for Computing Machinery, pp. 61-68, 16th International Conference on Computer Systems and Technologies, CompSysTech 2015, Dublin, Ireland, 25/06/15. https://doi.org/10.1145/2812428.2812431

Rubel, O, Lukin, V, Abramov, S, Vozel, B, Pogrebnyak, O & Egiazarian, K 2018, 'ls Texture Denoising Efficiency Predictable?', *International Journal of Pattern Recognition and Artificial Intelligence*, vol. 32, no. 1, 1860005 . https://doi.org/10.1142/S0218001418600054

Ruohonen, J, Hyrynsalmi, S & Leppänen, V 2016, Exploring the use of deprecated PHP releases in the wild internet: Still a LAMP issue? in *6th International Conference on Web Intelligence, Mining and Semantics, WIMS 2016.*, 26, Association for Computing Machinery, 6th International Conference on Web Intelligence, Mining and Semantics, WIMS 2016, Nimes, France, 13/06/16. https://doi.org/10.1145/2912845.2912851

Rusu, C & Astola, J 2019, Input magnitude data setting in error-reduction algorithm for one-dimensional discrete phase retrieval problem. in *ISSCS 2019 - International Symposium on Signals, Circuits and Systems.*, 8801743, IEEE, International Symposium on Signals, Circuits and Systems, Iasi, Romania, 11/07/19. https://doi.org/10.1109/ISSCS.2019.8801743

Şahin, E & Onural, L 2013, 'Calculation of the scalar diffraction field from curved surfaces by decomposing the three-dimensional field into a sum of Gaussian beams', *Journal of the Optical Society of America A: Optics Image Science and Vision*, vol. 30, no. 3, pp. 527-536.

Şahin, E & Onural, L 2012, 'Scalar diffraction field calculation from curved surfaces via Gaussian beam decomposition', *Journal of the Optical Society of America A: Optics Image Science and Vision*, vol. 29, no. 7, pp. 1459-1469. https://doi.org/10.1364/JOSAA.29.001459

Salminen, K, Rantala, J, Isokoski, P, Lehtonen, M, Müller, P, Karjalainen, M, Väliaho, J, Kontunen, A, Nieminen, V, Leivo, J, Telembeci, AA, Lekkala, J, Kallio, P & Surakka, V 2018, Olfactory display prototype for presenting and sensing authentic and synthetic odors. in *ICMI 2018 - Proceedings of the 2018 International Conference on Multimodal Interaction*.

ACM, pp. 73-77, ACM International Conference on Multimodal Interaction, Boulder, United States, 16/10/18. https://doi.org/10.1145/3242969.3242999

Sand, A & Rakkolainen, I 2013, Mixed reality with multimodal head-mounted pico projector. in *Proceedings of the Virtual Reality International Conference on Laval Virtual, VRIC 2013.*, 14, Virtual Reality International Conference on Laval Virtual, VRIC 2013, Laval, France, 20/03/13. https://doi.org/10.1145/2466816.2466831

Sapio, A, Bhattacharyya, SS & Wolf, M 2018, Efficient Solving of Markov Decision Processes on GPUs Using Parallelized Sparse Matrices. in *2018 Conference on Design and Architectures for Signal and Image Processing, DASIP 2018.*Conference on Design and Architectures for Signal and Image Processing, DASIP, IEEE COMPUTER SOCIETY PRESS, pp. 13-18, Conference on Design and Architectures for Signal and Image Processing, Porto, Portugal, 10/10/18. https://doi.org/10.1109/DASIP.2018.8596969

Sarjanoja, S, Boutellier, J & Hannuksela, J 2015, BM3D image denoising using heterogeneous computing platforms. in *DASIP 2015 - Proceedings of the 2015 Conference on Design and Architectures for Signal and Image Processing.* vol. 2015-December, 7367257, IEEE COMPUTER SOCIETY PRESS, Conference on Design and Architectures for Signal and Image Processing, DASIP 2015, Cracow, Poland, 23/09/15. https://doi.org/10.1109/DASIP.2015.7367257

Sharmin, S, Špakov, O & Räihä, KJ 2013, Reading on-screen text with gaze-based auto-scrolling. in *Proceedings of the 2013 Conference on Eye Tracking South Africa, ETSA 2013*. pp. 24-31, 2013 Conference on Eye Tracking South Africa, ETSA 2013, Cape Town, South Africa, 29/08/13. https://doi.org/10.1145/2509315.2509319

