Venesvirta, Hanna; Špakov, Oleg; Gizatdinova, Yulia; Tuisku, Outi; Rantanen, Ville; Verho, Jarmo; Vetek, Akos; Lekkala, Jukka; Surakka, Veikko / *Smile to save it: facial expressions for lifelogging.*
Research output: Scientific - peer-review › Conference contribution

Viitanen, Timo; Koskela, Matias; Jääskeläinen, Pekka; Kultala, Heikki; Takala, Jarmo / *MergeTree: A Fast Hardware HLBVH Constructor for Animated Ray Tracing.*
Research output: Scientific - peer-review › Article

Järvinen, Hannu-Matti / *Ethics as a skill of software engineer?*
Research output: Scientific - peer-review › Conference contribution

Luoto, Antti / *Towards Framework for Choosing 360-degree Video SDK.*
Research output: Scientific - peer-review › Conference contribution

Viitanen, Timo; Koskela, Matias; Jääskeläinen, Pekka; Immonen, Kalle; Takala, Jarmo / *Fast Hardware Construction and Refitting of Quantized Bounding Volume Hierarchies.*
Research output: Scientific - peer-review › Article

Jantunen, Erkki; Karaila, Mika; Hästbacka, David; Koistinen, Antti; Barna, Laurentiu; Juuso, Esko; Puñal Pereira, Pablo; Besseau, Stéphane; Hoepffner, Julien / *Application system design - maintenance.*
Research output: Scientific - peer-review › Chapter

Koivisto, Jaana-Maija; Niemi, Hannele; Multisilta, Jari ; Eriksson, Elina / *Nursing students' experiential learning processes using an online 3D simulation game.*
Research output: Scientific - peer-review › Article

Linna, Petri / *Yhteiskunnan arvomaailman muutos teknologian ja datan näkökulmasta.*
Research output: Professional › Conference contribution

Systä, Kari; Vuori, Matti; Järvinen, Hannu-Matti; Ahtee, Tero; Sten, Harri / *Project types and industrial collaboration in project-based learning.*
Research output: Scientific - peer-review › Conference contribution

Muzaffar, Ahmad ; Saari, Mika; Sillberg, Pekka ; Rantanen, Petri ; Soini, Jari ; Kudora, Tadahiro / *Low-energy algorithm for self-controlled wireless sensor nodes.*
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution
Schneegass, Stefan; Olsson, Thomas; Mayer, Sven; van Laerhoven, Kristof / Mobile Interactions Augmented by Wearable Computing: a Design Space and Vision.
Research output: Scientific - peer-review › Article

Oksa, Petri; Loula, Pekka / Private cloud deployment model in open-source mobile robots ecosystem.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Puonti, Mikko; Lehtonen, Timo; Luoto, Antti; Aaltonen, Timo; Aho, Timo / Towards Agile Enterprise Data Warehousing.
Research output: Scientific - peer-review › Conference contribution

Research output: Collection of articles › Doctoral Thesis

Vihervaara, Juha; Loula, Pekka / Dual-Mode Congestion Control Mechanism for Video Service.
Research output: Scientific - peer-review › Conference contribution

Rintala, Matti; Valmari, Antti / Priority Queue Classes with Priority Update.
Research output: Scientific - peer-review › Conference contribution

Korhonen, Ville; Jääskeläinen, Pekka; Koskela, Matias; Viitanen, Timo; Takala, Jarmo / Rapid Customization of Image Processors Using Halide.
Research output: Scientific - peer-review › Conference contribution

Külli, Kristian; Devlin, Keith; Multisilta, Jari / Editorial: Is Game-Based Math Learning Finally Coming of Age?
In: International Journal of Serious Games, Vol. 2, No. 4, 1, 08.12.2015.
Research output: Scientific › Editorial

Kultala, Heikki; Viitanen, Timo; Jääskeläinen, Pekka; Helkala, Janne; Takala, Jarmo / Improving Code Density with Variable Length Encoding Aware Instruction Scheduling.
Research output: Scientific - peer-review › Article

Äijö, Tömi; Jääskeläinen, Pekka; Elomaa, Tapio; Kultala, Heikki; Takala, Jarmo / Integer Linear Programming-Based Scheduling for Transport Triggered Architectures.
Ahoniemi, Tuukka / Efficient Use of Teaching Technologies with Programming Education.
Tampere University of Technology, 2015. 133 p. (Tampere University of Technology. Publication; Vol. 1301).
Research output: Collection of articles › Doctoral Thesis

