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

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

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

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

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

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

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

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

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

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

Industrial impact on topics and types of Master's theses : Empirical study of software engineering theses made in 1990-2016. / Järvinen, Hannu-Matti; Mikkonen, Tommi. 
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

Research output: Scientific - peer-review › Article

Pointing and Selecting with Facial Activity. / Tuisku, Outi; Rantanen, Ville; Spakov, Oleg; Surakka, Veikko; Lekkala, Jukka. In: Interacting with Computers, Vol. 28, No. 1, 01.2016, p. 1-12.
Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article

How to Evaluate the Social Effects and User Experience of Systems Enhancing Collocated Interactions? / Olsson, Thomas; Jarusriboonchai, Pradthana; Paasovaara, Susanna; Ojala, Jarno; Olshannikova, Ekaterina; Malapaschas, Aris; Väänänen, Kaisa. Workshop of Proxemic Mobile Collocated Interaction, in conjunction with CHI’16. 2016.
Research output: Professional › Conference contribution

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

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

Research output: Scientific - peer-review › Conference contribution

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

Research output: Collection of articles › Doctoral Thesis

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

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

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

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

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

Integer Linear Programming-Based Scheduling for Transport Triggered Architectures. / Äijö, Tomi; Jääskeläinen, Pekka; Elioma, Tapio; Kultala, Heikki; Takala, Jarmo.
Large-Scale Water Simulation in Games. / Kellomäki, Timo.
Tampere University of Technology, 2015. 91 p. (Tampere University of Technology. Publication; Vol. 1354).
Research output: Collection of articles › Doctoral Thesis

Istujat liikkumaan! / Ahtinen, Aino.
In: Tampereen Kauppakamarilehti, No. 6, 12.2015, p. 8.
Research output: General public › Comment/debate

Survey and evaluation of neural computation models for bio-integrated systems. / Christophe, Francois; Andalibi, Vafa;
Laukkarinen, Teemu; Mikkonen, Tommi; Koskimies, Kai.
Research output: Scientific - peer-review › Review Article

"Free" Innovation Environments: Lessons learned from the Software Factory Initiatives. / Taibi, Davide; Lenarduzzi,
Valentina; Fagerholm, Fabian; München, Jürgen; Ovais Ahmad, Muhammad; Liukkunen, Kari; Pietinen, Sami; Tukiainen,
Markku; Lunesu, Ilaria; Matta, Martina; Fernández-Sánchez, Carlos; Garbajosa, Juan; Systä, Karl.
Research output: Scientific - peer-review › Conference contribution

Integrating UX Work in Agile Enterprise Software Development. / Kuusinen, Kati.
Tampere University of Technology, 2015. 296 p. (Tampere University of Technology. Publication; Vol. 1339).
Research output: Collection of articles › Doctoral Thesis

MergeTree: a HLBVH Constructor for Mobile Systems. / Viitanen, Timo; Koskela, Matias; Jääskeläinen, Pekka; Kultala,
Heikki; Takala, Jarmo.
Research output: Scientific - peer-review › Conference contribution

Refactoring - a Shot in the Dark? / Leppänen, Marko; Mäkinen, Simo; Lahtinen, Samuel; Sievi-Korte, Outi; Tuovinen, Antti-
Pekka; Männistö, Tomi.
Research output: Scientific - peer-review › Article

Exercise apps cure the sitting disease. / Ahtinen, Aino.
Research output: General public › Comment/debate

LOGDIG Log File Analyzer for Mining Expected Behavior from Log Files. / Heikkinen, Esa; Hämäläinen, Timo D.
Proceedings of the 14th Symposium on Programming Languages and Software Tools. ed. / Jyrki Nummenmaa; Outi Sievi-
Research output: Scientific - peer-review › Conference contribution

Semantics analyzing expression editors in IP-XACT design tool Kactus2. / Teuho, Mikko; Pekkarinen, Esko; Hämäläinen,
Timo D.
(CEUR Conference Proceedings (CEUR-WS.org)).
Research output: Scientific - peer-review › Conference contribution

Collecting issue management data for analysis with a unified model and API descriptions. / Hylli, Otto; Mattila, Anna-Liisa;
Systä, Kan.
1525).
Research output: Scientific - peer-review › Conference contribution
Research output: Scientific - peer-review › Conference contribution

Decision-Making Framework for Refactoring. / Leppänen, Marko; Lahtinen, Samuel; Kuusinen, Kati; Mäkinen, Simo; Männistö, Tomi; Itkonen, Juha; Yli-Huumo, Jesse; Lehtonen, Timo.
Research output: Scientific - peer-review › Conference contribution

Mobile Applications to Support Physical Exercise - Motivational Factors and Design Strategies. / Ahtinen, Aino.
Research output: Collection of articles › Doctoral Thesis

Visualizing Big Data with Augmented and Virtual Reality: Challenges and Research Agenda. / Olshannikova, Ekaterina; Ometov, Aleksandr; Koucheryavy, Yevgen; Olsson, Thomas.
Research output: Scientific - peer-review › Review Article

Global vs. Local - Experiences from a Distributed Software Project Course Using Agile Methodologies. / Sievi-Korte, Outi; Systä, Kari; Hjelsvold, Rune.
Research output: Scientific - peer-review › Conference contribution

Suomalaisen digitaalisen television aikakausi on huomattavasti oletettua monipuolisempi. / Tuomi, Pauliina.
Research output: Scientific › Article

Continuous User Experience Development. / Kuusinen, Kati.
Research output: Scientific - peer-review › Conference contribution