Sikiö, M, Holli-Helenius, KK, Ryymin, P, Dastidar, P, Eskola, H & Harrison, L 2015, The effect of region of interest size on textural parameters. in *2015 9th International Symposium on Image and Signal Processing and Analysis (ISPA)*. IEEE, pp. 149-153, International Symposium on Image and Signal Processing and Analysis, Croatia, 1/01/15. https://doi.org/10.1109/ISPA.2015.7306049

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? in *Proceedings of the 9th International Conference on Social Media and Society, SMSociety 2018.* ACM, pp. 160-167, International Conference on Social Media and Society, Copenhagen, Denmark, 18/07/18. https://doi.org/10.1145/3217804.3217908

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*, vol. 20, no. 5, pp. 395-411. https://doi.org/10.1162/PRES\_a\_00063

Sohrab, F, Raitoharju, J, Iosifidis, A & Gabbouj, M 2020, 'Multimodal subspace support vector data description', *Pattern Recognition*, vol. 110, 107648. https://doi.org/10.1016/j.patcog.2020.107648

Solin, A, Cortés, S, Rahtu, E & Kannala, J 2018, PIVO: Probabilistic inertial-visual odometry for occlusion-robust navigation. in *Proceedings - 2018 IEEE Winter Conference on Applications of Computer Vision, WACV 2018.* IEEE, pp. 616-625, IEEE Winter Conference on Applications of Computer Vision, Lake Tahoe, United States, 12/03/18. https://doi.org/10.1109/WACV.2018.00073

Solin, A, Cortes, S, Rahtu, E & Kannala, J 2018, Inertial Odometry on Handheld Smartphones. in *2018 21st International Conference on Information Fusion, FUSION 2018.*, 8455482, IEEE, pp. 1361-1368, International Conference on Information Fusion, Cambridge, United Kingdom, 10/07/18. https://doi.org/10.23919/ICIF.2018.8455482

Sorokin, M, Strokina, N, Eerola, T, Lensu, L, Karttunen, K & Kalviainen, H 2016, 'Image-based characterization of the pulp flows', *Pattern Recognition and Image Analysis*, vol. 26, no. 3, pp. 630-637. https://doi.org/10.1134/S1054661816030196

Špakov, O & Gizatdinova, Y 2014, Real-time hidden gaze point correction. in *Proceedings of the Symposium on Eye Tracking Research and Applications, ETRA 2014.* Association for Computing Machinery, pp. 291-294, 8th Symposium on Eye Tracking Research and Applications, ETRA 2014, Safety Harbor, FL, United States, 26/03/14. https://doi.org/10.1145/2578153.2578200

Špakov, O, Isokoski, P & Majaranta, P 2014, Look and lean: Accurate head-assisted eye pointing. in *Proceedings of the Symposium on Eye Tracking Research and Applications, ETRA 2014.* Association for Computing Machinery, pp. 35-42, 8th Symposium on Eye Tracking Research and Applications, ETRA 2014, Safety Harbor, FL, United States, 26/03/14. https://doi.org/10.1145/2578153.2578157

Špakov, O 2012, Comparison of eye movement filters used in HCI. in *Proceedings - ETRA 2012: Eye Tracking Research and Applications Symposium*. pp. 281-284, 7th Eye Tracking Research and Applications Symposium, ETRA 2012, Santa Barbara, CA, United States, 28/03/12. https://doi.org/10.1145/2168556.2168616

Špakov, O 2011, Comparison of gaze-to-objects mapping algorithms. in *Proceedings of the 1st Conference on Novel Gaze-Controlled Applications, NGCA'11.*, 6, 1st Conference on Novel Gaze-Controlled Applications, NGCA'11, Karlskrona, Sweden, 26/05/11. https://doi.org/10.1145/1983302.1983308

Strokina, N, Matas, J, Eerola, T, Lensu, L & Kälviäinen, H 2016, 'Detection of bubbles as concentric circular arrangements ', *Machine Vision and Applications*, vol. 27, no. 3, pp. 387-396. https://doi.org/10.1007/s00138-016-0749-7