Research output: Collection of articles › Doctoral Thesis

Ruokonen, Anna; Hylli, Otto; Lahtinen, Samuel / Towards Open Data for Personal Web Tasking.
Research output: Scientific - peer-review › Conference contribution

Miranda, Javier; Mäkitalo, Niko; Garcia-Alonso, Jose; Berrocal, Javier; Mikkonen, Tommi; Canal, Carlos; Murillo, Juan M. / From the Internet of Things to the Internet of People.
In: IEEE Internet Computing, Vol. 19, No. 2, 01.03.2015, p. 40-47.
Research output: Scientific - peer-review › Article

Leppänen, Marko; Mäkinen, Simo; Pagels, Max; Eloranta, Veli-Pekka; Itkonen, Juha; Mäntylä, Mika V.; Männistö, Tomi / The highways and country roads to continuous deployment.
Research output: Scientific - peer-review › Article

Jokela, Tero; Ojala, Jarno; Grassel, Guido; Piippo, Petri; Olsson, Thomas / A Comparison of Methods to Move Visual Objects Between Personal Mobile Devices in Different Contexts of Use.
Research output: Scientific - peer-review › Conference contribution

Amab, Sylvester; Ger, Pablo Moreno; Lim, Theodore; Lameras, Petros; Hendrix, Maurice; Kiili, Kristian; Hauge, Jannicke Baalsrud; Ninaus, Manuel; de Freitas, Sara; Mazzetti, Alessandro; Dahlbom, Anders; Degano, Cristiana; Stanescu, Ioana; Riveiro, Maria / A conceptual model towards the scaffolding of learning experience.
Research output: Scientific - peer-review › Conference contribution

Chaudhary, Sunil; Zhao, Yan; Berki, Eleni; Valtanen, Juri; Li, Linfeng; Helenius, Marko; Mystakidis, Stylianos / A Cross-Cultural and Gender-Based Perspective for Online Security: Exploring Knowledge, Skills and Attitudes of Higher Education Students.
Research output: Scientific - peer-review › Article

Palviainen, Jarmo; Kilamo, Terhi; Koskinen, Johannes; Lautamäki, Janne Tuomas; Mikkonen, Tommi; Nieminen, Antti / A Design Framework Enhancing Developer Experience in Collaborative Coding Environment.
Research output: Scientific - peer-review › Conference contribution

Jokela, Tero; Ojala, Jarno; Olsson, Thomas / A Diary Study on Combining Multiple Information Devices in Everyday Activities and Tasks.
Research output: Scientific - peer-review › Conference contribution

Väätäjä, Heli / Animal Welfare as a Design Goal in Technology Mediated Human-Animal Interaction.
Vainio, Teija; Walsh, Tanja; Varsaluoma, Jari / Cross-Cultural Design of Mobile Mathematics Learning Service for South African Schools.
In: IADIS International Journal on WWW/Internet, Vol. 12, No. 1, 2015, p. 81-93.
Research output: Scientific - peer-review › Article

Petrie, Helen; Walsh, Tanja; Odutola, Olufunmilayo; Ang, Lei / Cross-cultural issues in working with users in the design of interactive systems.
Research output: Scientific - peer-review › Conference contribution

Jarusrboonchai, Pradthana; Olsson, Thomas; Prabhu, Vikas; Väänänen-Vainio-Mattila, Kaisa / CueSense: a Wearable Proximity-Aware Display Enhancing Encounters.
Research output: Scientific - peer-review › Conference contribution

Malinen, Sanna; Nurkka, Piia / Cultural influence on online community use: A cross-cultural study on online exercise diary users of three nationalities.
Research output: Scientific - peer-review › Article

Jaakkola, Hannu; Thalheim, Bernhard / Culture-Aware Web Information System Development.
Research output: Scientific - peer-review › Conference contribution

Saari, M.; Sillberg, P.; Rantanen, P.; Soini, J.; Fukai, H. / Data collector service - practical approach with embedded linux.
Research output: Scientific - peer-review › Conference contribution

Andalibi, Vafa; Honko, Harri; Christophe, Francois; Viik, Jari / Data Correction for Seven Activity Trackers based on Regression Models.
Research output: Scientific - peer-review › Conference contribution

Jaakkola, H.; Henno, J.; Soini, J. / Data driven ecosystem - Perspectives and problems.
Research output: Scientific - peer-review › Conference contribution

