

Klock, Ana Carolina Tomé ; Gasparini, Isabela ; Pimenta, Marcelo Soares ; Hamari, Juho. / **Tailored gamification : A review of literature**. Julkaisussa: International Journal of Human Computer Studies. 2020 ; Vuosikerta 144.

Legaki, Nikoletta Zampeta ; Xi, Nannan ; Hamari, Juho ; Karpouzis, Kostas ; Assimakopoulos, Vassilios. / **The effect of challenge-based gamification on learning : An experiment in the context of statistics education**. Julkaisussa: International Journal of Human Computer Studies. 2020 ; Vuosikerta 144.

Lemmetti, Ari ; Viitanen, Marko ; Mercat, Alexandre ; Vanne, Jarno. / **Kvazaar 2.0 : Fast and efficient open-source HEVC inter encoder**. MMSys 2020 - Proceedings of the 2020 Multimedia Systems Conference. ACM, 2020. Sivut 237-242

Tavakoli, Hamed Rezazadegan ; Borji, Ali ; Kannala, Juho ; Rahtu, Esa. / **Deep audio-visual saliency : Baseline model and data**. Proceedings ETRA 2020 Short Papers - ACM Symposium on Eye Tracking Research and Applications, ETRA 2020. Toimittaja / Stephen N. Spencer. ACM, 2020.

Li, Xiaozhou ; Zhang, Boyang. / **A preliminary network analysis on steam game tags : Another way of understanding game genres**. AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 29-30, 2020, Tampere, Finland. ACM, 2020. Sivut 65-73

Beheshtian, Nasim ; Kaipainen, Kirsikka ; Kähkönen, Kalle ; Ahtinen, Aino. / **Color game : A collaborative social robotic game for icebreaking; Towards the design of robotic ambiances as part of smart building services**. AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere. ACM, 2020. Sivut 10-19

Korkeila, Henry ; Koivisto, Jonna ; Hamari, Juho. / **Demographic differences in accumulated types of capital in massively multiplayer online role-playing games**. AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere. ACM, 2020. Sivut 74-82

Jokiniemi, Sini ; Myllärniemi, Jussi ; Poranen, Timo ; Vuorenmaa, Marika. / **Innovation challenges as a novel multidisciplinary learning platform**. AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere. ACM, 2020. Sivut 145-148

Bujic, Mila ; Hamari, Juho. / **Satisfaction and willingness to consume immersive journalism : Experiment of differences between VR, 360 video, and article**. AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere. ACM, 2020. Sivut 120-125

Niemelä, Marketta ; Ahtinen, Aino ; Turunen, Markku. / **Social human-robot interaction in the wild : A workshop proposal for academic mindtrek 2020**. AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere. ACM, 2020. Sivut 168-169

Chowdhury, Aparajita ; Ahtinen, Aino ; Kaipainen, Kirsikka. / **"The superhero of the university" : Experience-driven design and field study of the university guidance robot**. AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere. ACM, 2020. Sivut 1-9

Korkeila, Henry ; Hamari, Juho. / **Avatar capital : The relationships between player orientation and their avatar's social, symbolic, economic and cultural capital**. Julkaisussa: Computers in Human Behavior. 2020 ; Vuosikerta 102. Sivut 14-21.

Mehmood, Adnan ; He, Han ; Chen, Xiaochen ; Vianto, Aleksu ; Vianto, Ville ; Buruk, Oğuz 'Oz' ; Virkki, Johanna. / **ClothFace : A Passive RFID-Based Human-Technology Interface on a Shirtsleeve**. Julkaisussa: Advances in Human-Computer Interaction. 2020 ; Vuosikerta 2020.

Jylhä, Henrietta ; Hamari, Juho. / **Development of measurement instrument for visual qualities of graphical user interface elements (VISQUAL) : a test in the context of mobile game icons**. Julkaisussa: User Modeling and User-Adapted Interaction. 2020.

Macey, Joseph ; Tyrväinen, Ville ; Pirkkalainen, Henri ; Hamari, Juho. / **Does esports spectating influence game consumption?**. Julkaisussa: Behaviour and Information Technology. 2020.

Olshannikova, Ekaterina ; Olsson, Thomas ; Huhtamäki, Jukka ; Paasovaara, Susanna ; Kärkkäinen, Hannu. / **From Chance to Serendipity : Knowledge Workers' Experiences of Serendipitous Social Encounters**. Julkaisussa: Advances in Human-Computer Interaction. 2020 ; Vuosikerta 2020.

Lauri, Mikko ; Pajarinen, Joni ; Peters, Jan ; Frintrop, Simone. / **Multi-sensor next-best-view planning as matroid-constrained submodular maximization**. Julkaisussa: IEEE Robotics and Automation Letters. 2020 ; Vuosikerta 5, Nro 4. Sivut 5323-5330.

Pajarinen, Joni ; Arenz, Oleg ; Peters, Jan ; Neumann, Gerhard. / **Probabilistic approach to physical object disentangling**. Julkaisussa: IEEE Robotics and Automation Letters. 2020 ; Vuosikerta 5, Nro 4. Sivut 5510-5517.

Holm, Jukka ; Väänänen, Kaisa ; Battah, Anas. / **User experience of stereo and spatial audio in 360° live music videos**. AcademicMindtrek 2020 - Proceedings of the 23rd International Academic Mindtrek Conference: January 2020, Tampere. ACM, 2020. Sivut 134-141

Koivunen, Sami ; Olsson, Thomas ; Olshannikova, Ekaterina ; Lindberg, Aki. / **Understanding decision-making in recruitment : Opportunities and challenges for information technology**. Julkaisussa: Proceedings of the ACM on Human-Computer Interaction. 2019 ; Vuosikerta 3, Nro GROUP.

Burova, Alisa ; Kelling, Chelsea ; Keskinen, Tuuli ; Hakulinen, Jaakko ; Kallioniemi, Pekka ; Väätäjä, Heli ; Turunen, Markku. / **Promoting local culture and enriching airport experiences through interactive storytelling**. MUM 2019 - 18th International Conference on Mobile and Ubiquitous Multimedia, Proceedings. Toimittaja / Giulio Jacucci ; Fabio Paterno ; Michael Rohs ; Carmen Santoro. Association for Computing Machinery, 2019. (ACM International Conference Proceeding Series).

Jylhä, Henrietta ; Hamari, Juho. / **An icon that everyone wants to click : How perceived aesthetic qualities predict app icon successfulness**. Julkaisussa: International Journal of Human Computer Studies. 2019 ; Vuosikerta 130. Sivut 73-85.

De Oliveira, Marcela Tuler ; Michalas, Antonis ; Groot, Adrien E.D. ; Marquering, Henk A. ; Olabariaga, Silvia Delgado. / **Red Alert : Break-Glass Protocol to Access Encrypted Medical Records in the Cloud**. 2019 IEEE International Conference on E-Health Networking, Application and Services, HealthCom 2019. IEEE, 2019.

Lu, Chien ; Peltonen, Jaakko ; Nummenmaa, Timo. / **Game postmortems vs. developer Reddit AMAs : Computational analysis of developer communication**. Proceedings of the 14th International Conference on the Foundations of Digital Games, FDG 2019. Toimittaja / Foad Khosmood ; Johanna Pirker ; Thomas Apperley ; Sebastian Deterding. ACM, 2019.

Nummenmaa, Timo ; Kankainen, Ville. / **Social features in hybrid board game marketing material**. Proceedings of the 14th International Conference on the Foundations of Digital Games, FDG 2019. Toimittaja / Foad Khosmood ; Johanna Pirker ; Thomas Apperley ; Sebastian Deterding. ACM, 2019.

Zare, Marzieh ; Huova, Mikko ; Visa, Ari ; Launis, Sirpa. / **Real-time online drilling vibration analysis using data mining**. Proceedings of the 2019 2nd International Conference on Data Science and Information Technology, DSIT 2019. ACM, 2019. Sivut 175-180

Kaipainen, Kirsikka ; Sairanen, Essi ; Lappalainen, Päivi. / **Understanding engagement in web-based Acceptance and Commitment Therapy interventions for parental burnout: Usage, dose-response and user experiences**. Julkaisun esittämispaiikka: ACBS World Conference, Dublin, Irlanti.

Altonen, Aaro ; Viitanen, Marko ; Räsänen, Joni ; Mercat, Alexandre ; Vanne, Jarno. / **Public and open HEVC encoding service in the cloud**. Proceedings of the 10th ACM Multimedia Systems Conference, MMSys 2019. ACM, 2019. Sivut 300-303

Mitchell, Robb ; Olsson, Thomas. / **Facilitating the first move : Exploring inspirational design patterns for aiding initiation of social encounters**. C&T 2019 - 9th International Conference on Communities and Technologies, Conference Proceedings. Toimittaja / Hilda Tellioglu ; Florian Cech. ACM, 2019. Sivut 283-294

Ellman, Asko ; Tiainen, Tarja. / **Diffusion of innovation : Case of co-design of cabins in mobile work machine industry**. Julkaisussa: Computers. 2019 ; Vuosikerta 8, Nro 2.

Ponomarenko, Mykola ; Miroschnichenko, Oleksandr ; Lukin, Vladimir ; Egiazarian, Karen. / **Additional lossless compression of JPEG images based on BPG**. Image Processing: Algorithms and Systems XVII. 2019. (IS and T International Symposium on Electronic Imaging Science and Technology).

Ieremeiev, Oleg ; Lukin, Vladimir ; Ponomarenko, Nikolay ; Egiazarian, Karen. / **Combined no-reference IQA metric and its performance analysis**. Image Processing: Algorithms and Systems XVII. 2019. (IS and T International Symposium on Electronic Imaging Science and Technology).

Ponomarenko, Mykola ; Katkovnik, Vladimir ; Egiazarian, Karen. / **Phase masks optimization for broadband diffractive imaging**. Image Processing: Algorithms and Systems XVII. 2019. (IS and T International Symposium on Electronic Imaging Science and Technology).

Akpinar, Ugur ; Sahin, Erdem ; Suominen, Olli ; Gotchev, Atanas. / **Thin form-factor super multiview head-up display system**. Stereoscopic Displays and Applications XXX . 2019. ( IS&T International Symposium on Electronic Imaging).

Begishev, V. O. ; Sopin, E. S. ; Molchanov, D. A. ; Samouylov, A. K. ; Gaidamaka, Yu V. ; Samouylov, K. E. / **Performance evaluation of bandwidth reservation for mmWave 5G NR systems**. Julkaisussa: Informatsionno-Upravliaiushchie Sistemy. 2019 ; Nro 5. Sivut 51-63.