Taibi, D, Lenarduzzi, V, Pahl, C & Janes, A 2017, Microservices in agile software development: A workshop-based study into issues, advantages, and disadvantages. in *Proceedings of the XP2017 Scientific Workshops, XP 2017.* vol. Part F129907, a23, Association for Computing Machinery, 2017 XP Scientific Workshops, XP 2017, Cologne, Germany, 22/05/17. https://doi.org/10.1145/3120459.3120483

Taibi, D, Lenarduzzi, V, Diebold, P & Lunesu, I 2017, Operationalizing the experience factory for effort estimation in agile processes. in *Proceedings of the 21st International Conference on Evaluation and Assessment in Software Engineering, EASE 2017.* vol. Part F128635, Association for Computing Machinery, pp. 31-40, 21st International Conference on Evaluation and Assessment in Software Engineering, EASE 2017, Karlskrona, Sweden, 15/06/17. https://doi.org/10.1145/3084226.3084240

Taibi, D, Lenarduzzi, V, Ahmad, MO & Liukkunen, K 2017, Comparing communication effort within the scrum, scrum with Kanban, XP, and Banana development processes. in *Proceedings of the 21st International Conference on Evaluation and Assessment in Software Engineering, EASE 2017.* vol. Part F128635, Association for Computing Machinery, pp. 258-263, 21st International Conference on Evaluation and Assessment in Software Engineering, EASE 2017, Karlskrona, Sweden, 15/06/17. https://doi.org/10.1145/3084226.3084270

Tarniceriu, A, Harju, J, Yousefi, ZR, Vehkaoja, A, Parak, J, Yli-Hankala, A & Korhonen, I 2018, The Accuracy of Atrial Fibrillation Detection from Wrist Photoplethysmography. A Study on Post-Operative Patients. in *40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2018*. vol. 2018-July, 8513197, IEEE, pp. 4844-4847, Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 18/07/18. https://doi.org/10.1109/EMBC.2018.8513197

Tavakoli, HR, Rahtu, E, Kannala, J & Borji, A 2019, Digging deeper into egocentric gaze prediction. in *2019 IEEE Winter Conference on Applications of Computer Vision, WACV 2019.* IEEE Winter Conference on Applications of Computer Vision, IEEE, pp. 273-282, IEEE Winter Conference on Applications of Computer Vision, Waikoloa Village, United States, 7/01/19. https://doi.org/10.1109/WACV.2019.00035

Tavakoli, HR, Borji, A, Kannala, J & Rahtu, E 2020, Deep audio-visual saliency: Baseline model and data. in SN Spencer (ed.), *Proceedings ETRA 2020 Short Papers - ACM Symposium on Eye Tracking Research and Applications, ETRA 2020.*, 3, ACM, ACM Symposium on Eye Tracking Research and Applications, Stuttgart, Germany, 2/06/20. https://doi.org/10.1145/3379156.3391337

Thanh Tran, D, Gabbouj, M & Iosifidis, A 2017, 'Multilinear class-specific discriminant analysis', *Pattern Recognition Letters*, vol. 100, pp. 131-136. https://doi.org/10.1016/j.patrec.2017.10.027

Tripathy, SR, Chakravarty, K & Sinha, A 2018, Eigen Posture Based Fall Risk Assessment System Using Kinect. in *40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2018*. vol. 2018-July, 8513263, IEEE, pp. 1-4, Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Honolulu, United States, 18/07/18. https://doi.org/10.1109/EMBC.2018.8513263

Tripathy, S, Kannala, J & Rahtu, E 2020, ICface: Interpretable and controllable face reenactment using GANs. in *2020 IEEE Winter Conference on Applications of Computer Vision, WACV 2020*. IEEE Winter Conference on Applications of Computer Vision, IEEE, pp. 3374-3383, IEEE/CVF Winter Conference on Applications of Computer Vision, Snowmass Village, United States, 1/03/20. https://doi.org/10.1109/WACV45572.2020.9093474

Valkonen, M, Kartasalo, K, Liimatainen, K, Nykter, M, Latonen, L & Ruusuvuori, P 2018, Dual Structured Convolutional Neural Network with Feature Augmentation for Quantitative Characterization of Tissue Histology. in 2017 IEEE International Conference on Computer Vision Workshops, ICCVW 2017. IEEE, pp. 27-35, IEEE International Conference on Computer Vision Workshops, 1/01/00. https://doi.org/10.1109/ICCVW.2017.10

Varsaluoma, J, Väätäjä, 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. in *Mindtrek 2018 - Proceedings of the 22nd International Academic Mindtrek Conference*. ACM, pp. 172-181, International Academic Mindtrek Conference, Tampere, Finland, 10/10/18. https://doi.org/10.1145/3275116.3275138

Viitanen, T, Koskela, M, Immonen, K, Mäkitalo, M, Jääskeläinen, P & Takala, J 2018, Sparse sampling for real-time ray tracing. in *VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications*. vol. 1, SCITEPRESS, pp. 295-302, INTERNATIONAL CONFERENCE ON COMPUTER GRAPHICS THEORY AND APPLICATIONS, 1/01/00. https://doi.org/10.5220/0006655802950302

Yan, S, Wirta, J & Kämäräinen, J-K 2020, 'Anthropometric clothing measurements from 3D body scans', *Machine Vision and Applications*, vol. 31, no. 1-2, 7. https://doi.org/10.1007/s00138-019-01054-4

Yancheshmeh, FS, Chen, K & Kämäräinen, J-K 2018, Hierarchical deformable part models for heads and tails. in *VISIGRAPP 2018 - Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications*. vol. 5, SCITEPRESS, pp. 45-55, INTERNATIONAL CONFERENCE ON COMPUTER VISION THEORY AND APPLICATIONS, 1/01/00. https://doi.org/10.5220/0006532700450055

Yang, D, Qian, Y, Cai, D, Yan, S, Kämäräinen, J-K & Chen, K 2019, Visibility-Aware Part Coding for Vehicle Viewing Angle Estimation. in *9th International Conference on Information Science and Technology, ICIST 2019.* IEEE, pp. 65-70, IEEE International Conference on Information Science and Technology, Hulunbuir, China, 2/08/19. https://doi.org/10.1109/ICIST.2019.8836907

Ylinen, M & Pekkola, S 2018, Looking for a five-legged sheep: Identifying enterprise architects' skills and competencies. in *Proceedings of the 19th Annual International Conference on Digital Government Research: Governance in the Data Age, DG.O 2018.*, a58, ACM, Annual International Conference on Digital Government Research, 1/01/00. https://doi.org/10.1145/3209281.3209353

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

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*, vol. 28, no. 10, pp. 1295-1302. https://doi.org/10.1016/j.image.2013.08.013

Zare, A, Kovacs, PT, Aminlou, A, Hannuksela, MM & Gotchev, A 2016, Decoding complexity reduction in projection-based light-field 3D displays using self-contained HEVC tiles. in 2016 3DTV-Conference: The True Vision - Capture, Transmission and Display of 3D Video, 3DTV-CON 2016. IEEE COMPUTER SOCIETY PRESS, 3DTV Conference, United States, 1/01/00. https://doi.org/10.1109/3DTV.2016.7548965

Zare, M, Huova, M, Visa, A & Launis, S 2019, Real-time online drilling vibration analysis using data mining. in *Proceedings of the 2019 2nd International Conference on Data Science and Information Technology, DSIT 2019.* ACM, pp. 175-180, International Conference on Data Science and Information Technology, Seoul, Korea, Republic of, 19/07/19. https://doi.org/10.1145/3352411.3352439

Zhu, S, Zeng, B & Gabbouj, M 2015, 'Adaptive sampling for compressed sensing based image compression', *Journal of Visual Communication and Image Representation*, vol. 30, pp. 94-105. https://doi.org/10.1016/j.jvcir.2015.03.006

Zou, N, Zhang, H, Cricri, F, Tavakoli, HR, Lainema, J, Aksu, E, Hannuksela, M & Rahtu, E 2020, End-to-end learning for video frame compression with self-attention. in *Proceedings - 2020 IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops, CVPRW 2020.* IEEE Computer Society Conference on Computer Vision and Pattern Recognition Workshops, IEEE, pp. 580-584, IEEE Computer Society Conference on Computer Vision and Pattern Recognition workshops, Virtual, Online, United States, 14/06/20. https://doi.org/10.1109/CVPRW50498.2020.00079