Lehtonen, Timo; Suonsyrjä, Sampo; Kilamo, Terhi; Mikkonen, Tommi / Defining Metrics for Continuous Delivery and Deployment Pipeline.
Research output: Scientific - peer-review › Conference contribution

Kannisto, Joona; Heikkinen, Seppo; Slavov, Kristian; Harju, Jarmo / Delayed key exchange for constrained smart devices.
Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). Springer Verlag, 2015. p. 12-26 (Lecture Notes in Computer Science; Vol. 8629).
Research output: Scientific - peer-review › Conference contribution
Suonsyrjä, Sampo; Mikkonen, Tommi / **Designing an Unobtrusive Analytics Framework for Monitoring Java Applications.**


Research output: Scientific - peer-review › Conference contribution

Jarusriboonchai, Pradthana / **Designing Mobile Devices Encouraging and Supporting Collocated Interactions.**


Research output: Scientific - peer-review › Conference contribution

Vepsäläinen, Timo; Kuikka, Seppo / **Design Patterns for Model-Driven Development.**

In: *Communications in Computer and Information Science,* Vol. 555, 2015, p. 21-38.

Research output: Scientific - peer-review › Article

Ojala, Jarno; Korhonen, Hannu; Laaksonen, Jari; Väänänen, Kaisa; Järvi, Antti; Raisamo, Roope; Mäkelä, Ville / **Developing Novel Services for the Railway Station Area through Experience-Driven Design.**

In: *ID&A Interaction Design & Architecture(S),* Vol. 25, No. 1, 2015, p. 73-84.

Research output: Scientific - peer-review › Article

Seppälä, Otto; Ihantola, Petri; Isohannni, Essi; Sorva, Juha; Vihavainen, Arto / **Do we know how difficult the rainfall problem is?**


Research output: Scientific - peer-review › Conference contribution

Hokkanen, Laura; Kuusinen, Kati; Väänänen, Kaisa / **Early Product Design in Startups: Towards a UX Strategy.**


Research output: Scientific - peer-review › Conference contribution


Research output: Scientific - peer-review › Conference contribution

Ihantola, Petri; Vihavainen, Arto; Ahadi, Alireza; Butler, Matthew; Börstler, Jürgen; Edwards, Stephen H.; Isohannni, Essi; Korhonen, Ari; Petersen, Andrew; Rivers, Kelly; Rubio, Miguel Ángel; Sheard, Judy; Skupas, Bronius; Spacco, Jaime; Szabo, Claudia; Toll, Daniel / **Educational Data Mining and Learning Analytics in Programming: Literature Review and Case Studies.**


Research output: Scientific - peer-review › Conference contribution

Collin, Jussi; Kirkko-Jaakkola, Martti; Takala, Jarmo / **Effect of Carouseling on Angular Rate Sensor Error Processes.**


Research output: Scientific - peer-review › Article

Hästbacka, David; Aarnio, Pekka; Vyatkin, Valeriy; Kuikka, Seppo / **Empowering Industrial Maintenance Personnel with Situationally Relevant Information using Semantics and Context Reasoning.**


Research output: Scientific - peer-review › Conference contribution

Ahtinen, Aino; Poutanen, Jenni; Vuolle, Maiju; Väänänen, Kaisa; Peltoniemi, Sanna / **Experience-Driven Design of Ambiences for Future Pop Up Workspaces.**


Chaudhary, Sunil; Zhao, Yan; Berki, Eleni; Valtanen, Juri; Li, Linfeng; Helenius, Marko; Mystakidis, Stylianos; Nalam, Thrushna; Thapa, Rajendra Bahadur / Exploring Attitudes, Knowledge and Competencies for Security Technology: A Cross-Cultural Survey in Higher Education. 8th International Conference on ICT, Society and Human Beings 2015. 2015. p. 11-18.


Varsaluoma, Jari; Vääätjärvi, Hele; 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. p. 125-127 (FIMECC Publication series; Vol. 8).