Task allocation between UX specialists and developers in agile software development projects. / Kuusinen, Kati.
Research output: Scientific - peer-review › Conference contribution

The Next Level of User Experience of Cloud Storage Services: Supporting Collaboration with Social Features. / Palviainen, Jarmo; Rezaei, Parisa Pour.
Research output: Scientific - peer-review › Conference contribution

Augmenting Technology Trees: Automation and Tool Support. / Heinimäki, Teemu J.; Elomaa, Tapio.
Research output: Scientific - peer-review › Conference contribution

Unified Model for Software Engineering Data. / Mattila, Anna-Liisa; Luoto, Antti; Terho, Henri; Hylli, Jaakko; Sievi-Korte, Outi; Systä, Kari.
Research output: Scientific - peer-review › Conference contribution
Overcoming challenges in agile user experience work: Cross-case analysis of two large software organizations. / Kuusinen, Kati.
Research output: Scientific - peer-review › Conference contribution

Surveys of daily information security of citizens in Finland. / Koskinen, Jukka A.
Research output: Scientific - peer-review › Conference contribution

Understanding the most influential user experiences in successful and unsuccessful technology adoptions. / Partala, Timo; Saari, Timo.
Research output: Scientific - peer-review › Article

Mashing Up Software Issue Management, Development, and Usage Data. / Mattila, Anna-Liisa; Lehtonen, Timo; Terho, Henri; Mikkonen, Tommi; Systä, Kari.
Research output: Scientific - peer-review › Conference contribution

Gathering useful programming data; Analysis and insights from real-time collaborative editing. / Rantala, M.; Soini, J.; Kilamo, T.
Research output: Scientific - peer-review › Conference contribution

Data Intensive Computing : From Modeling to Implementation. / Jääskeläinen, Pekka; Boutellier, Jani.
Research output: Scientific › Editorial

Collaborative cloud-based management of home networks. / Silverajan, Bilhanan; Luoma, Juha-Pekka; Vajaranta, Markku; Itäpuro, Riku.
Research output: Scientific - peer-review › Conference contribution

E-learning of ethics, awareness, hacking and research by information security majors. / Koskinen, Jukka Antero.
Research output: Scientific - peer-review › Conference contribution

Inviting the Audience : -- Interactive, Participatory, and Social Television in Finland. / Tuomi, Pauliina.
Research output: Collection of articles › Doctoral Thesis

Embedded Multi-Core Systems Dedicated to Dynamic Dataflow Programs. / Yviquel, Herve; Sanchez, Alexandre; Jääskeläinen, Pekka; Takala, Jarmo; Raulet, Mickael; Casseau, Emmanuel.
Research output: Scientific - peer-review › Article

On the Socio-Technical Dependencies in Free/Libre/Open Source Software Projects. / Syeed, M M Mahbubul.
Tampere University of Technology, 2015. (Tampere University of Technology. Publication; Vol. 1300).
Research output: Collection of articles › Doctoral Thesis
Efficient Use of Teaching Technologies with Programming Education. / Ahoniemi, Tuukka.
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

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

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

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

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

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

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

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

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

Animal Welfare as a Design Goal In Technology Mediated Human-Animal Interaction. / Vääätäjä, Heli.
Applying finite state process algebra to formally specify a computational model of security requirements in the key2phone-mobile access solution. / Chaudhary, Sunil; Li, Linfeng; Berki, Eleni; Helenius, Marko; Kela, Juha; Turunen, Markku. Lecture Notes in Computer Science. Springer Verlag, 2015. p. 128-145 (Lecture Notes in Computer Science; Vol. 9128).


Augmenting food with information. / Henze, Niels; Olsson, Thomas; Schneegass, Stefan; Sahami, Alireza; Väänänen-Vainio-Mattila, Kaisa. MUM '15 Proceedings of the 14th International Conference on Mobile and Ubiquitous Multimedia. ACM, 2015.


Cross-Cultural Design of Mobile Mathematics Learning Service for South African Schools. / Vainio, Teija; Walsh, Tanja; Varsalouma, Jari.
In: IADIS International Journal on WWW/Internet, Vol. 12, No. 1, 2015, p. 81-93.
Research output: Scientific - peer-review › Article

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

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

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

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

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

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

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

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

Delayed key exchange for constrained smart devices. / Kannisto, Joona; Heikkinen, Seppo; Slavov, Kristian; Harju, Jarmo.
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
Explorative study of teaching programming to vocational teachers in Finland. / Saari, M.; Turunen, J.; Linna, P.; Aramo-Immonen, H.; Huhtala, M.; Joel-Edgar, S.
Research output: Scientific - peer-review › Conference contribution

Exploring Attitudes, Knowledge and Competencies for Security Technology: A Cross-Cultural Survey in Higher Education. / Chaudhary, Sunil; Zhao, Yan; Berki, Eleni; Valtanen, Juri; Li, Linfeng; Helenius, Marko; Mystakidis, Stylianos; Nalam, Thrushna; Thapa, Rajendra Bahadur.
Research output: Scientific - peer-review › Conference contribution

Faster 128-EEA3 and 128-EIA3 Software. / Avanzi, Roberto; Brumley, Billy Bob.
Research output: Scientific - peer-review › Conference contribution

Faster Software for Fast Endomorphisms. / Brumley, Billy Bob.
Research output: Scientific - peer-review › Conference contribution

From Apps to Liquid Multi-Device Software. / Taivalsaari, Antero; Mikkonen, Tommi.
Research output: Scientific - peer-review › Article