Soltani, A. ; Lahti, J. ; Järvelä, K. ; Laurikka, J. ; Kuokkala, V. T. ; Hokka, M. / **Characterization of the anisotropic deformation of the right ventricle during open heart surgery**. Julkaisussa: COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING. 2019.

Tavella, Federico ; Giaretta, Alberto ; Dooley-Cullinane, Triona Marie ; Conti, Mauro ; Coffey, Lee ; Balasubramaniam, Sasitharan. / **DNA Molecular Storage System : Transferring Digitally Encoded Information through Bacterial Nanonetworks** . Julkaisussa: IEEE Transactions on Emerging Topics in Computing . 2019.

Luoto, Antti. / **Log analysis of 360-degree video users via MQTT**. ICGDA 2019: Proceedings of the 2019 2nd International Conference on Geoinformatics and Data Analysis . ACM, 2019. Sivut 130-137

Rubio Hernandez, Rosana ; Pérez-Guembe, Elena. / **Mille-Oeille : An architectural response to zoos' obsolescence in post-anthropocentric times**. DATA & DESIGN: Methods of Computational Design Strategies. Toimittaja / Marcella Del Signore ; Nancy Diniz. Routledge, 2019.

Angleraud, Alexandre ; Houbre, Quentin ; Pieters, Roel. / **Teaching semantics and skills for human-robot collaboration**. Julkaisussa: Paladyn. 2019 ; Vuosikerta 10, Nro 1. Sivut 318-329.

Hamari, Juho ; Malik, Aqdas ; Koski, Johannes ; Johri, Aditya. / **Uses and Gratifications of Pokémon Go : Why do People Play Mobile Location-Based Augmented Reality Games?**. Julkaisussa: International Journal of Human-Computer Interaction. 2019 ; Vuosikerta 35, Nro 9.

Suominen, Anu ; Jussila, Jari. / **Collaborative Writing and Knowledge Creation in a Social Media Online Community**. The Future of Innovation and Technology in Education: Policies and Practices for Teaching and Learning Excellence (Emerald Studies in Higher Education, Innovation and Technology). Toimittaja / Anna Visvizi ; Miltiadis D. Lytras ; Linda Daniela. Emerald Group Publishing Ltd., 2018. Sivut 95-109

Angleraud, Alexandre ; Houbre, Quentin ; Kyrki, Ville ; Pieters, Roel. / **Human-robot interactive learning architecture using ontologies and symbol manipulation**. RO-MAN 2018 - 27th IEEE International Symposium on Robot and Human Interactive Communication: August 27-31, 2018, Nanjing, China.. IEEE, 2018. Sivut 384-389 (IEEE RO-MAN).

Varsaluoma, Jari ; Vääätäjä, Heli ; Heimonen, Tomi ; Tiitinen, Katariina ; Hakulinen, Jaakko ; Turunen, Markku ; Nieminen, Harri. / **Guidelines for development and evaluation of usage data analytics tools for human-machine interactions with industrial manufacturing systems**. Mindtrek 2018 - Proceedings of the 22nd International Academic Mindtrek Conference. ACM, 2018. Sivut 172-181

Kelling, Chelsea ; Karhu, Jussi ; Kauhanen, Otto ; Turunen, Markku ; Vääätäjä, Heli ; Lindqvist, Vesa. / **Implications of audio and narration in the user experience design of virtual reality**. Mindtrek 2018 - Proceedings of the 22nd International Academic Mindtrek Conference. ACM, 2018. Sivut 258-261

Ratia, M. ; Myllärniemi, J. ; Helander, N. / **Robotic process automation - Creating value by digitalizing work in the private healthcare?**. Mindtrek 2018 - Proceedings of the 22nd International Academic Mindtrek Conference. ACM, 2018. Sivut 222-227

Luoto, Antti. / **Systematic literature review on user logging in virtual reality**. Mindtrek 2018 - Proceedings of the 22nd International Academic Mindtrek Conference. ACM, 2018. Sivut 110-117

Burova, Alisa ; Kelling, Chelsea ; Hakulinen, Jaakko ; Kallioniemi, Pekka ; Keskinen, Tuuli ; Turunen, Markku ; Vääätäjä, Heli. / **The Finnish you – An interactive storytelling application for an airport environment**. Mindtrek 2018 - Proceedings of the 22nd International Academic Mindtrek Conference. ACM, 2018. Sivut 182-191

Salminen, Katri ; Rantala, Jussi ; Isokoski, Poika ; Lehtonen, Marko ; Müller, Philipp ; Karjalainen, Markus ; Väliäho, Jari ; Kontunen, Anton ; Nieminen, Ville ; Leivo, Joni ; Telembeci, Anca Andreea ; Lekkala, Jukka ; Kallio, Pasi ; Surakka, Veikko. / **Olfactory display prototype for presenting and sensing authentic and synthetic odors**. ICMI 2018 - Proceedings of the 2018 International Conference on Multimodal Interaction. ACM, 2018. Sivut 73-77

Mäkinen, Jani ; Sahin, Erdem ; Gotchev, Atanas. / **Analysis of accommodation cues in holographic stereograms**. 2018 - 3DTV-Conference: The True Vision - Capture, Transmission and Display of 3D Video, 3DTV-CON 2018. IEEE, 2018.

Akpınar, Ugur ; Sahin, Erdem ; Gotchev, Atanas. / **Viewing simulation of integral imaging display based on wave optics**. 2018 - 3DTV-Conference: The True Vision - Capture, Transmission and Display of 3D Video, 3DTV-CON 2018. IEEE, 2018.

Obaid, Mohammad ; Kaipainen, Kirsikka ; Ocnarescu, Ioana ; Ahtinen, Aino. / **Designing for experiences with socially interactive robots**. NordiCHI 2018: Revisiting the Life Cycle - Proceedings of the 10th Nordic Conference on Human-Computer Interaction. ACM, 2018. Sivut 948-951

Aspling, Fredrik ; Juhlin, Oskar ; Vääätäjä, Heli. / **Understanding animals : A critical challenge in ACI**. NordiCHI 2018: Revisiting the Life Cycle - Proceedings of the 10th Nordic Conference on Human-Computer Interaction. ACM, 2018. Sivut 148-160

Meriläinen, Niina ; Pietilä, Iikka ; Varsaluoma, Jari. / **Digital services and youth participation in processes of social change: World Café workshops in Finland**. Julkaisun esittämisaika: European Consortium for Political Research General Conference, Hamburg, Saksa.30 Sivumäärä

Sjöblom, Max ; Hassan, Lobna ; Macey, Joseph ; Törhönen, Maria ; Hamari, Juho. / **Liking the game : How can spectating motivations influence social media usage at live esports events?**. Proceedings of the 9th International Conference on Social Media and Society, SMSociety 2018. ACM, 2018. Sivut 160-167

Merilampi, Sari ; Koivisto, Antti ; Virkki, Johanna. / **Activation game for older adults - Development and initial user experiences.** 2018 IEEE 6th International Conference on Serious Games and Applications for Health, SeGAH 2018. IEEE, 2018. Sivut 1-5

Sabuncuoğlu, Alpay ; Erkaya, Merve ; Buruk, Oğuz Turan ; Göksun, Tilbe. / **Code notes : Designing a low-cost tangible coding tool for/with children.** IDC 2018 - Proceedings of the 2018 ACM Conference on Interaction Design and Children. ACM, 2018. Sivut 644-649

Heikkinen, Antti ; Pääkkönen, Pekka ; Viitanen, Marko ; Vanne, Jarno ; Riikonen, Tommi ; Bakanoglu, Kagan. / **Fast and easy live video service setup using lightweight virtualization.** Proceedings of the 9th ACM Multimedia Systems Conference, MMSys 2018. ACM, 2018. Sivut 487-489

Naik, Deepa ; Curcio, Igor D.D. ; Toukoma, Henri. / **Optimized viewport dependent streaming of stereoscopic omnidirectional video.** Proceedings of the 23th ACM Workshop on Packet Video, PV 2018. ACM, 2018. Sivut 37-42

Erkaya, Merve ; Özcan, Oğuzhan ; Beşevli, Ceylan ; Buruk, Oğuz Turan. / **Investigating the effects of legacy bias : User elicited gestures from the end users perspective.** DIS 2018 - Companion Publication of the 2018 Designing Interactive Systems Conference. ACM, 2018. Sivut 277-281

Ylinen, M. ; Pekkola, Samuli. / **Looking for a five-legged sheep : Identifying enterprise architects' skills and competencies.** Proceedings of the 19th Annual International Conference on Digital Government Research: Governance in the Data Age, DG.O 2018. ACM, 2018.

Suzumori, Koichi ; Hyon, Sang Ho ; Semini, Claudio ; Mattila, Jouni ; Kanda, Takefumi. / **Preface : Special Issue on 'New Hydraulic Components for Tough Robots'.** Julkaisussa: Advanced Robotics. 2018 ; Vuosikerta 32, Nro 9.

Van Oosterhout, Anke ; Alonso, Miguel Bruns ; Jumisko-Pyykkö, Satu. / **Ripple thermostat : Affecting the emotional experience through interactive force feedback and shape change.** Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems . ACM, 2018.

Jeyhani, Vala ; Mahdiani, Shadi ; Viik, Jari ; Oksala, Niku ; Vehkaoja, Antti. / **A novel technique for analysis of postural information with wearable devices.** 2018 IEEE 15th International Conference on Wearable and Implantable Body Sensor Networks, BSN 2018. IEEE, 2018. Sivut 30-33

Macey, Joseph ; Hamari, Juho. / **Investigating relationships between video gaming, spectating esports, and gambling.** Julkaisussa: Computers in Human Behavior. 2018 ; Vuosikerta 80. Sivut 344-353.

Hilvert-Bruce, Zorah ; Neill, James T. ; Sjöblom, Max ; Hamari, Juho. / **Social motivations of live-streaming viewer engagement on Twitch.** Julkaisussa: Computers in Human Behavior. 2018 ; Vuosikerta 84. Sivut 58-67.

Lilja, Kari K. ; Palomäki, Jari. / **The use of advanced imaging technology in welfare technology solutions - Some ethical aspects.** 3DTV-CON 2017 - 3D True Vision v2: Research and Applications in Future 3D Media. IEEE, 2018. Sivut 1-4

Ghaznavi-Youvalari, Ramin ; Hannuksela, Miska M. ; Aminlou, Alireza ; Gabbouj, Moncef. / **Viewport-dependent delivery schemes for stereoscopic panoramic video.** 3DTV-CON 2017 - 3D True Vision v2: Research and Applications in Future 3D Media. IEEE, 2018. Sivut 1-4

Ponomarenko, Mykola ; Gapon, Nikolay ; Voronin, Viacheslav ; Egiazarian, Karen. / **Blind estimation of white Gaussian noise variance in highly textured images.** Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology, 2018.