Väätäjä, Heli; Haggrén, Jaakko / Increasing user and customer understanding through rapid ethnography in emerging markets.
Research output: Professional › Chapter

Bojja, Jayaprasad; Kirkko-Jaakkola, Martti; Collin, Jussi; Takala, Jarmo / Indoor Localization Methods Using Dead Reckoning and 3D Map Matching.
Research output: Scientific - peer-review › Article

Haaranen, Lassi; Ihantola, Petri; Sorva, Juha; Vihavainen, Arto / In Search of the Emotional Design Effect in Programming.
Research output: Scientific - peer-review › Conference contribution

Turunen, Markku; Sonntag, Daniel; Engelbrecht, Klaus-Peter; Olsson, Thomas; Schnelle-Walka, Dirk; Lucero, Andrés / Interaction and humans in internet of things.
Research output: Scientific - peer-review › Conference contribution

Ripatti, Maria; Kilamo, Terhi; Salli, Karri-Tuomas; Mikkonen, Tommi / Internal Marketplace as a Mechanism for Promoting Software Reuse.
Research output: Scientific - peer-review › Conference contribution

Lilja, Kari / Jossakin vuoti öljy, muualla tihkuivat tiedot - etiikka katoavien rajojen ja suurten skandaalien aikakaudella.
Research output: Scientific - peer-review › Chapter

Viljanen, Marko; Koivula, Ari; Lemmetti, Ari; Vanne, Jarno; Hämäläinen, Timo D. / Kvazaar HEVC encoder for Efficient Intra Coding.
Research output: Scientific - peer-review › Conference contribution

Terho, Henri; Suonsyrjä, Sampo; Jaaksi, Ari; Mikkonen, Tommi; Kazman, Rick; Chen, Hong-Mei / Lean Startup Meets Software Product Lines: Survival of the Fittest or Letting Products Bloom?
Research output: Scientific - peer-review › Conference contribution

Baalsrud Hauge, Jannicke; Stanescu, Ioana; Arnab, Sylvester; Moreno Ger, Pablo; Lim, Theodore; Serrano-Laguna, Angel; Lameras, Petros; Hendrix, Maurice; Kilil, Kristian Juha Mikael; Ninaus, Manuel; Mazzetti, Alessandro; Dahlbom, Anders; Degano, Cristiana / Learning Analytics Architecture to Scaffold Learning Experience through Technology-based Methods.
Research output: Scientific - peer-review › Article

Sand, Antti; Rakkolainen, Ismo; Isokoski, Poika; Raisamo, Roope; Palovuori, Karri / Lightweight Immaterial Particle Displays with Mid-Air Tactile Feedback.
IEEE international symposium on haptic audio-visual environments and games. 2015. p. 30-34.
Research output: Scientific - peer-review › Conference contribution
Walsh, Tanja; Petrie, Helen; Zhang, Anqi / Localization of Storyboards for Cross-cultural User Studies. 
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Tampere : Tampere University of Technology, 2015. 73 p. (Tampere University of Technology. Publication; Vol. 1317). 
Research output: Collection of articles › Doctoral Thesis

Voutilainen, Jari-Pekka; Salonen, Jaakko; Mikkonen, Tommi / On the Design of a Responsive User Interface for a Multi-Device Web Service. 
Research output: Scientific - peer-review › Conference contribution

Lehtonen, Timo; Aho, Timo; Isohanni, Essi; Mikkonen, Tommi / On the Role of Gamification and Localization in an Open Online Learning Environment: Javala Experiences. 
Research output: Scientific - peer-review › Conference contribution

Raunio, Jukka-Pekka; Ritala, Risto; Välimäki, Tuomas / Optimal operation of a three camera system on a four-wheel robot. 
Research output: Scientific - peer-review › Conference contribution

Christophe, Francois; Mikkonen, Tommi; Andalibi, Vafa; Koskimies, Kai; Laukkanen, Teemu / Pattern recognition with Spiking Neural Networks: a simple training method. 
Research output: Scientific - peer-review › Conference contribution

Eloranta, Veli-Pekka; Leppänen, Marko / Patterns for Distributed Machine Control Systems. 
Research output: Scientific - peer-review › Conference contribution

Väätäjä, Heli / Perceived Impacts as User Experience Components in Mobile News Making with Smartphones. 
Research output: Scientific - peer-review › Chapter

Li, Linfeng; Nummenmaa, Timo; Berki, Eleni; Helenius, Marko / Phishing knowledge based user modelling in software design. 
Research output: Scientific - peer-review › Conference contribution
Syeed, M. M. Mahbubul; Lokhman, Alexander; Mikkonen, Tommi; Hammouda, Imed / Pluggable Systems as Architectural Pattern: An Ecosystematibility Perspective.  
Research output: Scientific - peer-review › Conference contribution