From Mobile to Wearable: Using Wearable Devices to Enrich Mobile Interaction. / Schneegass, Stefan; Mayer, Sven; Olsson, Thomas; Van Laerhoven, Kristof.
Research output: Scientific - peer-review › Conference contribution

Getting started with the experience design process. / Varsaluoma, Jari; Vääätäjä, Heli; Kaasinen, Eija; Karvonen, Hannu; Lu, Yichen.
Research output: Professional › Chapter

Guest Editor: Special Issue on Advances in Tools, Techniques and Practices for Multimedia QoE. / Jumisko-Pyykkö, Satu (Editor).
Research output: Scientific - peer-review › Anthology

High-Level Synthesis Design Flow for HEVC Intra Encoder on SoC-FPGA. / Sjövall, Panu; Virtanen, Janne; Vanne, Jarno; Hämäläinen, Timo D.
Research output: Scientific - peer-review › Conference contribution

Identiteetin- ja pääsynhallinta. / Linden, Mikael.
Research output: Professional › Commissioned report
Supplier's Expectations on Usage Data Analytics of Complex Industrial Systems, / Väätäjä, Heli; Heimonen, Tomi; Tiitinen, Katarina; Hakulinen, Jaakko; Turunen, Markku. 

Teaching Distributed Agile Development to Software Professionals: A Flexible Approach, / Vogel, Bahtijar; Kilamo, Terhi; Kurti, Arianit. 

Techniques for Genetic Software Architecture Design, / Sievi-Korte, Outi; Koskimies, Kai; Mäkinen, Erkki. 

Technologies for databases change management, / Jannaschk, Kai; Jaakkola, Hannu; Thalheim, Bernhard. 

Teollista Internetiä työkoneissa – palveluarkkitehtuuri suorituskyvyn optimointiin, / Kannisto, Petri; Hästbacka, David; Kuikka, Seppo. 

The Fuzzy Front End of Experience Design: Workshop Proceedings, / Kaasinen, Eija; Karvonen, Hannu; Lu, Yichen; Varsaluoma, Jari; Väätäjä, Heli. 
Teknologian tutkimuskeskus VTT Oy , 2015. 76 p.

The Fuzzy Front End of Experience Design: Eliciting and Communicating Experience Goals, / Varsaluoma, Jari; Väätäjä, Heli; Kaasinen, Eija; Karvonen, Hannu; Lu, Yichen. 

The Social Developer – Now, Then, and Tomorrow, / Kilamo, Terhi; Leppänen, Marko; Mikkonen, Tommi . 

The spatial presence experience scale (SPES): A short self-report measure for diverse media settings, / Hartmann, Tilo; Wirth, Werner; Schramm, Holger; Klimmt, Christoph; Vorderer, Peter; Gyspers, Andre; Böcking, Saskia; Ravaia, Niklas; Laarni, Jari; Saari, Timo; Gouveia, Feliz; Sacau, Ana. 

Three Dimensional Volume Managers Replacing Window Managers in Augmented Reality Application Paradigm, / Peuhkurinen, Antti; Mikkonen, Tommi. 

Towards an ideal software engineering project course. / Ahtee, Tero; Tiusanen, Olli . 15th Koli Calling International Conference on Computing Education Research : Koli Calling ’15. 2015. p. 157-158.


User experience and usability in complex systems 2010-2015 : Final report 1/2015. / Nuutinen, Maaria; Koskinen, Hanna; Seppänen, Marko; Kantola, Kalle; Lindborg, Iiro; Smedlund, Anssi; Kaasinen, Eija; Paunonen, Hannu; Ruotsalainen, Jouni; Oksanen, Jaakko; Jokinen, Jussi P.P.; Mannonen, Petri; Saariluoma, Pertti; Aiikala, Maju; Savioja, Paula; Roto, Virpi; Lu, Yichen; Vasamo, Anna-Leena; Kuusi, Osmo; Uusitalo, Kero. Tampere : Fimecc, 2015. 225 p. (FIMECC publications series; Vol. 8/2015).


Lightweight Evaluation of Software Architecture Decisions. / Eloranta, Veli-Pekka; van Heesch, Uwe; Avgeriou, Paris; Harrison, Neil; Koskimies, Kai.
Research output: Scientific - peer-review › Chapter

Integrating mobile learning, digital storytelling and social media in vocational learning. / Eriksson, Miikka; Tuomi, Pauliina; Vuojärvi, Hanna.
Research output: Scientific - peer-review › Chapter

Patterns for controlling chaos in a startup. / Eloranta, Veli-Pekka.
Research output: Scientific - peer-review › Conference contribution

Two patterns for minimizing human resources in a startup. / Leppänen, Marko.
Research output: Scientific - peer-review › Conference contribution

Prediction models and techniques for Open Source Software projects : A systematic literature review. / Syeed, M. M Mahbubul; Hammouda, Imed; Systä, Tarja.
Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Conference contribution

Adaptive Activity and Environment Recognition for Mobile Phones. / Parviainen, Jussi; Bojja, Jayaprasad; Collin, Jussi; Leppänen, Jussi; Eronen, Antti.
Research output: Scientific - peer-review › Article

A High Throughput LDPC Decoder using a Mid-range GPU. / Xie, Wen; Jiao, XianJun; Jääskeläinen, Pekka; Kultala, Heikki; Chen, Canfeng; Berg, Heikki; Bie, Zhisong.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Chapter

Are visualization tools used in programming education?: by whom, how, why, and why not? / Isohanni, Essi; Järvinen, Hannu-Matti.
Research output: Scientific - peer-review › Conference contribution
Chapter 8 - Lightweight Architecture Knowledge Management for Agile Software Development. / Eloranta, Veli-Pekka; Koskimies, Kai.
Research output: Scientific - peer-review › Chapter