Voronin, V. ; Semenishchev, E. ; Ponomarenko, M. ; Agaian, S. / **Combined local and global image enhancement algorithm.** Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology, 2018.

Miroshnichenko, Oleksandr ; Ponomarenko, Mykola ; Lukin, Vladimir ; Egiazarian, Karen. / **Compression of signs of DCT coefficients for additional lossless compression of JPEG images**. Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology, 2018.

Sahin, Erdem ; Vagharshakyan, Suren ; Bregovic, Robert ; Lee, Gwangsoon ; Gotchev, Atanas. / **Conversion of sparsely-captured light field into alias-free fullparallax multiview content**. Electronic Imaging: Stereoscopic Displays and Applications XXIX. Society for Imaging Science and Technology, 2018. Sivut 1441-1445

Battisti, F. ; Carli, M. ; De Paola, E. ; Egiazarian, K. / **Deep p-Fibonacci scattering networks**. Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology, 2018.

Roto, Virpi ; Clemmensen, Torkil ; Väättäjä, Heli ; Law, Effie Lai Chong. / **Designing interactive systems for work engagement**. Julkaisussa: Human Technology. 2018 ; Vuosikerta 14, Nro 2. Sivut 135-139.

Hamari, Juho ; Hassan, Lobna ; Dias, Antonio. / **Gamification, quantified-self or social networking? Matching users' goals with motivational technology**. Julkaisussa: User Modeling and User-Adapted Interaction. 2018 ; Vuosikerta 28, Nro 1. Sivut 35-74.

Ponomarenko, Mykola ; Katkovnik, Vladimir ; Egiazarian, Karen. / **Methods and tools for denoising of complex-valued images based on block-matching and high order singular value decomposition**. Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology, 2018.

Rubio Hernandez, Rosana ; Pérez-Guembe, Elena. / **Mille-Oeille : Environmental Zoo**. Time, Space, Existence. GAA Foundation, 2018. Sivut 410-413

Ieremeiev, Oleg ; Lukin, Vladimir ; Ponomarenko, Nikolay ; Egiazarian, Karen. / **Robust linearized combined metrics of image visual quality**. Electronic Imaging: Image Processing: Algorithms and Systems XVI. Society for Imaging Science and Technology, 2018.

Roto, Virpi (Toimittaja) ; Clemmensen, Torkil (Toimittaja) ; Väättäjä, Heli (Toimittaja) ; Law, Effie Lai Chong (Toimittaja). / **Special Issue on Designing Interactive Systems for Work Engagement**. Julkaisussa: Human Technology. 2018 ; Vuosikerta 14, Nro 2. Sivut 135-257.

Morschheuser, Benedikt ; Riar, Marc ; Hamari, Juho ; Maedche, Alexander. / **How games induce cooperation? A study on the relationship between game features and we-intentions in an augmented reality game**. Julkaisussa: Computers in Human Behavior. 2017 ; Vuosikerta 77. Sivut 169-183.

Bezzateev, Sergey ; Afanasyeva, Aleksandra ; Voloshina, Natalia ; Ometov, Aleksandr. / **Multi-factor authentication for wearables : Configuring system parameters with risk function**. Proceedings of the 2nd International Conference on Advanced Wireless Information, Data, and Communication Technologies, AWICT 2017. ACM, 2017.

Curcio, Igor D.D. ; Toukoma, Henri ; Naik, Deepa. / **Bandwidth reduction of omnidirectional viewport-dependent video streaming via subjective quality assessment**. AltMM 2017 - Proceedings of the 2nd International Workshop on Multimedia Alternate Realities, co-located with MM 2017. ACM, 2017. Sivut 9-14

Morschheuser, Benedikt ; Hamari, Juho ; Koivisto, Jonna ; Maedche, Alexander. / **Gamified crowdsourcing : Conceptualization, literature review, and future agenda**. Julkaisussa: International Journal of Human-Computer Studies. 2017 ; Vuosikerta 106. Sivut 26-43.

Sjöblom, Max ; Törhönen, Maria ; Hamari, Juho ; Macey, Joseph. / **Content structure is king : An empirical study on gratifications, game genres and content type on Twitch**. Julkaisussa: Computers in Human Behavior. 2017 ; Vuosikerta 73. Sivut 161-171.

Desogus, C. ; Fadda, M. ; Murrioni, M. ; Araniti, G. ; Orsino, A. / **Mobility aware eMBMS management in urban 5G-oriented systems**. 2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017. IEEE, 2017.

Araniti, G. ; Orsino, A. ; Militano, L. ; Putrino, G. ; Andreev, S. ; Koucheryavy, Y. ; Iera, A. / **Novel D2D-based relaying method for multicast services over 3GPP LTE-A systems**. 2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017. IEEE, 2017.

Orsino, A. ; Araniti, G. ; Scopelliti, P. ; Gudkova, I. A. ; Samouylov, K. E. ; Iera, A. / **Optimal subgroup configuration for multicast services over 5G-satellite systems**. 2017 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting, BMSB 2017. IEEE, 2017.

Multisilta, Jari ; Niemi, Hannele ; Hamilton, Eric. / **Children designing videos : Tools, pedagogical models, and best practices for digital storytelling and media-making in the classroom**. IDC 2017 - Proceedings of the 2017 ACM Conference on Interaction Design and Children. ACM, 2017. Sivut 693-696

Mitchell, Robb ; Olsson, Thomas. / **Barriers for bridging interpersonal gaps : Three inspirational design patterns for increasing collocated social interaction**. C&T 2017 - 8th International Conference on Communities and Technologies, Conference Proceedings. ACM, 2017. Sivut 2-10

Taibi, Davide ; Lenarduzzi, Valentina ; Ahmad, Muhammad Ovais ; Liukkunen, Kari. / **Comparing communication effort within the scrum, scrum with Kanban, XP, and Banana development processes**. Proceedings of the 21st International Conference on Evaluation and Assessment in Software Engineering, EASE 2017. Vuosikerta Part F128635 Association for Computing Machinery, 2017. Sivut 258-263

Taibi, D. ; Lenarduzzi, V. ; Diebold, P. ; Lunesu, I. / **Operationalizing the experience factory for effort estimation in agile processes**. Proceedings of the 21st International Conference on Evaluation and Assessment in Software Engineering, EASE 2017. Vuosikerta Part F128635 Association for Computing Machinery, 2017. Sivut 31-40

Hamari, Juho. / **Do badges increase user activity? A field experiment on the effects of gamification**. Julkaisussa: Computers in Human Behavior. 2017 ; Vuosikerta 71. Sivut 469-478.

Hamari, Juho ; Keronen, Lauri. / **Why do people buy virtual goods : A meta-analysis**. Julkaisussa: Computers in Human Behavior. 2017 ; Vuosikerta 71. Sivut 59-69.

Taibi, Davide ; Lenarduzzi, Valentina ; Pahl, Claus ; Janes, Andrea. / **Microservices in agile software development : A workshop-based study into issues, advantages, and disadvantages**. Proceedings of the XP2017 Scientific Workshops, XP 2017. Vuosikerta Part F129907 Association for Computing Machinery, 2017.

Bahrudeen, Mohamed N.M. ; Startceva, Sofia ; Ribeiro, Andre S. / **Effects of extrinsic noise are promoter kinetics dependent**. Proceedings of the 2017 9th International Conference on Bioinformatics and Biomedical Technology, ICBBT 2017. ACM, 2017. Sivut 44-47

Ninaus, Manuel ; Kiili, Kristian ; McMullen, Jake ; Moeller, Korbinian. / **Assessing fraction knowledge by a digital game**. Julkaisussa: Computers in Human Behavior. 2017 ; Vuosikerta 70. Sivut 197-206.

Salo, Kari ; Zinin, Vallo ; Bauters, Merja ; Mikkonen, Tommi. / **Modular audio story platform for museums**. IUI 2017 - Companion of the 22nd International Conference on Intelligent User Interfaces. ACM, 2017. Sivut 113-116

Chaudhary, Sunil ; Berki, Eleni ; Nykänen, Pirkko ; Zolotavkin, Yevhen ; Helenius, Marko ; Kela, Juha. / **Towards a conceptual framework for privacy protection in the use of interactive 360° video surveillance**. 2016 22nd International Conference on Virtual System & Multimedia (VSMM). IEEE, 2017.

Egiazarian, Karen ; Danielyan, Aram ; Ponomarenko, Nikolay ; Foia, Alessandro ; Ieremeiev, Oleg ; Lukin, Vladimir. / **BM3D-HVS : Content-Adaptive denoising for improved visual quality**. Image Processing: Algorithms and Systems XV. 2017. Sivut 48-55 (Electronic Imaging).

Kiili, Kristian. / **From theories to game mechanics : Developing a game for training rational numbers**. Proceedings of the 11th European Conference on Games Based Learning, ECGBL 2017. Academic Conferences and Publishing International Limited, 2017. Sivut 328-334

Ieremeiev, Oleg ; Lukin, Vladimir ; Ponomarenko, Nikolay ; Egiazarian, Karen. / **Full-reference metrics multidistortional analysis**. Image Processing: Algorithms and Systems XV. 2017. Sivut 27-35 (Electronic Imaging).

Jalonen, Harri ; Jussila, Jari . / **The nexus between social media behaviour, negative consumer emotions and brand disloyalty**. Julkaisun esittämispaikka: 12th European Conference on Management Leadership and Governance, Bucharest, Romania.

Jussila, Jari ; Helander, Nina ; Lehtonen, Timo ; Kallio, Julius ; Sillanpää, Virpi . / **Can e-government solutions enhance the work in municipalities?: empirical evidence from case lupapiste**. AcademicMindtrek '16: Proceedings of the 20th International Academic Mindtrek Conference: Oct. 17th-19th, 2016. ACM, 2016. Sivut 20-25

Rakkolainen, Ismo ; Raisamo, Roope ; Turk, Matthew ; Höllerer, Tobias ; Palovuori, Karri. / **Casual immersive viewing with smartphones**. AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM, 2016. Sivut 449-452

Hokkanen, Laura ; Xu, Yueqiang ; Väänänen, Kaisa. / **Focusing on user experience and business models in startups : Investigation of two-dimensional value creation**. AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM, 2016. Sivut 59-67

Hildén, Elina ; Väättäjä, Heli ; Roto, Virpi ; Uusitalo, Kero. / **Participatory development of user experience design guidelines for a B2B company**. AcademicMindtrek '16 Proceedings of the 20th International Academic Mindtrek Conference . ACM, 2016. Sivut 49-58

Mattila, Anna-Liisa ; Ihantola, Petri ; Kilamo, Terhi ; Luoto, Antti ; Nurminen, Mikko ; Väättäjä, Heli. / **Software visualization today - Systematic literature review**. AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM, 2016. Sivut 262-271

Jumisko-Pyykkö, Satu ; Pesonen, Emilia ; Väättäjä, Heli. / **Temporal dimensions of affect in user experience of digital news in the field**. AcademicMindtrek 2016 - Proceedings of the 20th International Academic Mindtrek Conference. ACM, 2016. Sivut 192-197

Vuori, Vilma ; Jussila, Jari . / **The 5C categorization of social media tools**. Proceedings of the 20th International Academic Mindtrek Conference: Oct. 17th-19th, 2016, Tampere, Finland. ACM, 2016. Sivut 26-33

Viehrig, Marlitt ; Tuukkanen, Sampo ; Kallio, Pasi. / **Challenges and capabilities of conductive polymeric materials for electromechanical stimulation of stem cells : A case study**. 2016 International Conference on Manipulation, Automation and Robotics at Small Scales, MARSS 2016. Institute of Electrical and Electronics Engineers Inc., 2016.