Jääskeläinen, Pekka; De La Lama, Carlos Sánchez; Schnetter, Erik; Raiskila, Kalle; Takala, Jarmo; Berg, Heikki / pocl: A Performance-Portable OpenCL Implementation.  
Research output: Scientific - peer-review › Article

Welzer, Tatjana (Editor); Hölbl, Marko (Editor); Kiyoki, Yasushi (Editor); Thalheim, Bernhard (Editor); Jaakkola, Hannu (Editor) / Proceedings of the 25th International Conference on Information Modelling and Knowledge Bases (EJC 2015), 8-12 June, 2015, Maribor, Slovenia.  
Maribor, Slovenia : University of Maribor, Faculty of Electrical Engineering and Computer Science, 2015.  
Research output: Scientific - peer-review › Anthology

Henno, J.; Jaakkola, H.; Mäkelä, J. / Project- and product-oriented course.  
Research output: Scientific - peer-review › Conference contribution

Koski, Aapo; Mikkonen, Tommi / Requirements, Architecture, and Quality in a Mission-Critical System: 12 Lessons Learned.  
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Kannisto, Petri; Hästbacka, David; Vilkko, Matti; Kuikka, Seppo / Service Architecture and Interface Design for Mobile Machine Parameter Optimization System.  
Research output: Scientific - peer-review › Article

Berrocal, Javier; Canal, Carlos; Garcia-Alonso, Jose; Mäkitalo, Niko; Mikkonen, Tommi; Miranda, Javier; Murillo, Juan M. / Smartphones as Personal Profile Providers: Enhancing Mobile App Architectures.  
Research output: Scientific - peer-review › Conference contribution

Jarusriboonchai, Pradthana; Olsson, Thomas; Väänänen-Vainio-Mattila, Kaisa / Social Displays on Mobile Devices: Increasing Collocated People's Awareness of the User's Activities.  
Research output: Scientific - peer-review › Conference contribution

Linna, Petri / Sosiaalinen media ja digitalisaatio.  
Research output: Professional › Conference contribution

Kilamo, Terhi; Rahikkala, Jurka; Mikkonen, Tommi / Spicing Up Open Source Development with a Touch of Crowdsourcing.  
Kiili, Kristian; Devlin, Keith; Perttula, Arttu; Tuomi, Sanna; Lindstedt, Antero / Using video games to combine learning and assessment in mathematics education.
Research output: Scientific - peer-review › Article

Heimonen, Tomi; Tiihonen, Katarina; Turunen, Markku; Keskinen, Tuuli; Vääätäjä, Heli; Varsaluoma, Jari; Jokinen, Jussi; Nieminen, Harri / UX sensors - Understanding the UX of complex systems through usage analysis.
Research output: Professional › Chapter

Hokkanen, Laura; Vääänänen-Vainio-Mattila, Kaisa / UX work in startups : Current practices and future needs.
Research output: Scientific - peer-review › Conference contribution

Lylykangas, Jani; Heikkinen, Jani; Surakka, Veikko; Raisamo, Roope; Myllymäki, Kalle; Laitinen, Arvo / Vibrotactile Stimulation as an instructor for Mimicry-Based Physical Exercise.
Research output: Scientific - peer-review › Article

Honko, Harri; Andallibi, Vafa; Aaltonen, Timo; Parak, Jakub; Saaranen, Mika; Viik, Jari; Korhonen, Ilkka / W2E - Wellness Warehouse Engine for Semantic Interoperability of Consumer Health Data.
Research output: Scientific - peer-review › Article

Terho, Henri; Suonsyrjä, Sampo; Karisalo, Aleksi; Mikkonen, Tommi / Ways to Cross the Rubicon: Pivoting in Software Startups.
Research output: Scientific - peer-review › Conference contribution

Laarni, Jari; Ravaja, Niklas; Saari, Timo; Böcking, Saskia; Hartmann, Tilo; Schramm, Holger / Ways to measure spatial presence: Review and future directions.
Research output: Scientific - peer-review › Chapter

Saarinen, Markku-Juhani O.; Brumley, Billy Bob / WHIRLBOB, the Whirlpool Based Variant of STRIBOB.
Research output: Scientific - peer-review › Conference contribution

Mikkonen, Tommi; Systä, Kari / Maximizing Product Value: Continuous Maintenance.
Research output: Scientific - peer-review › Conference contribution