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

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

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

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

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

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

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

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

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

Developing Interactive Systems for Different Cultures: Issues of Assessing User Experience with Visual Materials. / Walsh, Tanja; Petrie, Helen; Odutola, Olufunmilayo.
Research output: Scientific - peer-review › Conference contribution

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

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

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

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

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

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

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

Emmerdale netissä: Ohjelmakohtaisten sivustojen käyttötarkoituksset osana katselukokemusta. / Tuomi, Pauliina.
Research output: Scientific - peer-review › Article
Enabling Global, Dynamic Web-Based Software Reuse - Mashware Revisited. / Mikkonen, Tommi; Salminen, Arto; Taivalsaari, Antero.
Research output: Scientific - peer-review › Conference contribution

Experience-Driven Design of Traveler Services in the Smart City. / Väänänen-Vainio-Mattila, Kaisa; Ojala, Jarno; Laaksonen, Jari; Korhonen, Hannu; Pakkanen, Toni; Raisamo, Roope.
Research output: Scientific - peer-review › Conference contribution

Experiences from System-on-Chip design courses. / Matilainen, Lauri; Salminen, Erno; Hämäläinen, Timo D.
Research output: Scientific - peer-review › Conference contribution

Exploring online customization of a high involvement experience product. / Nurkka, Pia; Jumisko-Pyykkö, Satu.
Research output: Scientific - peer-review › Conference contribution

Exploring the Augmented Home Window – User Perceptions of the Concept. / Ventä-Olkkonen, Leena; Häkkilä, Jonna; Väänänen-Vainio-Mattila, Kaisa.
Research output: Scientific - peer-review › Conference contribution

Expressing Security Requirements: Usability of Taxonomy-based Requirement Identification Scheme. / Takahashi, Takeshi; Kannisto, Joonas; Harju, Jarno; Kanaoka, Akira; Takano, Yuuki; Matsuo, Shinichiro.
Research output: Scientific - peer-review › Conference contribution

Eye Tracking in Game-based Learning Research and Game Design. / Kiili, Kristian; Ketamo, Harri; Kickmeier-Rust, Michael D.
Research output: Scientific - peer-review › Article

First Hand Developer Experiences of Social Devices. / Mäkitalo, Niko; Aaltonen, Timo; Mikkonen, Tommi.
Research output: Scientific - peer-review › Conference contribution

Flow Experience as a Quality Measure in Evaluating Physically Activating Collaborative Serious Games. / Kiili, Kristian; Perttula, Arttu; Lindstedt, Antero; Arnab, Sylvester; Suominen, Marko.
Research output: Scientific - peer-review › Article

Flow Experience as a Quality Measure in Evaluating Physically Activating Serious Games. / Kiili, Kristian; Perttula, Arttu; Arnab, Sylvester; Suominen, Marko.
Flow in SGs. / Kiili, Kristian; Perttula, Arttu.
Game and Learning Alliance GALA, 2014. 46 p.
Research output: Professional › Commissioned report

From Agile Software Development to Mercury Business. / Järvinen, Janne; Huomo, Tua; Mikkonen, Tommi; Tyrväinen, Pasi.
Research output: Scientific - peer-review › Conference contribution

From architectural requirements towards an open architecture for web and mobile societal applications. / Vogel, Bahtijar; Kurti, Arianit; Mikkonen, Tommi; Milrad, Marcelo.
Research output: Scientific - peer-review › Conference contribution

From Mashup Applications to Open Data Ecosystems. / Aaltonen, Timo; Mikkonen, Tommi; Peltola, Heikki; Salminen, Arto.
Research output: Scientific - peer-review › Conference contribution

Gamification of System-on-Chip Design. / Hämäläinen, Timo D.; Salminen, Erno.
Research output: Scientific - peer-review › Conference contribution

Green Software: Greening What and How Much? / Sierszecki, Krzysztof; Mikkonen, Tommi; Steffens, Michaela; Fogdal, Thomas; Savolainen, Juha.
Research output: Scientific - peer-review › Article

Grover: Looking for Performance Improvement by Disabling Local Memory Usage in OpenCL Kernels. / Fang, Jianbin; Sips, Henk; Jääskeläinen, Pekka; Varbanescu, Ana Lucia.
Research output: Scientific - peer-review › Conference contribution

Handbook of the Secure Agile Software Development Life Cycle. / Ahola, Jouko; Frühwirth, Christian; Helenius, Marko; Kutvonen, Lea; Myllylahti, Juho; Nyberg, Timo; Ari; Pietikäinen; Pietikäinen, Pekka; Röning, Juha; Ruohomaa, Sini; Särs, Camillo; Silskonen, Tuuli; Vähä-Sipilä, Antti; Ville, Ylimannela.
Research output: Professional › Book

Heuristics for Greedy Transport Triggered Architecture Interconnect Exploration. / Viitanen, Timo; Kultala, Heikki; Jääskeläinen, Pekka; Takala, Jarno.
Research output: Scientific - peer-review › Conference contribution
Hierarchical Architecture for Multi-Technology Wireless Sensor Networks for Critical Infrastructure Protection. / Karvonen, Heikki; Suhonen, Jukka; Petäjäjärvi, Juha; Hämäläinen, Matti; Hännikäinen, Marko; Pouttu, Ari. 
Research output: Scientific - peer-review → Article

Research output: Scientific - peer-review → Conference contribution

How novices tackle their first lines of code in an IDE: analysis of programming session traces. / Vihavainen, Arto; Helminen, Juha; Ihantola, Petri. 
Research output: Scientific - peer-review → Conference contribution