Jokela, Tero ; Rezaei, Parisa Pour ; Väänänen, Kaisa. / **Using elicitation studies to generate collocated interaction methods**. Proceedings of the 18th International Conference on Human-Computer Interaction with Mobile Devices and Services Adjunct, MobileHCI 2016. ACM, 2016. Sivut 1129-1133

Zare, Alireza ; Kovacs, Peter Tamas ; Aminlou, Alireza ; Hannuksela, Miska M. ; Gotchev, Atanas. / **Decoding complexity reduction in projection-based light-field 3D displays using self-contained HEVC tiles**. 2016 3DTV-Conference: The True Vision - Capture, Transmission and Display of 3D Video, 3DTV-CON 2016. IEEE COMPUTER SOCIETY PRESS, 2016.



Helin, Petri ; Astola, Pekka ; Rao, Bhaskar ; Tabus, Ioan. / **Sparse modelling and predictive coding of subaperture images for lossless plenoptic image compression.** 2016 3DTV-Conference: The True Vision - Capture, Transmission and Display of 3D Video, 3DTV-CON 2016. IEEE COMPUTER SOCIETY PRESS, 2016.

Ahti, Ville ; Hyrynsalmi, Sami ; Nevalainen, Olli. / **An evaluation framework for cross-platform mobile app development tools : A case analysis of adobe PhoneGap framework.** Computer Systems and Technologies 17th International Conference, CompSysTech 2016 - Proceedings. Vuosikerta 1164 Association for Computing Machinery, 2016. Sivut 41-48

Hosseinzadeh, Shohreh ; Rauti, Sampsa ; Laurén, Samuel ; Mäkelä, Jari Matti ; Holvitie, Johannes ; Hyrynsalmi, Sami ; Leppänen, Ville. / **A survey on aims and environments of diversification and obfuscation in software security.** Computer Systems and Technologies 17th International Conference, CompSysTech 2016 - Proceedings. Vuosikerta 1164 Association for Computing Machinery, 2016. Sivut 113-120

Venesvirta, Hanna ; Surakka, Veikko ; Gizatdinova, Yulia ; Lylykangas, Jani ; Špakov, Oleg ; Verho, Jarmo ; Vetek, Akos ; Lekkala, Jukka. / **Emotional Reactions to Point-Light Display Animations.** Julkaisussa: Interacting with Computers. 2016 ; Vuosikerta 28, Nro 4. Sivut 521-531.

Ruohonen, Jukka ; Hyrynsalmi, Sami ; Leppänen, Ville. / **Exploring the use of deprecated PHP releases in the wild internet : Still a LAMP issue?.** 6th International Conference on Web Intelligence, Mining and Semantics, WIMS 2016. Association for Computing Machinery, 2016.

Partala, Timo ; Kujala, Sari. / **Exploring the role of ten universal values in using products and services.** Julkaisussa: Interacting with Computers. 2016 ; Vuosikerta 28, Nro 3. Sivut 311-331.

Ometov, Aleksandr ; Masek, Pavel ; Malina, Lukas ; Florea, Roman ; Hosek, Jiri ; Andreev, Sergey ; Hajny, Jan ; Niutanen, Jussi ; Koucheryavy, Yevgeni. / **Feasibility characterization of cryptographic primitives for constrained (wearable) IoT devices.** IEEE International Conference on Pervasive Computing and Communication Workshops, PerCom Workshops 2016. IEEE, 2016.

Helenius, Marko ; Kettunen, Petri ; Frank, Lauri. / **Learnings from the Finnish game industry.** Proceedings of the 10th Travelling Conference on Pattern Languages of Programs, VikingPLoP 2016. ACM, 2016.

Rauhämäki, Jari. / **Patterns for safety system bus architecture.** Proceedings of the 10th Travelling Conference on Pattern Languages of Programs, VikingPLoP 2016. ACM, 2016.

Leppänen, Marko ; Hokkanen, Laura. / **Patterns for subsidiaries as innovation tools.** Proceedings of the 10th Travelling Conference on Pattern Languages of Programs, VikingPLoP 2016. ACM, 2016.

Jarusriboonchai, Pradthana ; Malapaschas, Aris ; Olsson, Thomas ; Väänänen, Kaisa. / **Increasing collocated people's awareness of the mobile user's activities : A field trial of social displays.** CSCW '16 - Proceedings of the 19th ACM Conference on Computer-Supported Cooperative Work & Social Computing . ACM, 2016. Sivut 1691-1702

Jarusriboonchai, Pradthana ; Malapaschas, Aris ; Olsson, Thomas ; Väänänen, Kaisa. / **Social display...We can see what you are doing on your mobile device.** CSCW '16 Proceedings of the 19th ACM Conference on Computer-Supported Cooperative Work & Social Computing. ACM, 2016. Sivut 53-56

Iosifidis, Alexandros ; Tefas, Anastasios ; Pitas, Ioannis. / **Graph Embedded Extreme Learning Machine.** Julkaisussa: IEEE Transactions on Cybernetics. 2016 ; Vuosikerta 46, Nro 1. Sivut 311 - 324.

Nummenmaa, Timo ; Tyni, Heikki ; Kultima, Annakaisa ; Alha, Kati ; Holopainen, Jussi. / **Need to touch, wonder of discovery, and social capital : Experiences with interactive playful seats.** ACE 2015 - 12th Advances in Computer Entertainment Technology Conference, Proceedings. Vuosikerta 16-19-November-2015 Association for Computing Machinery, 2015.

Jumisko-Pyykkö, Satu ; Markopoulos, Panos ; Hannuksela, Miska M. / **Who is moving - User or device? Experienced quality of mobile 3D video in vehicles.** ACE 2015 - 12th Advances in Computer Entertainment Technology Conference, Proceedings. ACM, 2015.

Kaasinen, Eija ; Roto, Virpi ; Hakulinen, Jaakko ; Heimonen, Tomi ; Jokinen, Jussi P P ; Karvonen, Hannu ; Keskinen, Tuuli ; Koskinen, Hanna ; Lu, Yichen ; Saariluoma, Pertti ; Tokkonen, Helena ; Turunen, Markku. / **Defining user experience goals to guide the design of industrial systems.** Julkaisussa: Behaviour and Information Technology. 2015 ; Vuosikerta 34, Nro 10. Sivut 976-991.

Aramo-Immonen, Heli ; Jussila, Jari ; Huhtamäki, Jukka. / **Exploring co-learning behavior of conference participants with visual network analysis of Twitter data.** Julkaisussa: Computers in Human Behavior. 2015 ; Vuosikerta 51, Nro Part B. Sivut 1154-1162.

Luhtala, Matti ; Karvonen, Tuomo ; Pylväs, Jyrki ; Ala-Kokko, Aki ; Magica, Reina ; Takeda, Yuko ; Turunen, Markku. / **Antroposeeni - A mixed reality game.** ACADEMICMINDTREK 2015 - Proceedings of the 19th International Academic Mindtrek Conference. Association for Computing Machinery, Inc, 2015. Sivut 211-213

Nummenmaa, Timo ; Kultima, Annakaisa ; Kankainen, Ville ; Savolainen, Sampo ; Syvänen, Antti ; Alha, Kati ; Mäyrä, Frans. / **OASIS deck of cards - House of colleagues : A playful.** ACADEMICMINDTREK 2015 - Proceedings of the 19th International Academic Mindtrek Conference. Association for Computing Machinery, Inc, 2015. Sivut 2-9

Hamari, Juho ; Koivisto, Jonna. / **"Working out for likes" : An empirical study on social influence in exercise gamification.** Julkaisussa: Computers in Human Behavior. 2015 ; Vuosikerta 50. Sivut 333-347.

Nanavati, A. A. ; Rajput, N. ; Turunen, M. ; Knoche, H. ; Rehm, M. / **Mobiscool : 1<sup>st</sup> workshop on mobile, social and culturally oriented learning.** MobileHCI 2015 - Proceedings of the 17th International Conference on Human-Computer Interaction with Mobile Devices and Services Adjunct. Association for Computing Machinery, Inc, 2015. Sivut 1187-1190

Nukarinen, Tomi ; Rantala, Jussi ; Farooq, Ahmed ; Raisamo, Roope. / **Delivering directional haptic cues through eyeglasses and a seat.** IEEE World Haptics Conference, WHC 2015. Institute of Electrical and Electronics Engineers Inc., 2015. Sivut 345-350

Spakov, Oleg ; Rantala, Jussi ; Isokoski, Poika. / **Sequential and simultaneous tactile stimulation with multiple actuators on head, neck and back for gaze cuing.** IEEE World Haptics Conference, WHC 2015. Institute of Electrical and Electronics Engineers Inc., 2015. Sivut 333-338

Partala, Timo ; Saari, Timo. / **Understanding the most influential user experiences in successful and unsuccessful technology adoptions.** Julkaisussa: Computers in Human Behavior. 2015 ; Vuosikerta 53. Sivut 381-395.

Leppänen, Marko ; Hokkanen, Laura. / **Four patterns for internal startups.** Proceedings of the 20th European Conference on Pattern Languages of Programs, EuroPLoP 2015. ACM, 2015.

Hokkanen, Laura ; Leppänen, Marko. / **Three patterns for user involvement in startups.** Proceedings of the 20th European Conference on Pattern Languages of Programs, EuroPLoP 2015. ACM, 2015.

Aytekin, Caglar ; Rezaeitabar, Yousef ; Dogru, Sedat ; Ulusoy, Ilkay. / **Railway fastener inspection by real-time machine vision.** Julkaisussa: IEEE Transactions on Systems, Man, and Cybernetics: Systems. 2015 ; Vuosikerta 45, Nro 7. Sivut 1101-1107.