Kaasinen, Eija; Vääätäjä, Heli; Karvonen, Hannu; Lu, Yichen / The fuzzy front end of experience design.
Research output: Scientific - peer-review › Conference contribution

Rantanen, Ville / Capacitive Facial Activity Measurement.
Tampere : Tampere University of Technology, 2014. 50 p. (Tampere University of Technology. Publication; No. 1235).
Research output: Collection of articles › Doctoral Thesis
Väätäjä, Heli / **Assessing Dog's experience in ACI.**
Research output: Scientific - peer-review › Conference contribution

Mäkitalo, Niko; Mikkonen, Tommi / **At the Edge of the Cloud: Improving the Coordination of Proactive Social Devices.**
Research output: Scientific - peer-review › Conference contribution

Kellomäki, Timo; Saari, Timo / **A User Study: Is the Advection Step in Shallow Water Equations Really Necessary?**
Research output: Scientific - peer-review › Conference contribution

Ojala, Jarno; Mate, Sujeet; Curcio, Igor D.D.; Lehtuniemi, Arto; Väänänen-Vainio-Mattila, Kaisa / **Automated Creation of Mobile Video Remixes: User Trial in Three Event Contexts.**
Research output: Scientific - peer-review › Conference contribution

Parviainen, Jussi; Collin, Jussi; Pihlström, Timo; Takala, Jarmo; Hanski, Kari; Lumiaho, Aki / **Automatic Crash Detection for Motor Cycles.**
Research output: Scientific - peer-review › Conference contribution

Walsh, Tanja; Varsaluoma, Jari; Kujala, Sari; Nurkka, Piia; Petrie, Helen; Power, Chris / **Axe UX: Exploring Long-Term User Experience with iScale and AttractDiff.**
Research output: Scientific - peer-review › Conference contribution

Kuusinen, Kati / **Beyond the "One Sprint Ahead" Approach: Organizing User Experience Work in Agile Software Development.**
Research output: Scientific - peer-review › Conference contribution

Järvenpää, Toni; Suhonen, Katja; Jumisko-Pyykkö, Satu; Salminen, Marja / **Binocular and Monocular Augmentations for Different Distances on See-Through Near-Eye Displays.**
Research output: Scientific - peer-review › Conference contribution

Mäkitalo, Niko / **Building and programming ubiquitous social devices.**
Research output: Scientific - peer-review › Conference contribution
Eloranta, Veli-Pekka; Koskimies, Kai / Chapter 8 - Lightweight Architecture Knowledge Management for Agile Software Development.
Research output: Scientific - peer-review › Chapter

Mattila, Anna-Liisa; Systä, Kari; Voutilainen, Jari-Pekka; Mikkonen, Tommi / Cloud Space Web-based Smart Space with Management UI.
Research output: Scientific - peer-review › Conference contribution

Vanne, Jarno; Viitanen, Marko; Koivula, Ari; Hämäläinen, Timo D / Comparative Study of 8 and 10-bit HEVC Encoders.
Research output: Scientific - peer-review › Conference contribution

Sahar, Farrukh; Varsaluoma, Jari; Kujala, Sari / Comparing the Effectiveness of Electronic Diary and UX Curve Methods in Multi-Component Product Study.
Research output: Scientific - peer-review › Conference contribution

Kultala, Heikki; Viitanen, Timo; Jääskeläinen, Pekka; Helkala, Janne; Takala, Jarmo / Compiler Optimizations for Code Density of Variable Length Instructions.
Research output: Scientific - peer-review › Conference contribution

Thalheim, Bernhard; Jaakkola, Hannu; Nakanishi, Takafumi; Sasaki, Shiori; Schewe, Klaus-Dieter / Conceptual Modelling of Collaboration for Information Systems.
Research output: Scientific - peer-review › Chapter

Javed, Nadir; Silverajan, Bilhanan / Connectivity Emulation Testbed for IoT Devices and Networks.
Research output: Scientific - peer-review › Conference contribution

Vanhatupa, Juha-Matti; Lautamäki, Janne / Content Generation in a Collaborative Browser-Based Game Environment.
Research output: Scientific - peer-review › Chapter

Walsh, Tanja; Vainio, Teija; Varsaluoma, Jari / Cross-Cultural Design of Mobile Mathematics Learning Service for South African Schools.
Research output: Scientific - peer-review › Conference contribution