Identifying the User Experience Factors of a Multi-Component Sports Product. / Sahar, Farrukh; Varsaluoma, Jari Tapio; Kujala, Sari; Väänänen, Kaisa Anneli. 
Research output: Scientific - peer-review → Conference contribution

IEEE 802.11AC MIMO Transmitter Baseband Processing on Customized VLIW Processor. / Aghababaefetreshi, Mona; Lehtonen, Lasse; Soleimani, Maliheh; Valkama, Mikko; Takala, Jarmo. 
Research output: Scientific - peer-review → Conference contribution

Increasing Adoption of Smart Learning Content for Computer Science Education. / Brusilovsky, Peter; Edwards, Stephen; Kumar, Amruth; Malmi, Lauri; Benotti, Luciana; Buck, Duane; Ihantola, Petri; Prince, Rikki; Sosnovsky, Sergey; Urquiza, Jaime; Vihavainen, Arto; Wollowski, Michael. 
Research output: Scientific - peer-review → Conference contribution

Information Modelling and Knowledge Bases XXV. / Tokuda, Takehiro (Editor); Kiyoki, Yasushi (Editor); Jaakkola, Hannu (Editor); Yoshida, Naofumi (Editor). 
Research output: Scientific - peer-review → Anthology

Information Modelling and Knowledge Bases XXVI. / Thalheim, Bernhard (Editor); Jaakkola, Hannu (Editor); Kiyoki, Yasushi (Editor); Yoshida, Naofumi (Editor). 
Research output: Scientific - peer-review → Anthology

Integrated model-in-the-loop simulations to model-driven development in industrial control. / Vepsäläinen, Timo; Kuikka, Seppo. 
Research output: Scientific - peer-review → Article

Intercultural Collaboration in Virtual Environment. / Welzer, Tatjana; Jaakkola, Hannu; Hölbl, Marko; Druzovec, Marjan; Ward, Anthony E. 
**Multicultural Adaptive Systems.** / Jaakkola, Hannu; Thalheim, Bernhard.  
Research output: Scientific - peer-review › Chapter

**On Designing UX for Mobile Enterprise Apps.** / Kuusinen, Kati; Mikkonen, Tommi.  
Research output: Scientific - peer-review › Conference contribution

**Open Data - Opportunities and Challenges.** / Jaakkola, Hannu; Mäkinen, Timo; Eteläaho, Anna.  
Research output: Scientific - peer-review › Conference contribution

**Opiskelun etenemisen kartoitushanke tietotekniikan koulutusohjelmassa.** / Kurlin, Ari; Pesonen, Emilia; Isohanni, Essi.  
Research output: Professional › Commissioned report

**Opportunities and Challenges of Mobile Applications as "Tickets-to-Talk": A Scenario-Based User Study.** / Jarusriboonchai, Pradthana; Olsson, Thomas; Ojala, Jarno; Väänänen-Vainio-Mattila, Kaisa.  
Research output: Scientific - peer-review › Conference contribution

**Parallel programming of a symmetric Transport-Triggered Architecture with applications in flexible LDPC encoding.** / Rister, Blaine; Jääskeläinen, Pekka; Silvén, Olli; Hannuksela, Jari; Cavallaro, Joseph R.  
Research output: Scientific - peer-review › Conference contribution

**Patterns for Sharing Safety System Operation Responsibilities between Humans and Machines.** / Rauhamäki, Jari; Kuikka, Seppo.  
Research output: Scientific - peer-review › Conference contribution

**Patterns for starting up a software startup company.** / Leppänen, Marko.  
Research output: Scientific - peer-review › Conference contribution

**Peleillä liikettä, luovuutta ja yhteisöllisyyttä koulupäivään.** / Kiili, Kristian; Tuomi, Pauliina; Pertula, Arttu; Kiili, Carita.  
Research output: Scientific › Chapter

**Programmable In-loop Deblock Filter Processor for Video Decoders.** / Janhunen, Janne; Jääskeläinen, Pekka; Hannuksela, Jari; Rintalouma, Tero; Kuusela, Aki.  
Research output: Scientific - peer-review › Conference contribution
DIGILE, 2014. 45 p. (DIGILE Board of Directors).
Research output: Professional › Commissioned report

Research output: Scientific - peer-review › Conference contribution

Studying the User Experience of a Tablet Based Math Game. / Kiili, Kristian; Ketamo, Harri; Koivisto, Antti; Finn, Enda.
Research output: Scientific - peer-review › Article

Teknologian hyväksyttävyys älykkäiden koneiden työläisten työympäristössä. Loppuraportti Työsuojelurahaston tutkimus- ja kehittämishankkeesta (hankenumero 113103). / Partala, Timo; Saari, Timo.
Research output: Professional › Commissioned report

Tool support for planning global software development projects. / Vathsavayi, Sri Harsha; Sievi-Korte, Outi; Systä, Kari.
Research output: Scientific - peer-review › Conference contribution

Towards a contingency approach with whitelist- and blacklist-based anti-phishing applications: what do usability tests indicate? / Li, Linfeng; Berki, Eleni; Helenius, Marko; Ovaska, Siai.
Research output: Scientific - peer-review › Article

Towards an Open Architecture Model for Web and Mobile Software: Characteristics and Validity Properties. / Vogel, Bahtija; Kurti, Arianto; Mikkonen, Tommi; Mlrad, Marcelo.
Research output: Scientific - peer-review › Conference contribution

Towards a Pattern Language for Software Start-ups. / Eloranta, Veli-Pekka.
Research output: Scientific - peer-review › Conference contribution