Rindell, Kalle ; Hyrynsalmi, Sami ; Leppänen, Ville. / **A comparison of security assurance support of agile software development methods.** Computer Systems and Technologies - 16th International Conference, CompSysTech 2015: Proceedings. Vuosikerta 1008 Association for Computing Machinery, 2015. Sivut 61-68

Akkil, Deepak ; Kangas, Jari ; Rantala, Jussi ; Isokoski, Poika ; Špakov, Oleg ; Raisamo, Roope. / **Glance awareness and gaze interaction in smartwatches**. CHI 2015 - Extended Abstracts Publication of the 33rd Annual CHI Conference on Human Factors in Computing Systems: Crossings. Vuosikerta 18 Association for Computing Machinery, 2015. Sivut 1271-1276

Andolina, Salvatore ; Klouche, Khalil ; Peltonen, Jaakko ; Hoque, Mohammad ; Ruotsalo, Tuukka ; Cabral, Diogo ; Klami, Arto ; Głowacka, Dorota ; Floréen, Patrik ; Jacucci, Giulio. / **Intentstreams : Smart parallel search streams for branching exploratory search**. IUI 2015 - Proceedings of the 20th ACM International Conference on Intelligent User Interfaces. Vuosikerta 2015-January Association for Computing Machinery, 2015. Sivut 300-305

Aflaki, Payman ; Hannuksela, Miska M. ; Gabbouj, Moncef. / **Adaptive spatial resolution selection for stereoscopic video compression with MV-HEVC : A frequency based approach**. 2014 IEEE International Symposium on Multimedia, ISM 2014, 10-12 Dec. 2014, Taichung. The Institute of Electrical and Electronics Engineers, Inc., 2015. Sivut 267-270

Cricri, Francesco ; Mate, Sujeet ; Curcio, Igor D D ; Gabbouj, Moncef. / **Salient event detection in basketball mobile videos**. Proceedings - 2014 IEEE International Symposium on Multimedia, ISM 2014. The Institute of Electrical and Electronics Engineers, Inc., 2015. Sivut 63-70

Mademlis, Ioannis ; Iosifidis, Alexandros ; Tefas, Anastasios ; Nikolaidis, Nikos ; Pitas, Ioannis. / **Stereoscopic video description for human action recognition**. 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., 2015.

Stoffregen, Julia ; Pawlowski, Jan M. ; Pirkkalainen, Henri. / **A Barrier framework for open e-learning in public administrations**. Julkaisussa: Computers in Human Behavior. 2015 ; Vuosikerta 51, Nro B. Sivut 674-684.

Väätäjä, Heli ; Heimonen, Tomi ; Tiitinen, Katariina ; Hakulinen, Jaakko ; Turunen, Markku. / **Benefits for supplier and customer with the help of logged usage data**. User Experience and Usability in Complex Systems - UXUS: FIMECC Publications Series No. 8, 2010-2015. 2015. Sivut 110-112 (FIMECC Publication series).

Väätäjä, Heli. / **Characterizing Context of Use in Mobile Work**. Proceedings of Human Work Interaction Design HWID, IFIP TC 13.6 working group. University of West London, 2015.

AbuJarour, Safa'a ; Pirkkalainen, Henri ; Pawlowski, Jan ; Bick, Markus ; Bagucanskyte, Migle ; Frankenberg, Anna ; Hudak, Raimund ; Makropoulos, Constantinos ; Pappa, Dimitra ; Pitsilis, Vassilis ; Tannhauser, Anne Christin ; Trepule, Elena ; Vidalis, Aristedes ; Volungeviciene, Airina. / **Design principles for collaboration platforms for open education**. CSEDU 2015 - 7th International Conference on Computer Supported Education, Proceedings. Vuosikerta 1 SCITEPRESS, 2015. Sivut 349-359

Sharmin, Selina ; Špakov, Oleg ; Räihä, Kari Jouko. / **Dynamic text presentation in print interpreting - An eye movement study of reading behaviour**. Julkaisussa: International Journal of Human-Computer Studies. 2015 ; Vuosikerta 78. Sivut 17-30.

Varsaluoma, Jari ; Väätäjä, Heli ; Kaasinen, Eija ; Karvonen, Hannu ; Lu, Yichen. / **Getting started with the experience design process**. User Experience and Usability in Complex Systems - UXUS: FIMECC Publications Series No. 8, 2010-2015. 2015. Sivut 125-127 (FIMECC Publication series).

Väätäjä, Heli ; Haggrén, Jaakko. / **Increasing user and customer understanding through rapid ethnography in emerging markets**. User Experience and Usability in Complex Systems - UXUS: FIMECC Publications Series No. 8, 2010-2015. 2015. Sivut 99-101 (FIMECC Publication series).

Väätäjä, Heli. / **Perceived Impacts as User Experience Components in Mobile News Making with Smartphones**. Emerging Perspectives on the Design, Use, and Evaluation of Mobile and Handheld Devices. Toimittaja / Joanna Lumsden. IGI Global, 2015. Sivut 218-238

Heinimäki, Teemu J. ; Elomaa, Tapio. / **Quality measures for improving technology trees**. Julkaisussa: International Journal of Computer Games Technology. 2015 ; Vuosikerta 2015.

Vääätäjä, Heli ; Heimonen, Tomi ; Tiitinen, Katariina ; Hakulinen, Jaakko ; Turunen, Markku. / **Supplier's Expectations on Usage Data Analytics of Complex Industrial Systems**. ISPIM Innovation Summit 2015. Toimittaja / Eelko Huizingh ; Steffen Conn ; Iain Bitran. International Society for Professional Innovation Management ISPIM, 2015.

Varsaluoma, Jari ; Vääätäjä, Heli ; Kaasinen, Eija ; Karvonen, Hannu ; Lu, Yichen. / **The Fuzzy Front End of Experience Design: Eliciting and Communicating Experience Goals**. OzCHI '15 - Proceedings of the Annual Meeting of the Australian Special Interest Group for Computer Human Interaction . ACM, 2015. Sivut 324-332

Pesonen, Emilia ; Jumisko-Pyykkö, Satu ; Vääätäjä, Heli. / **User Experience of Digital News : Two Semi-long Term Field Studies**. 14th International Conference on Mobile and Ubiquitous Multimedia (MUM 2015). ACM, 2015. Sivut 51-63

Heimonen, Tomi ; Tiitinen, Katariina ; Turunen, Markku ; Keskinen, Tuuli ; Vääätäjä, Heli ; Varsaluoma, Jari ; Jokinen, Jussi ; Nieminen, Harri. / **UX sensors - Understanding the UX of complex systems through usage analysis**. User Experience and Usability in Complex Systems - UXUS: FIMECC Publications Series No. 8, 2010-2015. 2015. Sivut 113-115 (FIMECC Publication series).

Lylykangas, Jani ; Heikkinen, Jani ; Surakka, Veikko ; Raisamo, Roope ; Myllymaa, Kalle ; Laitinen, Arvo. / **Vibrotactile Stimulation as an Instructor for Mimicry-Based Physical Exercise**. Julkaisussa: Advances in Human Computer Interaction. 2015.

Iosifidis, Alexandros ; Tefas, Anastasios ; Pitas, Ioannis. / **Class-Specific Reference Discriminant Analysis With Application in Human Behavior Analysis**. Julkaisussa: IEEE Transactions on Human-Machine Systems. 2014 ; Vuosikerta 45, Nro 3. Sivut 315-326.

Keskinen, Tuuli ; Hakulinen, Jaakko ; Turunen, Markku ; Heimonen, Tomi ; Sand, Antti ; Paavilainen, Janne ; Parviainen, Jaana ; Yrjänäinen, Sari ; Mäyrä, Frans ; Okkonen, Jussi ; Raisamo, Roope. / **Schoolchildren's user experiences on a physical exercise game utilizing lighting and audio**. Julkaisussa: Entertainment Computing. 2014 ; Vuosikerta 5, Nro 4. Sivut 475-484.

Koski, K. ; Ukkonen, L. ; Sydanheimo, L. ; Rahmat-Samii, Y. / **Embroidered ground plane implementation for wearable UHF RFID patch tag antennas**. 2014 USNC-URSI Radio Science Meeting (Joint with AP-S Symposium), USNC-URSI 2014 - Proceedings. Institute of Electrical and Electronics Engineers Inc., 2014. Sivut 274

Kultima, Annakaisa ; Nummenmaa, Timo ; Tyni, Heikki ; Alha, Kati ; Mayra, Frans. / **Goofy Mus, grumpy Mur and dirty Muf : Talking playful seats with personalities**. ACE 2014 - 11th Advances in Computer Entertainment Technology Conference, Workshops Proceedings. Vuosikerta 11-14-November-2014 Association for Computing Machinery, 2014.

Mäkelä, Ville ; Heimonen, Tomi ; Luhtala, Matti ; Turunen, Markku. / **Information wall : Evaluation of a gesture-controlled public display**. ACE 2014 - 11th Advances in Computer Entertainment Technology Conference, Proceedings. Vuosikerta 2014-November Association for Computing Machinery, 2014. Sivut 228-231

Sharma, Sumita ; Srivastava, Saurabh ; Sorathia, Keyur ; Hakulinen, Jaakko ; Heimonen, Tomi ; Turunen, Markku ; Rajput, Nitendra. / **Body-touching : An embodied interaction technique for health information systems in developing regions**. MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc, 2014. Sivut 49-56

Luhtala, Matti ; Heimonen, Tomi ; Mäkelä, Ville ; Keskinen, Tuuli ; Turunen, Markku ; Saarinen, Santeri. / **DYNAMO sound engine - Exploring the aesthetics of dynamic sound interactions**. MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc, 2014. Sivut 159-166

Franssila, Heljä ; Okkonen, Jussi ; Savolainen, Reijo. / **Email intensity, productivity and control in the knowledge worker's performance on the desktop**. MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc, 2014. Sivut 19-22

Salmela, Jussi Matti ; Thanisch, Peter ; Sotamaa, Olli ; Niemi, Tapio. / **Games and energy : Profiling power usage during play**. MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc, 2014. Sivut 192-199

Nummenmaa, Timo ; Kultima, Annakaisa ; Tyni, Heikki ; Alha, Kati. / **MurMur Moderators, the talking playful seats**. MINDTREK 2014 - Proceedings of the 18th International Academic MindTrek Conference: "Media Business, Management, Content and Services". Association for Computing Machinery, Inc, 2014. Sivut 231-237

Nukarinen, Tomi ; Raisamo, Roope ; Farooq, Ahmed ; Evreinov, Grigori ; Surakka, Veikko. / **Effects of directional haptic and non-speech audio cues in a cognitively demanding navigation task**. Proceedings of the NordiCHI 2014: The 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational. Association for Computing Machinery, Inc, 2014. Sivut 61-64

Käki, Karoliina ; Špakov, Oleg ; Majaranta, Päivi ; Kangas, Jari. / **Effects of haptic feedback on gaze based auto scrolling**. Proceedings of the NordiCHI 2014: The 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational. Association for Computing Machinery, Inc, 2014. Sivut 947-950

Räihä, Kari Jouko ; Sharmin, Selina. / **Gaze-contingent scrolling and reading patterns**. Proceedings of the NordiCHI 2014: The 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational. Association for Computing Machinery, Inc, 2014. Sivut 65-68

Pirhonen, Antti ; Parviainen, Jaana ; Tuuri, Kai ; Turunen, Markku ; Heimonen, Tomi. / **Human-technology choreographies : Re-thinking body, movement and space in interaction design**. Proceedings of the NordiCHI 2014: The 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational. Association for Computing Machinery, Inc, 2014. Sivut 841-844

Övermark, Reetta ; Isokoski, Poika ; Ovaska, Salla. / **Seniors and text messaging on mobile touchscreen phones**. Proceedings of the NordiCHI 2014: The 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational. Association for Computing Machinery, Inc, 2014. Sivut 967-970

Kaasinen, Eija ; Väättäjä, Heli ; Karvonen, Hannu ; Lu, Yichen. / **The fuzzy front end of experience design**. Proceedings of the NordiCHI 2014: The 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational. New York, NY : ACM, 2014. Sivut 797-800 (Nordic conference on human-computer interaction).

Kangas, Jari ; Akkil, Deepak ; Rantala, Jussi ; Isokoski, Poika ; Majaranta, Päivi ; Raisamo, Roope. / **Using gaze gestures with haptic feedback on glasses**. Proceedings of the NordiCHI 2014: The 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational. Association for Computing Machinery, Inc, 2014. Sivut 1047-1050

Raitoharju, J. ; Zhang, H. ; Ozan, E. C. ; Waris, M. A. ; Faisal, M. ; Cao, G. ; Roininen, M. ; Ahmad, I. ; Shetty, R. ; Uhlmann, S. ; Samiee, K. ; Kiranyaz, S. ; Gabbouj, M. / **Tut MUVIS image retrieval system proposal for MSR-Bing challenge 2014**. IEEE International Conference on Multimedia and Expo, ICME 2014, Chengdu, China, July 14-18, 2014. Piscataway : Institute of Electrical and Electronics Engineers IEEE, 2014. Sivut 1-6

Eloranta, Veli-Pekka. / **Patterns for controlling chaos in a startup**. VikingPLoP 2014 Proceedings of the 8th Nordic Conference on Pattern Languages of Programs. Vuosikerta 2014-April Association for Computing Machinery, 2014. Sivut 1-8 (ACM International Conference Proceeding Series).

Leppänen, Marko. / **Two patterns for minimizing human resources in a startup**. VikingPLoP 2014 Proceedings of the 8th Nordic Conference on Pattern Languages of Programs (VikingPLoP) . ACM, 2014.

Pirkkalainen, Henri ; Pawlowski, Jan M. / **Global social knowledge management - Understanding barriers for global workers utilizing social software**. Julkaisussa: Computers in Human Behavior. 2014 ; Vuosikerta 30. Sivut 637-647.

Siirtola, Harri. / **Bars, pies, doughnuts & tables - Visualization of proportions**. Proceedings of the 28th International BCS Human Computer Interaction Conference: Sand, Sea and Sky - Holiday HCI, HCI 2014. BCS Learning and Development Ltd., 2014. Sivut 241-245

Kekäläinen, Jaana ; Arvola, Paavo ; Kumpulainen, Sanna. / **Browsing patterns in retrieved documents**. Proceedings of the 5th Information Interaction in Context Symposium, IliX 2014. Association for Computing Machinery, 2014. Sivut 299-302

Mouaffo, Adrien ; Taibi, Davide ; Jamboti, Kavyashree. / **Controlled experiments comparing fault-tree-based safety analysis techniques**. 18th International Conference on Evaluation and Assessment in Software Engineering, EASE 2014. Association for Computing Machinery (ACM), 2014.

Koivisto, Jonna ; Hamari, Juho. / **Demographic differences in perceived benefits from gamification**. Julkaisussa: Computers in Human Behavior. 2014 ; Vuosikerta 35. Sivut 179-188.

Kangas, Jari ; Akkil, Deepak ; Rantala, Jussi ; Isokoski, Poika ; Majaranta, Päivi ; Raisamo, Roope. / **Gaze gestures and haptic feedback in mobile devices**. CHI 2014: One of a CHIInd - Conference Proceedings, 32nd Annual ACM Conference on Human Factors in Computing Systems. Association for Computing Machinery, 2014. Sivut 435-438

Rantala, Jussi ; Isokoski, Poika ; Kangas, Jari ; Raisamo, Roope ; Akkil, Deepak. / **Glasses with haptic feedback of gaze gestures**. CHI EA 2014: One of a ChiNd - Extended Abstracts, 32nd Annual ACM Conference on Human Factors in Computing Systems. Association for Computing Machinery, 2014. Sivut 1597-1602

Kangas, Jari ; Rantala, Jussi ; Majaranta, Päivi ; Isokoski, Poika ; Raisamo, Roope. / **Haptic feedback to gaze events**. Proceedings of the Symposium on Eye Tracking Research and Applications, ETRA 2014. Association for Computing Machinery, 2014. Sivut 11-18

Ilves, Mirja ; Gizatdinova, Yulia ; Surakka, Veikko ; Vankka, Esko. / **Head movement and facial expressions as game input**. Julkaisussa: Entertainment Computing. 2014 ; Vuosikerta 5, Nro 3. Sivut 147-156.

Ruotsalo, Tuukka ; Peltonen, Jaakko ; Eugster, Manuel J A ; Glowacka, Dorota ; Reijonen, Aki ; Jacucci, Giulio ; Myllymäki, Petri ; Kaski, Samuel. / **IntentRadar : Search user interface that anticipates user's search intents**. CHI EA 2014: One of a ChiNd - Extended Abstracts, 32nd Annual ACM Conference on Human Factors in Computing Systems. Association for Computing Machinery, 2014. Sivut 455-458

Olsson, Thomas. / **Layers of user expectations of future technologies : An early framework**. CHI EA 2014: One of a ChiNd - Extended Abstracts, 32nd Annual ACM Conference on Human Factors in Computing Systems. Association for Computing Machinery, 2014. Sivut 1957-1962

Špakov, Oleg ; Isokoski, Poika ; Majaranta, Päivi. / **Look and lean : Accurate head-assisted eye pointing**. Proceedings of the Symposium on Eye Tracking Research and Applications, ETRA 2014. Association for Computing Machinery, 2014. Sivut 35-42

Hamari, Juho ; Koivisto, Jonna. / **Measuring flow in gamification : Dispositional Flow Scale-2**. Julkaisussa: Computers in Human Behavior. 2014 ; Vuosikerta 40. Sivut 133-143.

Jarusriboonchai, Pradthana ; Olsson, Thomas ; Ojala, Jarno ; Väänänen-Vainio-Mattila, Kaisa. / **Opportunities and Challenges of Mobile Applications as "Tickets-to-Talk": A Scenario-Based User Study**. Proceedings of the 13th International Conference on Mobile and Ubiquitous Multimedia, MUM2014, November 25-28, 2014, Melbourne, Australia. New York, NY : ACM, 2014. Sivut 89-97 (International conference on mobile and ubiquitous multimedia).

Rantala, Jussi ; Raisamo, Roope. / **Preferences for touch gestures in audio-tactile communication**. IEEE Haptics Symposium 2014, HAPTICS 2014 - Proceedings. IEEE COMPUTER SOCIETY PRESS, 2014. Sivut 247-250

Špakov, Oleg ; Gizatdinova, Yulia. / **Real-time hidden gaze point correction**. Proceedings of the Symposium on Eye Tracking Research and Applications, ETRA 2014. Association for Computing Machinery, 2014. Sivut 291-294

Clawson, James ; Isokoski, Poika ; Brewster, Stephen ; Oulasvirta, Antti ; Dunlop, Mark ; Vertanen, Keith ; Kristensson, Per Ola ; Waller, Annalu. / **The usability of text entry systems now and in the future**. CHI EA 2014: One of a ChiNd - Extended Abstracts, 32nd Annual ACM Conference on Human Factors in Computing Systems. Association for Computing Machinery, 2014. Sivut 1139-1142

Oulasvirta, Antti ; Suomalainen, Tiia ; Hamari, Juho ; Lampinen, Airi ; Karvonen, Kristiina. / **Transparency of intentions decreases privacy concerns in ubiquitous surveillance**. Julkaisussa: CYBERPSYCHOLOGY BEHAVIOR AND SOCIAL NETWORKING. 2014 ; Vuosikerta 17, Nro 10.

Akkil, Deepak ; Isokoski, Poika ; Kangas, Jari ; Rantala, Jussi ; Raisamo, Roope. / **TraQuMe : A tool for measuring the gaze tracking quality**. Proceedings of the Symposium on Eye Tracking Research and Applications, ETRA 2014. Association for Computing Machinery, 2014. Sivut 327-330

Raisamo, Jukka ; Raisamo, Roope ; Surakka, V. / **Comparison of Saltation, Amplitude Modulation, and a Hybrid Method of Vibrotactile Stimulation**. Julkaisussa: IEEE Transactions on Haptics. 2013 ; Vuosikerta 6, Nro 4. Sivut 517-521.

Evreinova, Tatiana V. ; Evreinov, Grigori ; Raisamo, Roope. / **An evaluation of the virtual curvature with the StickGrip haptic device : A case study**. Julkaisussa: Universal Access in the Information Society. 2013 ; Vuosikerta 12, Nro 2. Sivut 161-173.

Ilves, Mirja ; Surakka, Veikko. / **Subjective responses to synthesised speech with lexical emotional content : The effect of the naturalness of the synthetic voice**. Julkaisussa: Behaviour and Information Technology. 2013 ; Vuosikerta 32, Nro 2. Sivut 117-131.

Luhtala, Matti ; Turunen, Markku ; Hakulinen, Jaakko ; Keskinen, Tuuli. / **'Aie-studio' - A pragmatist aesthetic approach for procedural sound design**. Proceedings of the 8th Audio Mostly: A Conference on Interaction with Sound, AM 2013 - In Cooperation with ACM SIGCHI. Association for Computing Machinery, 2013.

Kallioniemi, Pekka ; Hakulinen, Jaakko ; Keskinen, Tuuli ; Turunen, Markku ; Heimonen, Tomi ; Pihkala-Posti, Laura ; Uusi-Mäkelä, Mikael ; Hietala, Pentti ; Okkonen, Jussi ; Raisamo, Roope. / **Evaluating landmark attraction model in collaborative wayfinding in virtual learning environments**. Proceedings of the 12th International Conference on Mobile and Ubiquitous Multimedia, MUM 2013. 2013.

Keskinen, Tuuli ; Hakulinen, Jaakko ; Heimonen, Tomi ; Turunen, Markku ; Sharma, Sumita ; Miettinen, Toni ; Luhtala, Matti. / **Evaluating the experiential user experience of public display applications in the wild**. Proceedings of the 12th International Conference on Mobile and Ubiquitous Multimedia, MUM 2013. 2013.

Cui, Yanqing ; Kangas, Jari ; Holm, Jukka ; Grassel, Guido. / **Front-camera video recordings as emotion responses to mobile photos shared within close-knit groups**. CHI 2013: Changing Perspectives, Conference Proceedings - The 31st Annual CHI Conference on Human Factors in Computing Systems. 2013. Sivut 981-990

Fucella, Vittorio ; Isokoski, Poika ; Martin, Benoît. / **Gestures and widgets : Performance in text editing on multi-touch capable mobile devices**. CHI 2013: Changing Perspectives, Conference Proceedings - The 31st Annual CHI Conference on Human Factors in Computing Systems. 2013. Sivut 2785-2794

Ihantola, Petri ; Helminen, Juha ; Karavirta, Ville. / **How to study programming on mobile touch devices - Interactive Python code exercises**. Proceedings - 13th Koli Calling International Conference on Computing Education Research, Koli Calling 2013. 2013. Sivut 51-58

Heikkilä, R. ; Malaska, M. ; Törmänen, P. ; Keyack, Chris. / **Integration of BIM and automation in high-rise building construction**. ISARC 2013 - 30th International Symposium on Automation and Robotics in Construction and Mining, Held in Conjunction with the 23rd World Mining Congress. 2013. Sivut 1171-1176

Sand, Antti ; Rakkolainen, Ismo. / **Mixed reality with multimodal head-mounted pico projector**. Proceedings of the Virtual Reality International Conference on Laval Virtual, VRIC 2013. 2013.

Keskinen, Tuuli ; Melto, Alekski ; Hakulinen, Jaakko ; Turunen, Markku ; Saarinen, Santeri ; Pallos, Tamás ; Kallioniemi, Pekka ; Danielsson-Ojala, Riitta ; Salanterä, Sanna. / **Mobile dictation for healthcare professionals**. Proceedings of the 12th International Conference on Mobile and Ubiquitous Multimedia, MUM 2013. 2013.

Peltonen, Jaakko ; Lin, Ziyuan. / **Multiplicative update for fast optimization of information retrieval based neighbor embedding**. 2013 IEEE International Workshop on Machine Learning for Signal Processing - Proceedings of MLSP 2013. 2013.

Sharmin, Selina ; Špakov, Oleg ; Rähä, Kari Jouko. / **Reading on-screen text with gaze-based auto-scrolling**. Proceedings of the 2013 Conference on Eye Tracking South Africa, ETSA 2013. 2013. Sivut 24-31

Helminen, Juha ; Ihantola, Petri ; Karavirta, Ville. / **Recording and analyzing in-browser programming sessions**. Proceedings - 13th Koli Calling International Conference on Computing Education Research, Koli Calling 2013. 2013. Sivut 13-22

Yang, Zhirong ; Peltonen, Jaakko ; Kaski, Samuel. / **Scalable optimization of neighbor embedding for visualization**. 30th International Conference on Machine Learning, ICML 2013. PART 1. toim. International Machine Learning Society (IMLS), 2013. Sivut 786-794

Heimonen, Tomi ; Turunen, Markku ; Kangas, Sanna ; Pallos, Tamás ; Pekkala, Pasi ; Saarinen, Santeri ; Tiitinen, Katariina ; Keskinen, Tuuli ; Luhtala, Matti ; Koskinen, Olli ; Okkonen, Jussi ; Raisamo, Roope. / **Seek'N'Share : A platform for location-based collaborative mobile learning**. Proceedings of the 12th International Conference on Mobile and Ubiquitous Multimedia, MUM 2013. 2013.

Nanavati, Amit A. ; Rajput, Nitendra ; Srivastava, Saurabh ; Erkut, Cumhur ; Jylhä, Antti ; Rudnicky, Alexander I. ; Serafin, Stefania ; Turunen, Markku. / **SiMPE : 8th workshop on speech and sound in mobile and pervasive environments**. MobileHCI 2013 - Proceedings of the 15th International Conference on Human-Computer Interaction with Mobile Devices and Services. 2013. Sivut 626-629

Hamilton, Eric ; Multisilta, Jari. / **The innovations in learning and education SAVI**. Computer-Supported Collaborative Learning Conference, CSCL. Vuosikerta 2 2013. Sivut 511-512

Rantala, Jussi ; Salminen, Katri ; Raisamo, Roope ; Surakka, Veikko. / **Touch gestures in communicating emotional intention via vibrotactile stimulation**. Julkaisussa: International Journal of Human-Computer Studies. 2013 ; Vuosikerta 71, Nro 6. Sivut 679-690.

Evreinova, Tatiana V. ; Evreinov, Grigori ; Raisamo, Roope. / **Virtual sectioning and haptic exploration of volumetric shapes in the absence of visual feedback**. Julkaisussa: Advances in Human Computer Interaction. 2013 ; Vuosikerta 2013.

Scheibel, Jean Baptiste ; Pierson, Cyril ; Martin, Benoît ; Godard, Nathan ; Fucella, Vittorio ; Isokoski, Poika. / **Virtual stick in caret positioning on touch screens**. IHM 2013 - Actes de la 25ieme Conference Francophone sur l'Interaction Homme-Machine. 2013. Sivut 107-114

Godard, Nathan ; Pecci, Isabelle ; Isokoski, Poika. / **WeSlide : Gestural text entry for elderly users of interactive television**. Proceedings of the 11th European Conference on Interactive TV and Video, EuroITV 2013. 2013. Sivut 55-58



Keskinen, Tuuli ; Heimonen, Tomi ; Turunen, Markku ; Rajaniemi, Juha Pekka ; Kauppinen, Sami. / **SymbolChat : A flexible picture-based communication platform for users with intellectual disabilities**. Julkaisussa: Interacting with Computers. 2012 ; Vuosikerta 24, Nro 5. Sivut 374-386.

Kumpulainen, Sanna ; Järvelin, Kalervo. / **Barriers to task-based information access in molecular medicine**. Julkaisussa: JOURNAL OF THE ASSOCIATION FOR INFORMATION SCIENCE AND TECHNOLOGY. 2012 ; Vuosikerta 63, Nro 1. Sivut 86-97.

Räihä, Kari Jouko ; Ovaska, Saila. / **An exploratory study of eye typing fundamentals : Dwell time, text entry rate, errors, and workload**. Conference Proceedings - The 30th ACM Conference on Human Factors in Computing Systems, CHI 2012. 2012. Sivut 3001-3010

Väätäjä, Heli ; Egglestone, Paul. / **Briefing news reporting with mobile assignments - Perceptions, needs and challenges**. Proceedings of the ACM 2012 conference on Computer Supported Cooperative Work CSCW'12 Seattle, WA, USA, February 11-15, 2012. New York, NY : ACM, 2012. Sivut 485-494 (ACM Conference on Computer Supported Cooperative Work).

Špakov, Oleg. / **Comparison of eye movement filters used in HCI**. Proceedings - ETRA 2012: Eye Tracking Research and Applications Symposium. 2012. Sivut 281-284

Gizatdinova, Yulia ; Špakov, Oleg ; Surakka, Veikko. / **Comparison of video-based pointing and selection techniques for hands-free text entry**. Proceedings of the Working Conference on Advanced Visual Interfaces, AVI 2012. 2012. Sivut 132-139

Martin, Benoît ; Isokoski, Poika ; Karmann, Gregory ; Rollinger, Thomas. / **Continuous Edgewise : Dictionary-based disambiguation instead of explicit segmentation by the user**. Proceedings of the Working Conference on Advanced Visual Interfaces, AVI 2012. 2012. Sivut 357-364

Kristensson, Per Ola ; Clawson, James ; Dunlop, Mark ; Isokoski, Poika ; Roark, Brian ; Vertanen, Keith ; Waller, Annalu ; Wobbrock, Jacob. / **Designing and evaluating text entry methods**. Extended Abstracts - The 30th ACM Conference on Human Factors in Computing Systems, CHI 2012. 2012. Sivut 2747-2750

Peltonen, Jaakko ; Georgatzis, Konstantinos. / **Efficient optimization for data visualization as an information retrieval task**. 2012 IEEE International Workshop on Machine Learning for Signal Processing - Proceedings of MLSP 2012. 2012.

Hyrskykari, Aulikki ; Istance, Howell ; Vickers, Stephen. / **Gaze gestures or dwell-based interaction?**. Proceedings - ETRA 2012: Eye Tracking Research and Applications Symposium. 2012. Sivut 229-232

Evreinova, Tatiana V. ; Evreinov, Grigori ; Raisamo, Roope. / **Haptic visualization of bathymetric data**. Haptics Symposium 2012, HAPTICS 2012 - Proceedings. 2012. Sivut 359-364

Ilves, Mirja ; Surakka, Veikko. / **Heart rate responses to synthesized affective spoken words**. Julkaisussa: Advances in Human Computer Interaction. 2012 ; Vuosikerta 2012.

Väätäjä, Heli ; Vainio, Teija ; Sirkkunen, Esa. / **Location-based crowdsourcing of hyperlocal news - Dimensions of participation preferences**. Proceedings of the 17th ACM international conference on Supporting group work, GROUP '12, October 28-31, 2012, Sanibel Island, FL, USA. New York, NY : ACM, 2012. Sivut 85-94 (ACM International Conference on Supporting Group Work).

Kallioniemi, Pekka ; Turunen, Markku. / **Model for landmark highlighting in mobile web services**. Proceedings of the 11th International Conference on Mobile and Ubiquitous Multimedia, MUM 2012. 2012.

- Alam, Md Hijbul ; Ha, Jong Woo ; Lee, Sang Keun. / **Novel approaches to crawling important pages early**. Julkaisussa: Knowledge and Information Systems. 2012 ; Vuosikerta 33, Nro 3. Sivut 707-734.
- Nanavati, Amit Anil ; Rajput, Nitendra ; Rudnicky, Alexandar I. ; Turunen, Markku ; Sandholm, Thomas ; Munteanu, Cosmin ; Penn, Gerald. / **SIMPE : 7th Workshop on speech and sound in mobile and pervasive environments**. MobileHCI'12 - Companion Proceedings of the 14th International Conference on Human Computer Interaction with Mobile Devices and Services. 2012. Sivut 251-253
- Heikkilä, Henna ; Rähkä, Kari Jouko. / **Simple gaze gestures and the closure of the eyes as an interaction technique**. Proceedings - ETRA 2012: Eye Tracking Research and Applications Symposium. 2012. Sivut 147-154
- Salminen, Katri ; Surakka, Veikko ; Lylykangas, Jani ; Rantala, Jussi ; Ahmaniemi, Teemu ; Raisamo, Roope ; Trendafilov, Dari ; Kildal, Johan. / **Tactile modulation of emotional speech samples**. Julkaisussa: Advances in Human Computer Interaction. 2012 ; Vuosikerta 2012.
- Istance, Howell ; Vickers, Stephen ; Hyrskykari, Aulikki. / **The validity of using non-representative users in gaze communication research**. Proceedings - ETRA 2012: Eye Tracking Research and Applications Symposium. 2012. Sivut 233-236
- Halonen, Aki ; Hyrynsalmi, Sami ; Kimppa, Kai K. ; Knuutila, Timo ; Smed, Jouni ; Hakonen, Harri. / **Towards usability heuristics for games utilizing speech recognition**. 4th Asian Conference on Intelligent Games and Simulation, GAME-ON ASIA 2012 - 4th Asian Simulation Technology Conference, ASTEC 2012. EUROSIS, 2012. Sivut 51-55
- Evreinova, Tatiana V. ; Evreinov, Grigori ; Raisamo, Roope. / **Integrating discrete events and continuous head movements for video-based interaction techniques**. Julkaisussa: Behaviour and Information Technology. 2011 ; Vuosikerta 30, Nro 6. Sivut 739-746.
- Smith, Cameron ; Crook, Nigel ; Dobnik, Simon ; Charlton, Daniel ; Boye, Johan ; Pulman, Stephen ; Santos de la Camara, Raul ; Turunen, Markku ; Benyon, David ; Bradley, Jay ; Gambäck, Björn ; Hansen, Preben ; Mival, Oli ; Webb, Nick ; Cavazza, Marc. / **Interaction strategies for an affective conversational agent**. Julkaisussa: Presence: Teleoperators and Virtual Environments. 2011 ; Vuosikerta 20, Nro 5. Sivut 395-411.
- Kallio, Kirsi Pauliina ; Mäyrä, Frans ; Kaipainen, Kirsikka. / **At least nine ways to play : Approaching gamer mentalities**. Julkaisussa: GAMES AND CULTURE: A JOURNAL OF INTERACTIVE MEDIA. 2011 ; Vuosikerta 6, Nro 4. Sivut 327-353.
- Turunen, Markku ; Hakulinen, Jaakko ; Ståhl, Olov ; Gambäck, Björn ; Hansen, Preben ; Rodríguez Gancedo, Mari C. ; De La Cámara, Raúl Santos ; Smith, Cameron ; Charlton, Daniel ; Cavazza, Marc. / **Multimodal and mobile conversational Health and Fitness Companions**. Julkaisussa: Computer Speech and Language. 2011 ; Vuosikerta 25, Nro 2. Sivut 192-209.
- Wilks, Yorick ; Catizone, Roberta ; Worgan, Simon ; Turunen, Markku. / **Some background on dialogue management and conversational speech for dialogue systems**. Julkaisussa: Computer Speech and Language. 2011 ; Vuosikerta 25, Nro 2. Sivut 128-139.
- Špakov, Oleg. / **Comparison of gaze-to-objects mapping algorithms**. Proceedings of the 1st Conference on Novel Gaze-Controlled Applications, NGCA'11. 2011.
- Lylykangas, Jani ; Surakka, Veikko ; Salminen, Katri ; Raisamo, Jukka ; Laitinen, Pauli ; Rönning, Kasper ; Raisamo, Roope. / **Designing tactile feedback for piezo buttons**. CHI 2011 - 29th Annual CHI Conference on Human Factors in Computing Systems, Conference Proceedings and Extended Abstracts. 2011. Sivut 3281-3284
- Gizatdinova, Yulia ; Surakka, Veikko ; Zhao, Guoying ; Mäkinen, Erno ; Raisamo, Roope. / **Facial expression classification based on local spatiotemporal edge and texture descriptors**. Selected Papers from the Proceedings of the 7th International Conference on Methods and Techniques in Behavioral Research - Digital Edition, MB'10. 2011.

Hamari, Juho ; Eranti, Veikko. / **Framework for designing and evaluating game achievements**. Proceedings of DiGRA 2011 Conference: Think Design Play. 2011.

Evreinova, Tatiana V. ; Evreinov, Grigori ; Raisamo, Roope. / **Interpretation of ambiguous images inspected by the StickGrip device**. Proceedings of the IADIS International Conference Interfaces and Human Computer Interaction 2011, Part of the IADIS Multi Conference on Computer Science and Information Systems 2011, MCCSIS 2011. 2011. Sivut 209-216

Turunen, Markku ; Hella, Juho ; Miettinen, Toni ; Valkama, Pellervo ; Hakulinen, Jaakko ; Raisamo, Roope. / **Multimodal multi-device program guide for smart conferences**. Mobile HCI 2011 - 13th International Conference on Human-Computer Interaction with Mobile Devices and Services. 2011. Sivut 679-682

Stenros, Jaakko ; Holopainen, Jussi ; Waern, Annika ; Montola, Markus ; Ollila, Elina. / **Narrative friction in Alternate Reality Games : Design insights from conspiracy for good**. Proceedings of DiGRA 2011 Conference: Think Design Play. 2011.

Toivonen, Saara ; Sotamaa, Olli. / **Of discs, boxes and cartridges : The material life of digital games**. Proceedings of DiGRA 2011 Conference: Think Design Play. 2011.

Quinn, Philip ; Cockburn, Andy ; Rähkä, Kari Jouko ; Delamarche, Jérôme. / **On the costs of multiple trajectory pointing methods**. CHI 2011 - 29th Annual CHI Conference on Human Factors in Computing Systems, Conference Proceedings and Extended Abstracts. 2011. Sivut 859-862

Rantala, Jussi ; Myllymaa, Kalle ; Raisamo, Roope ; Lylykangas, Jani ; Surakka, Veikko ; Shull, Pete ; Cutkosky, Mark. / **Presenting spatial tactile messages with a hand-held device**. 2011 IEEE World Haptics Conference, WHC 2011. 2011. Sivut 101-106

Hakonen, Harri ; Hyrynsalmi, Sami ; Järvi, Antero. / **Reducing the number of unit tests with design by contract**. Computer Systems and Technologies - 12th International Conference, CompSysTech'11 - Proceedings. Vuosikerta 578 2011. Sivut 161-166

Nanavati, A. A. ; Rajput, N. ; Rudnicky, A. I. ; Turunen, M. ; Kun, A. I. ; Paek, T. ; Tashev, I. / **SIMPE : 6th Workshop on Speech in Mobile and Pervasive Environments**. Mobile HCI 2011 - 13th International Conference on Human-Computer Interaction with Mobile Devices and Services. 2011. Sivut 733-735

Holopainen, Jussi ; Lucero, Andrés ; Saarenpää, Hannamari ; Nummenmaa, Timo ; Ali, Abdallah El ; Jokela, Tero. / **Social and privacy aspects of a system for collaborative public expression**. Proceedings of the 8th International Conference on Advances in Computer Entertainment Technology, ACE 2011. 2011.

Hoggan, Eve ; Trendafilov, Dari ; Ahmaniemi, Teemu ; Raisamo, Roope. / **Squeeze vs. tilt : A comparative study using continuous tactile feedback**. CHI EA 2011 - 29th Annual CHI Conference on Human Factors in Computing Systems, Conference Proceedings and Extended Abstracts. 2011. Sivut 1309-1314

Stenros, Jaakko ; Montola, Markus. / **The making of Nordic larp : Documenting a tradition of ephemeral co-creative play**. Proceedings of DiGRA 2011 Conference: Think Design Play. 2011.

Brewster, Stephen ; Jones, Matt ; Murray-Smith, Roderick ; Nanavati, A. A. ; Rajput, N. ; Schmidt, Albrecht ; Turunen, M. / **We need to talk : Rediscovering audio for universal access (A panel)**. Mobile HCI 2011 - 13th International Conference on Human-Computer Interaction with Mobile Devices and Services. 2011. Sivut 715-716

Oftadeh, Reza ; Aref, Mohammad M. ; Taghirad, Hamid D. / **Explicit dynamics formulation of Stewart-Gough platform : A Newton-Euler approach**. IEEE/RSJ 2010 International Conference on Intelligent Robots and Systems, IROS 2010 - Conference Proceedings. 2010. Sivut 2772-2777

Oftadeh, Reza ; Aref, Mohammad M. ; Taghirad, Hamid D. / **Forward kinematic analysis of a planar cable driven redundant parallel manipulator using force sensors**. IEEE/RSJ 2010 International Conference on Intelligent Robots and Systems, IROS 2010 - Conference Proceedings. 2010. Sivut 2295-2300

Kumpulainen, Sanna ; Järvelin, Kalervo. / **Information interaction in molecular medicine : Integrated use of multiple channels**. IliX 2010 - Proceedings of the 2010 Information Interaction in Context Symposium. 2010. Sivut 95-104

Acimovic, Jugoslava. / **Neural networks, cell cultures and some older work on data analysis**. Julkaisun esittämisaika: Okinawa Computational Neuroscience Course 2009, Japani.

Jokela, Tero ; Vääätäjä, Heli ; Koponen, Tiina. / **Mobile Journalist Toolkit : A field study on producing news articles with a mobile device**. MindTrek 2009 - 13th International Academic MindTrek Conference: Everyday Life in the Ubiquitous Era. 2009. Sivut 45-52

Byrne, Daragh ; Doherty, Aiden R. ; Jones, Gareth J F ; Smeaton, Alan F. ; Kumpulainen, Sanna ; Järvelin, Kalervo. / **The SenseCam as a tool for task observation**. Proceedings of the 22nd British HCI Group Annual Conference on People and Computers: Culture, Creativity, Interaction, BCS HCI 2008. Vuosikerta 2 BRITISH COMPUTER SOCIETY, 2008. Sivut 19-22

Mamykina, Lena ; Bardram, Jakob E. ; Korhonen, Ilkka ; Mynatt, Elizabeth ; Pratt, Wanda. / **HCI and homecare : Connecting families and clinicians**. Conference on Human Factors in Computing Systems - Proceedings. 2004. Sivut 1715-1716