Van Heesch, Uwe; Eloranta, Veli-Pekka; Avgériou, Paris; Koskimies, Kai; Harrison, Neil / Decision-Centric Architecture Reviews.
Eloranta, Veli-Pekka; Koskinen, Johannes; Leppänen, Marko; Reijonen, Ville / Designing Distributed Control Systems: A Pattern Language Approach.
Research output: Scientific - peer-review › Book

Research output: Scientific - peer-review › Conference contribution

Kannisto, Joona; Harju, Jarno; Takahashi, Takeshi / Digital Identities and Accountable Agreements in Web Applications.
Research output: Scientific - peer-review › Conference contribution

Perttula, Arto; Leppäkoski, Helena; Kirkko-Jaakkola, Martti; Davidson, Pavel; Collin, Jussi; Takala, Jarno / Distributed Indoor Positioning System With Inertial Measurements and Map Matching.
Research output: Scientific - peer-review › Article

Kannisto, Petri; Hästbacka, David; Palmroth, Lauri; Kuikka, Seppo / Distributed Knowledge Management Architecture and Rule Based Reasoning for Mobile Machine Operator Performance Assessment.
Research output: Scientific - peer-review › Conference contribution

Multisilta, Jari / Editorial on Mobile and Panoramic Video in Education.
Research output: Scientific › Article

Wang, Guohui; Yin, Bei; Cho, Inkeun; Cavallaro, Joseph R; Bhattacharyya, Shuvra; Takala, Jarno / Efficient Architecture Mapping of FFT/IFFT for Cognitive Radio Networks.
Research output: Scientific - peer-review › Conference contribution

Vanne, Jarno; Viitanen, Marko; Hämäläinen, Timo D. / Efficient Mode Decision Schemes for HEVC Inter Prediction.
Research output: Scientific - peer-review › Article

Yviquel, Hervé; Sanchez, Alexandre; Jääskeläinen, Pekka; Takala, Jarno; Raulet, Mickael; Casseau, Emmanuel / Efficient Software Synthesis of Dynamic Dataflow Programs.
Research output: Scientific - peer-review › Conference contribution

Tuomi, Pauliina / Emmerdale netissä: Ohjelmakohtaisten sivustojen käyttötarkoitukset osana katselukokemusta.
Research output: Scientific - peer-review › Article
Nurmi, Jari (Editor); Ellervee, Peeter (Editor); Milojevic, Dragomir (Editor); Daniel, Ondrej (Editor); Paakki, Tommi (Editor) / International Symposium on System-on-Chip Proceedings, SoC 2014, October 28-29, 2014, Tampere, Finland. IEEE, 2014.
Research output: Scientific - peer-review › Anthology

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Chapter

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article

Research output: Professional › Article

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Chapter
Jumisko-Pyykkö, Satu; Väätäjä, Heli; Jaakola, Markus / Quality Management of User-Generated Content in Participatory Journalism.
Research output: Scientific - peer-review › Conference contribution

Mattila, Anna-Liisa; Mikkonen, Tommi / Research Plan: Visualizations for Software Analytics.
Research output: Scientific - peer-review › Conference contribution

Hylli, Otto; Lahtinen, Samuel; Systä, Kari; Ruokonen, Anna / Resource Description for End-User Driven Service Compositions.
Research output: Scientific - peer-review › Conference contribution

Vepsäläinen, Timo; Kuikka, Seppo / Safety Patterns in Model-Driven Development.
Research output: Scientific - peer-review › Conference contribution

Hyli, Otto; Lahtinen, Samuel; Systä, Kari; Ruokonen, Anna / Service Composition for End-Users.
Research output: Scientific - peer-review › Article

Kulmala, Janne; Vataja, Mikko; Rautiainen, Saku; Laukariiene, Teemu; Hännikäinen, Marko / Social Index: A Content Discovery Application for Ad Hoc Communicating Smart Phones.
Research output: Scientific - peer-review › Conference contribution

Syeed, M. M. Mahbubul; Hansen, Klaus Marius; Hammouda, Imed; Manikas, Konstantinos / Socio-Technical Congruence in the Ruby Ecosystem.
Research output: Scientific - peer-review › Conference contribution

Syeed, M. M. Mahbubul; Hammouda, Imed / Socio-Technical Dependencies in Forked OSS Projects: Revealing Eidence from BSD Family.
Research output: Scientific - peer-review › Article