Towards green power electronics: software controllers and domain knowledge. / Sierszecki, Krzysztof; Steffens, Michaela; Fogdal, Thomas; Savolainen, Juha; Mikkonen, Tommi.
Research output: Scientific - peer-review › Conference contribution

Usefulness of Long-Term User Experience Evaluation to Product Development: Practitioners’ Views from Three Case Studies. / Varsaluoma, Jari; Sahar, Faukku.
Research output: Scientific - peer-review › Conference contribution

User-Created Content as Mediator of Co-located Social Experiences. / Ojala, Jarno; Väänänen-Vainio-Mattila, Kaisa; Olsson, Thomas.
User experience and expectations of haptic feedback in in-car interaction. / Väänänen-Vainio-Mattila, Kaisa; Heikkinen, Jani; Farooq, Ahmed; Evreinov, Grigori; Mäkinen, Erno; Raisamo, Roope.

User Experience of Proactive Audio-Based Social Devices: a Wizard-of-Oz Study. / Jarusriboonchai, Pradthana; Olsson, Thomas; Väänänen-Vainio-Mattila, Kaisa.

Using Adaptive Avatars for Visualizing Recent Music Listening History and Supporting Music Discovery. / Lehtiniemi, Arto; Ojala, Jarno.

Using Constraint Satisfaction and Optimization for Pattern-Based Software Design. / Vathsavayi, Sri Harsha; Sievi-Korte, Outi; Koskimies, Kai; Systä, Kari.

Variable Length Instruction Compression on Transport Triggered Architectures. /Helkala, Janne; Viitanen, Timo; Kultala, Heikki; Jääskeläinen, Pekka; Takala, Jarmo; Zetterman, Tommi; Berg, Heikki.

White Knights of the Smart City. / Kymäläinen, Tiina; Sahar, Farrukh; Palviainen, Jarmo.


WOKE: A novel workflow model editor. / Salminen, Erno; Honkonen, Mikko; Matilainen, Lauri; Hämäläinen, Timo D.

A Core-Periphery-Legality Architectural Style for Open Source System Development. / Lokhman, Alexander; Mikkonen, Tommi; Hammouda, Imed; Kazman, Rick; Chen, Hong-Mei.
Research output: Scientific - peer-review › Conference contribution

A field trial on mobile crowdsourcing of news content: Factors influencing participation. / Väätäjä, Heli; Sirkkunen, Esa; Ahvenainen, Mari.
Research output: Scientific - peer-review › Conference contribution

Algorithm for Pedestrian Navigation Combining IMU Measurements and Gait Models. / Davidson, Pavel; Takala, Jarmo.
Research output: Scientific - peer-review › Article

A light-weight mixed method tool for remote UX evaluation: A case study of premium sports watch users. / Nurkka, Piia; Jumisko-Pyykkö, Satu.
Research output: Scientific - peer-review › Conference contribution

All Linear-Time Congruences for Familiar Operators. / Valmari, Antti.
Research output: Scientific - peer-review › Article

A mixed methods approach to a longitudinal study of user experience in the metals and engineering industry. / Väätäjä, Heli; Oja, Tuomas.
Research output: Scientific - peer-review › Conference contribution

An Accountable Security Mechanism based on Security Service Level Agreement. / Takahashi, Takeshi; Kannisto, Joona; Heikkinen, Seppo; Silverajan, Bilhanan; Helenius, Marko; Matsuo, Shin’ichiro; Harju, Jarmo.
Research output: Scientific - peer-review › Conference contribution

An Action-Oriented Programming Model for Pervasive Computing in a Device Cloud. / Aaltonen, Timo; Mylläriemi, Varvama, Raatikainen, Mikko; Mäkitalo, Niko; Pääkkö, Jari.
Research output: Scientific - peer-review › Conference contribution

An Embedded Cloud Design for Internet-of-Things. / Laukkarinen, Teemu; Suhonen, Jukka; Hännikäinen, Marko.
Research output: Scientific - peer-review › Article

Applying Lehman's laws to game evolution. / Nummenmaa, Timo; Kultima, Annakaisa; Alha, Kati; Mikkonen, Tommi.
A secure OSGi environment for untrusted web applications. / Aho, Timo; Koskinen, Johannes; Nieminen, Antti.

A User-Centric View of Intelligent Environments: User Expectations, User Experience and User Role in Building Intelligent Environments. / Kaasinen, Eija; Kymäläinen, Tiina; Niemelä, Marketta; Olsson, Thomas; Kanerva, Minna; Ikonen, Veikko.

Bayesian analysis of GUHA hypotheses. / Piche, Robert; Järvenpää, Marko; Turunen, Esko; Simunek, Milan.

City Scene: Field Trial of a Mobile Street-imagery-based Navigation Service. / Vaittinen, Tuomas; Salminen, Mikka; Olsson, Thomas.

Cloud Browser: Enhancing the Web Browser with Cloud Sessions and Downloadable User Interface. / Taivalsaari, Antero; Mikkonen, Tommi; Systä, Kari.

Cloud computing and its impact on mobile software development: Two roads diverged. / Mikkonen, Tommi; Taivalsaari, Antero.

Code Oriented Approach to 3D Widgets. / Mattila, Anna-Liisa.

Cognitive styles and visual quality. / Jumisko-Pyykkö, Satu; Strohmeier, Dominik.

Complementing Web Service Architecture. / Mäkitalo, Niko; Peltola, Heikki; Turto, Tuomas; Mikkonen, Tommi; Savolainen, Juha.

Constructing Minimal Coverability Sets. / Piipponen, Artturi; Valmari, Antti.
Customized TTA Processor for Efficient Implementation of Variable Length FFT in SDR Systems. / Patyk, Tomasz; Guevorkian, David; Pitkänen, Teemu; Takala, Jarmo.
Research output: Scientific - peer-review » Conference contribution

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

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

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

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

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

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

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

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

Energy Recovery and Logical Reversibility in Adiabatic CMOS Multiplier. / Hänninen, Ismo; Lu, Hao; Lent, Craig S.; Snider, Gregory L.
Research output: Scientific - peer-review » Conference contribution
Exploring Usage Scenarios on Social Devices: Balancing Between Surprise and User Control. / Palviainen, Jarmo; Suhonen, Katja; Väänänen-Vainio-Mattila, Kaisa; Aaltonen, Timo; Leppänen, Tapani.
Research output: Scientific - peer-review › Conference contribution

Extending IP-XACT to embedded system HW/SW integration. / Kamppi, Antti; Matilainen, Lauri; Määttä, Joni-Matti; Salminen, Erno; Hämäläinen, Timo D.
Research output: Scientific - peer-review › Conference contribution

External Behaviour of Systems of State Machines with Variables. / Valmari, Antti.
Research output: Scientific - peer-review › Conference contribution

Framework for Industrial Embedded System Product Development and Management. / Leppäkoski, Arttu; Salminen, Erno; Hämäläinen, Timo D.
Research output: Scientific - peer-review › Conference contribution

General-Purpose DSP Processors. / Takala, Jarmo.
Research output: Scientific - peer-review › Chapter

Good to Know about the Efficiency of State Space Methods. / Tiusanen, Mikko; Valmari, Antti.
Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Anthology

Handbook of Signal Processing Systems. / Bhattacharyya, Shuvra (Editor); Deprettere, Ed (Editor); Leupers, Rainer (Editor); Takala, Jarmo (Editor).
Research output: Scientific - peer-review › Anthology

HTML5 Agents - Mobile Agents for the Web. / Systä, Kari; Mikkonen, Tommi; Järvenpää, Laura.
Research output: Scientific - peer-review › Conference contribution

Implementing artificial intelligence: a generic approach with software support. / Heinimäki, Teemu J.; Vanhatupa, Juha-Matti.
Research output: Scientific - peer-review › Article

Indoor 3D Navigation and Positioning of Vehicles in Multi-Storey Parking Garages. / Bojja, Jayaprasad; Kirkko-Jaakkola, Martti; Collin, Jussi; Takala, Jarmo.
Low Complexity Algorithm for Inversion of Special Matrices in SDR Systems. / Guevorkian, David; Raunioja, Kim; Takala, Jarmo.
Research output: Scientific - peer-review › Conference contribution

Low-Power Application-Specific FFT Processor for LTE Applications. / Patyk, Tomasz; Guevorkian, David; Pitkänen, Teemu; Jääskeläinen, Pekka; Takala, Jarmo.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Chapter

Media experience as a predictor of future news reading. / Järvelä, Simo; Kivikangas, Matias; Saari, Timo; Ravaja, Niklas.
Research output: Scientific - peer-review › Article

Method to Convert Analog Filters to Digital Filters. / Grama, Lacrimioara; Lodin, Alexandru; Rusu, Cornelius; Takala, Jarmo.
Research output: Scientific - peer-review › Conference contribution

Mobile Agents for the Internet of Things. / Järvenpää, Laura; Lintinen, Markku; Mattila, Anna-Lisa; Mikkonen, Tommi; Systä, Kari; Voutilainen, Jani-Pekka.
Research output: Scientific - peer-review › Conference contribution

Mobile Devices as Infotainment User Interfaces in the Car: Contextual Study and Design Implications. / Heikkinen, Jani; Mäkinen, Erno; Lyykkangas, Jani; Pakkanen, Toni; Väänänen-Vainio-Mattila, Kaisa; Raisamo, Roope.
Research output: Scientific - peer-review › Conference contribution

Models of Irreversibility For Binary Adders. / Hänninen, Ismo; Lent, Craig S.; Snider, Gregory L.
Research output: Scientific - peer-review › Conference contribution

Nobody other than me knows what I want: Customizing a sports watch. / Nurkka, Piia.
Research output: Scientific - peer-review › Conference contribution

On the Transition from the Web to the Cloud. / Tupamäki, Jukka; Mikkonen, Tommi.
Sentence Completion for Understanding Users and Evaluating User Experience. / Kujala, Sari; Walsh, Tanja; Nurkka, Plia; Cristan, Marian.
In: Interacting with Computers, 2013.
Research output: Scientific - peer-review › Article

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

Simplified Floating-Point Division and Square Root. / Viitanen, Timo; Jääskeläinen, Pekka; Esko, Otto; Takala, Jarmo.
Research output: Scientific - peer-review › Conference contribution

Simulated Annealing for Aiding Genetic Algorithm in Software Architecture Synthesis. / Sievi-Korte, Outi; Mäkinen, Erkki; Poranen, Timo.
Research output: Scientific - peer-review › Article

Six Enablers of Instant Photo Sharing Experiences in Small Groups Based on the Field Trial of Social Camera. / Ojala, Jarno; Väänänen-Vainio-Mattila, Kaisa; Lehtiniemi, Arto.
Research output: Scientific - peer-review › Conference contribution

Social Devices as a New Type of Social System: Enjoyable or Embarrassing Experiences? / Väänänen-Vainio-Mattila, Kaisa; Olsson, Thomas; Palviainen, Jarmo; Jarusriboonchai, Pradthana.
Research output: Scientific - peer-review › Conference contribution

Software Verification with Next Generation DisCo Specifications. / Nummenmaa, Timo; Mikkonen, Tommi.
Research output: Scientific - peer-review › Conference contribution

Systematic Method to Convert of Analog Filters to Digital Filters. / Lodin, Alexandru; Grama, Lacrimioara; Rusu, Corneliu; Takala, Jarmo.
Research output: Scientific - peer-review › Conference contribution

Tailored Security: Building Nonrepudiable Security Service-Level Agreements. / Takahashi, Takeshi; Kannisto, Joona; Harju, Jarno; Heikkinen, Seppo; Silverajan, Bilhanan; Helenius, Marko; Matsuo, Shin’ichiro.
Research output: Scientific - peer-review › Article

Teaching System-on-Chip design with FPGAs. / Salminen, Erno; Hämäläinen, Timo D.
Research output: Scientific - peer-review › Conference contribution
Text entry by gazing and smiling. / Tuisku, Outi; Surakka, Veikko; Rantanen, Ville; Vanhala, Toni; Lekkala, Jukka.
Research output: Scientific - peer-review › Article

The Asymptotic Behaviour of the Proportion of Hard Instances of the Halting Problem. / Valmari, Antti.
SPLST '13, 13th Symposium on Programming Languages and Software Tools, August 26-27, 2013, Szeged, Hungary.
Research output: Scientific - peer-review › Conference contribution

The Browser as a Host Environment for Visually Rich Applications. / Voutilainen, Jari-Pekka; Mikkonen, Tommi.
SPLST '13, 13th Symposium on Programming Languages and Software Tools, August 26-27, 2013, Szeged, Hungary.
Research output: Scientific - peer-review › Conference contribution

The Effect of Language in Answering Qualitative Questions in User Experience Evaluation Web-Surveys. / Walsh, Tanja; Nurkka, Pia; Petrie, Helen; Olsson, Jaana.
Research output: Scientific - peer-review › Conference contribution

The impact of user experience work on cloud software development. / Kuusinen, Kati.
Research output: Scientific - peer-review › Article

The Implications of Mobile Notifications for User Experience of a Social Network Service. / Vihavainen, Sami; Väänänen-Vainio-Mattila, Kaisa.
Research output: Scientific - peer-review › Article

The Kraft Sum as a Monotone Function of the Refinement-Ordered Set of Uniquely Decipherable Codes. / Foldes, Stephan.
Research output: Scientific - peer-review › Article

The role of community in exercise: cross-cultural study of online exercise diary users. / Malinen, Sanna; Nurkka, Piaa.
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

Towards a Reference Architecture for Server-side Mashup Ecosystem. / Peltola, Heikki; Salminen, Arto.
SPLST '13, 13th Symposium on Programming Languages and Software Tools, August 26-27, 2013, Szeged, Hungary.
Research output: Scientific - peer-review › Conference contribution

Towards Model-driven, Simulation-assisted Control Application Engineering. / Vepsäläinen, Timo.
Research output: Scientific - peer-review › Conference contribution

Towards pervasive mashups in embedded devices: comparing procedural and declarative approach. / Salminen, Arto; Mikkonen, Tommi.
Towards run-time actor mapping of dynamic dataflow programs onto multi-core platforms. / Yviquel, Herve; Casseau, Emmanuel; Raulet, Mickael; Jääskeläinen, Pekka; Takala, Jarmo.
Research output: Scientific - peer-review › Conference contribution

Turbo Decoding on Tailored OpenCL Processor. / Kultala, Heikki; Esko, Otto; Jääskeläinen, Pekka; Guzma, Vladimir; Takala, Jarmo; Xianjun, Jiao; Zetterman, Tommi; Berg, Heikki.
Research output: Scientific - peer-review › Conference contribution

Use of compiler optimization of software bypassing as a method to improve energy efficiency of exposed data path architectures. / Guzma, Vladimir; Pitkänen, Teemu; Takala, Jarmo.
Research output: Scientific - peer-review › Article

User Experience and Usage Scenarios of Audio-Tactile Interaction with Virtual Objects in a Physical Environment. / Väänänen-Vainio-Mattila, Kaisa; Suhonen, Katja; Laaksonen, Jari; Kildal, Johan; Ahmanieni, Teemu; Tahiroglu, Tahiroglu.
Research output: Scientific - peer-review › Conference contribution

User Experiences of Mobile Audio Conferencing with Spatial Audio, Haptics and Gestures. / Rantala, Jussi; Suhonen, Katja; Müller, Sebastian; Väänänen-Vainio-Mattila, Kaisa; Lantz, Vuokko; Raisamo, Roope.
Research output: Scientific - peer-review › Conference contribution

Using aspects for testing of embedded software: experiences from two industrial case studies. / Metsä, Jani; Maoz, Shahar; Katare, Mika; Mikkonen, Tommi.
Research output: Scientific - peer-review › Article

Using Building Plans and Self-Contained Sensors with GNSS Initialization for Indoor Navigation. / Kirkko-Jaakkola, Martti; Collin, Jussi; Takala, Jarmo.
Research output: Scientific - peer-review › Conference contribution

Visualizations as a Basis for Agile Software Process Improvement. / Lehtonen, Timo; Eloranta, Veli-Pekka; Leppänen, Marko; Isohanni, Essi.
Research output: Scientific - peer-review › Conference contribution

Without a Clue What Design It Leads to: Exploring and Understanding a City and Life within it by Walking. / Väätäjä, Heli.
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

Research output: Scientific - peer-review › Conference contribution