Dande, Anuradha; Eloranta, Veli-Pekka; Hadaytullah, H.; Kovalainen, Antti-Jussi; Lehtonen, Timo; Leppänen, Marko; Salmimaa, Taru; Syeed, Mahbubul; Vuori, Matti; Rubattel, Claude; Weck, Wolfgang; Koskimies, Kai / Software Startup Patterns - An Empirical Study.
Research output: Professional › Commissioned report

Ahokangas, Markus; Arko, Vesa; Aura, Tuomas; Erkinheimo, Pia; Evesti, Antti; Franti, Tapio; Hautamäki, Jari; Helenius, Marko; Hämäläinen, Matti; Kępplainen, Juha; Kirichencko, Alexey; Korkiakoski, Markku; Kuosmanen, Pauli; Laaksonen, Mika; Lehto, Martti; Manner, Jukka; Remes, Juha; Röning, Juha; Sahlin, Bengt / Strategic Research Agenda for Cyber Trust.
DIGILE, 2014. 45 p. (DIGILE Board of Directors).


Mäkitalo, Niko; Peltola, Heikki; Turto, Tuomas; Mikkonen, Tommi; Savolainen, Juha / Complementing Web Service Architecture. Information Modelling and Knowledge Bases XXIV. ed. / Peter Vojtas; Yasushi Kiyoki; Hannu Jaakkola; Takehiro Tokuda; Naofumi Yoshida. Amsterdam, the Netherlands : IOS Press, 2013. p. 23-30 (Frontiers in Artificial Intelligence and Applications; Vol. 251).

Research output: Scientific - peer-review › Conference contribution

Patyk, Tomasz; Guevorkian, David; Pitkänen, Teemu; Takala, Jarmo / **Customized TTA Processor for Efficient Implementation of Variable Length FFT in SDR Systems.**
Research output: Scientific - peer-review › Conference contribution

Varsaluoma, Jari; Kentta, Ville / **Demo Hour. DrawUX.**
Research output: Scientific › Article

Määttä, Joni-Matti; Honkonen, Mikko; Korhonen, Tommi; Salminen, Emo; Hämäläinen, Timo D. / **Dependency Analysis and Visualization Tool for Kactus2 IP-XACT Design Framework.**
Research output: Scientific - peer-review › Conference contribution

Mattila, Anna-Liisa; Mikkonen, Tommi / **Designing a 3D Widget Library for WebGL Enabled Browsers.**
Research output: Scientific - peer-review › Conference contribution

Palviainen, Jarmo; Kuusinen, Kati; Väänänen-Vainio-Mattila, Kaisa / **Designing for Presence in Social Television Interaction.**
Research output: Scientific - peer-review › Conference contribution

Kuusinen, Kati; Mikkonen, Tommi / **Designing User Experience for Mobile Apps: Long-Term Product Owner Perspective.**
Research output: Scientific - peer-review › Conference contribution

Salminen, Arto; Mikkonen, Tommi; Nyrhinen, Feetu; Taivalsaari, Antero / **Developing Client-Side Mashups: Experiences, Guidelines and Reference Architecture.**
Research output: Scientific - peer-review › Article

Porres, Ivan (Editor); Mikkonen, Tommi (Editor); Ashraf, Adnan (Editor) / **Developing Cloud Software : Algorithms, Applications, and Tools.**
Turku, Finland : TURKU CENTRE FOR COMPUTER SCIENCE, 2013. (TUCS General Publication; No. 60).
Research output: Scientific - peer-review › Anthology

Hästbacka, David / **Developing Modern Industrial Control Applications: On Information Models, Methods and Processes for Distributed Engineering.**
Tampere University of Technology, 2013. 135 p. (Tampere University of Technology. Publication; No. 1143).
Research output: Monograph › Doctoral Thesis

Hänninen, Ismo; Lu, Hao; Lent, Craig S.; Snider, Gregory L. / **Energy Recovery and Logical Reversibility in Adiabatic CMOS Multiplier.**
Research output: Scientific - peer-review › Conference contribution


Malinen, Sanna; Nurkka, Piia / The role of community in exercise: cross-cultural study of online exercise diary users. Proceedings of the 6th International Conference on Communities and Technologies (C&T '13), 1-2 July 2013, Munich, Germany. ACM, 2013. p. 55-63 (International Conference on Communities and Technologies). Research output: Scientific - peer-review › Conference contribution


Salminen, Arto; Mikkonen, Tommi / Towards pervasive mashups in embedded devices: comparing procedural and declarative approach.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution