Rapid Customization of Image Processors Using Halide.
Research output: Scientific - peer-review › Conference contribution

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

Improving Code Density with Variable Length Encoding Aware Instruction Scheduling.
Research output: Scientific - peer-review › Article

Integer Linear Programming-Based Scheduling for Transport Triggered Architectures.
Research output: Scientific - peer-review › Article

Large-Scale Water Simulation in Games.
Tampere University of Technology, 2015. 91 p. (Tampere University of Technology. Publication; Vol. 1354).
Research output: Collection of articles › Doctoral Thesis

Istujat liikkumaan!
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.
Research output: Scientific - peer-review › Review Article

Free Innovation Environments: Lessons learned from the Software Factory Initiatives.
Research output: Scientific - peer-review › Conference contribution

Integrating UX Work in Agile Enterprise Software Development.
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.
Research output: Scientific - peer-review › Conference contribution

Exercise apps cure the sitting disease.
Research output: General public › Comment/debate
Research output: Scientific - peer-review » Conference contribution

Research output: Scientific - peer-review » Conference contribution

Hylli, Otto; Mattila, Anna-Liisa; Systä, Kari / Collecting issue management data for analysis with a unified model and API descriptions. 14th Symposium on Programming Languages and Software Tools. 2015. p. 251-265 (CEUR Workshop Proceedings; Vol. 1525).
Research output: Scientific - peer-review » Conference contribution

Research output: Scientific - peer-review » Conference contribution

Research output: Scientific - peer-review » Conference contribution

Research output: Collection of articles » Doctoral Thesis

Research output: Scientific - peer-review » Review Article

Research output: Scientific - peer-review » Conference contribution

Research output: Scientific » Article

Research output: Scientific - peer-review » Conference contribution

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

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

Mattila, Anna-Liisa; Luoto, Antti; Terho, Henri; Hylli, Jaakko; Sievi-Korte, Outi; Systä, Kari / Unified Model for Software Engineering Data.
Research output: Scientific - peer-review › Conference contribution

Kuusinen, Kati / Overcoming challenges in agile user experience work: Cross-case analysis of two large software organizations.
Research output: Scientific - peer-review › Conference contribution

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

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

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

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

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

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

Koskinen, Jukka Antero / E-learning of ethics, awareness, hacking and research by information security majors.
Research output: Scientific - peer-review › Conference contribution
Tuomi, Pauliina / Inviting the Audience: – Interactive, Participatory, and Social Television in Finland.
Research output: Collection of articles › Doctoral Thesis

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

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

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

Arnab, Sylvester; Ger, Pablo Moreno; Lim, Theodore; Lameras, Petros; Hendrix, Maurice; Kilii, Kristian; Hauge, Jannicke Baalsrud; Ninaus, Manuel; de Freitas, Sara; Mazzetti, Alessandro; Dahlbom, Anders; Degano, Cristina; 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; Hellenius, Marko; Mystakidis, Stelios / A Cross-Cultural and Gender-Based Perspective for Online Security: Exploring Knowledge, Skills and Attitudes of Higher Education Students.
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.
Research output: Scientific - peer-review › Conference contribution

Chaudhary, Sunil; Li, Linfeng; Berki, Eleni; Helenius, Marko; Kela, Juha; Turunen, Markku / Applying finite state process algebra to formally specify a computational model of security requirements in the key2phone-mobile access solution.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Henze, Niels; Olsson, Thomas; Schneegass, Stefan; Sahami, Alireza; Väänänen-Vainio-Mattila, Kaisa / Augmenting food with information.
Research output: Scientific - peer-review › Conference contribution

Väätäjä, Heli; Heimonen, Tomi; Tiitinen, Katariina; Hakulinen, Jaakko; Turunen, Markku / Benefits for supplier and customer with the help of logged usage data.
Research output: Professional › Chapter

Väätäjä, Heli / Characterizing Context of Use in Mobile Work.
Research output: Professional › Conference contribution

Väätäjä, Heli / Characterizing the Context of Use in Mobile Work.
Research output: Scientific - peer-review › Conference contribution

Taivalsaari, Antero; Mikkonen, Tommi / Cloud Technologies for the Internet of Things: Defining a Research Agenda Beyond the Expected Topics.
Research output: Scientific - peer-review › Conference contribution


Kannisto, Joona; Heikkinen, Seppo; Slavov, Kristian; Harju, Jamo / 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


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; Isohanni, Essi ; Sorva, Juha; Vihavainen, Arto / Do we know how difficult the rainfall problem is? 15th Koli Calling Conference on Computing Education Research. ACM, 2015. p. 87-96. Research output: Scientific - peer-review › Conference contribution


Ihantola, Petri; Vihavainen, Arto; Ahadi, Alireira; Butler, Matthew; Börstler, Jürgen; Edwards, Stephen H.; Isohanni, 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.


Turunen, Markku; Sonntag, Daniel; Engelbrecht, Klaus-Peter; Olsson, Thomas; Schnelle-Walka, Dirk; Lucero, Andrés / Interaction and humans in internet of things. Lecture Notes in Computer Science. Springer Verlag, 2015. p. 633-636 (Lecture Notes in Computer Science; Vol. 9299).


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; Killi, 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 Ecosystemability Perspective.
Research output: Scientific - peer-review › Conference contribution

Jääskeläinen, Pekka; De La Lama, Carlos Sánchez; Schnetter, Erik; Raiskila, Kalle; Takala, Jarmo; Berg, Heikki / pool: 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; Vilikko, 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.

Hartmann, Tilo; Wirth, Werner; Schramm, Holger; Klimmt, Christoph; Vorderer, Peter; Gyspers, Andre; Böcking, Saskia; Ravaja, Niklas; Laarni, Jari; Saari, Timo; Gouveia, Feliz; Sacau, Ana / The spatial presence experience scale (SPES): A short self-report measure for diverse media settings. In: Journal of Media Psychology, Vol. 28, No. 1, 2015.


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


Nuutinen, Maaria; Koskinen, Hanna; Seppänen, Marko; Kantola, Kalle; Lindborg, liro; Smedlund, Anssi; Kaasinen, Eija; Paunonen, Hannu; Ruotsalainen, Jouni; Oksanen, Jaakko; Jokinen, Jussi P.P.; Mannonen, Petri; Saariluoma, Pertti; Aikala, Maju; Savioja, Paula; Roto, Virpi; Lu, Yichen; Vasamo, Anna-Leena; Kuusi, Osmo; Uusitalo, Kero / User experience and usability in complex systems 2010-2015 : Final report 1/2015. Tampere : Fimecc, 2015. 225 p. (FIMECC publications series; Vol. 8/2015).
Laukkarinen, Teemu; Määttä, Lasse; Suhonen, Jukka; Hännikäinen, Marko / A Multi-Hop Software Update Method for Resource Constrained Wireless Sensor Networks. 
Research output: Scientific - peer-review » Chapter

Isohanni, Essi; Järvinen, Hannu-Matti / Are visualization tools used in programming education?: by whom, how, why, and why not? 
Research output: Scientific - peer-review » Conference contribution

Vääätäjä, 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.; Lehtiniemi, 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, Pia; Petrie, Helen; Power, Chris / Axe UX: Exploring Long-Term User Experience with iScale and AttrakDiff. 
Research output: Scientific - peer-review » Conference contribution

Workshop on the Interaction of UCD in Agile Development, in conjunction with NordiCHI 2014, The 8th Nordic Conference on Human-Computer Interaction, 26.-30.10.2014, Helsinki, Finland. Workshop on the Integration of UCD in
Research output: Scientific - peer-review › Conference contribution

Järvenpää, Toni; Suhonen, Katria; Jumisko-Pyykkö, Satu; Salmimaa, 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 › Conference contribution

Javed, Nadir; Silverajan, Bilhanan / Connectivity Emulation Testbed for IoT Devices and Networks.


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 › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Killi, Kristian; Ketamo, Harri; Kickmeier-Rust, Michael D. / Eye Tracking in Game-based Learning Research and Game Design.
Mäkitalo, Niko; Aaltonen, Timo; Mikkonen, Tommi / First Hand Developer Experiences of Social Devices.
Research output: Scientific - peer-review › Conference contribution

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

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

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

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

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

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

Fang, Jianbin; Sips, Henk; Jääskeläinen, Pekka; Varbanescu, Ana Lucia / Grover: Looking for Performance Improvement by Disabling Local Memory Usage in OpenCL Kernels.
Ahola, Jouko; Frühwirth, Christian; Helenius, Marko; Kutvonen, Lea; Myllylahti, Juho; Nyberg, Timo; Ari, Pietikäinen; Pietikäinen, Pekka; Röning, Juha; Ruohomaa, Sini; Särs, Camillo; Siiskonen, Tuuli; Vähä-Sipilä, Antti; Ville, Ylimannela / Handbook of the Secure Agile Software Development Life Cycle. JUVENES PRINT, 2014. 88 p.


Brusilovsky, Peter; Edwards, Stephen; Kumar, Amruth; Malmi, Lauri; Benotti, Luciana; Buck, Duane; Ihantola, Petri; Prince, Rikki; Sirkia, Teemu; Sosnovsky, Sergey; Urquiza, Jaime; Vihavainen, Arto; Wollowski, Michael / Increasing Adoption of Smart Learning Content for Computer Science Education. ITICSE-WGR '14 Proceedings of the Working Group Reports of the 2014 on Innovation & Technology in Computer Science Education Conference. ACM, 2014. p. 31-57 27.

Tokuda, Takehiro (Editor); Kiyoki, Yasushi (Editor); Jaakkola, Hannu (Editor); Yoshida, Naofumi (Editor) / Information Modelling and Knowledge Bases XXV. Amsterdam : IOS Press, 2014. (Frontiers in Artificial Intelligence and Applications; Vol. 260).
Vepsäläinen, Timo; Kuikka, Seppo / Integrated model-in-the-loop simulations to model-driven development in industrial control.
Research output: Scientific - peer-review › Article

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

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

Kilamo, Terhi; Nieminen, Antti; Lautamäki, Janne; Aho, Timo; Koskinen, Johannes; Palvainen, Jarmo; Mikkonen, Tommi / Knowledge transfer in collaborative teams: experiences from a two-week code camp.
Research output: Scientific - peer-review › Conference contribution

Kalli, Kristian; Tuomi, Pauliina; Koskela, Mikko; Earp, Jeffrey / Learning by Creating Educational Exergames: Creative Pedagogy That Gets Students Moving.
Research output: Scientific - peer-review › Chapter

Taivalsaari, Antero; Mikkonen, Tommi; Systä, Kari / Liquid Software Manifesto: The Era of Multiple Device Ownership and Its Implications for Software Architecture.
Research output: Scientific - peer-review › Conference contribution

Voutilainen, Jari-Pekka; Mattilka, Anna-Liisa; Mikkonen, Tommi / Lively3D: Building a 3D Desktop Environment as a Single Page Application.
Research output: Scientific - peer-review › Article

Helenius, Marko; Kannisto, Joona; Klijander, Harri; Nore, Ville / Location Sharing Patterns of Parents and Their Children.
Research output: Professional › Article

Savolainen, Teemu; Javed, Nadir; Silverajan, Bilhanan / Measuring Energy Consumption for RESTful Interactions in 3GPP IoT Nodes.
Research output: Scientific - peer-review › Conference contribution


Hylli, Otto; Lahtinen, Samuel; Systä, Kari; Ruokonen, Anna / Research Description for End-User Driven Service Compositions. 2014 IEEE 10th World Congress on Services, SERVICES, June 27 2014-July 2, 2014, Anchorage, AK, USA. IEEE, 2014. p. 11-17 (IEEE World Congress on Services).


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


Research output: Scientific - peer-review › Conference contribution


Research output: Scientific - peer-review › Conference contribution

Kymäläinen, Tiina; Sahar, Farrukh; Palviala, Jarno / White Knights of the Smart City. Workshop Proceedings of the 10th International Conference on Intelligent Environments. ed. / JC Augusto; T Zhang. IOS Press, 2014. p. 223-234 (Ambient Intelligence and Smart Environments; Vol. 18).

Research output: Scientific - peer-review › Conference contribution

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

Lokhman, Alexander; Mikkonen, Tommi; Hammouda, Imed; Kazman, Rick; Chen, Hong-Mei / **A Core-Periphery-Legality Architectural Style for Open Source System Development.**

Järvinen, Hannu-Matti / **Actions, Objects, and Subjects.**

Väätäjä, Heli; Sirkkunen, Esa; Ahvenainen, Mari / **A field trial on mobile crowdsourcing of news content: Factors influencing participation.**

Davidson, Pavel; Takala, Jarmo / **Algorithm for Pedestrian Navigation Combining IMU Measurements and Gait Models.**

Nurkka, Piia; Jumisko-Pyykkö, Satu / **A light-weight mixed method tool for remote UX evaluation: A case study of premium sports watch users.**

Valmari, Antti / **All Linear-Time Congruences for Familiar Operators.**

Väätäjä, Heli; Oja, Tuomas / **A mixed methods approach to a longitudinal study of user experience in the metals and engineering industry.**

Takahashi, Takeshi; Kannisto, Joona; Heikkinen, Seppo; Silverajan, Bilhanan; Hellenius, Marko; Matsuo, Shin’ichiro; Harju, Jarmo / **An Accountable Security Mechanism based on Security Service Level Agreement.**
Bhattacharyya, Shuvra (Editor); Deprettere, Ed (Editor); Leupers, Rainer (Editor); Takala, Jarmo (Editor) / Handbook of Signal Processing Systems.
Research output: Scientific - peer-review › Anthology

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

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

Bojja, Jayaprasad; Kirkko-Jaakkola, Martti; Collin, Jussi; Takala, Jarmo / Indoor 3D Navigation and Positioning of Vehicles in Multi-Storey Parking Garages.
Research output: Scientific - peer-review › Conference contribution

Collin, Jussi; Davidson, Pavel; Kirkko-Jaakkola, Martti; Leppäkoski, Helena / Inertial Sensors and Their Applications.
Research output: Scientific - peer-review › Chapter

Viitanen, Timo; Jääskeläinen, Pekka; Takala, Jarmo / Inexpensive Correctly Rounded Floating-Point Division and Square Root With Input Scaling.
Research output: Scientific - peer-review › Conference contribution

Senthilvelan, Murugappan; Sima, Mihai; Iancu, Daniel; Schulte, Michael; Glossner, John / Instruction Set Extensions for Matrix Decompositions on Software Defined Radio Architectures.
Research output: Scientific - peer-review › Article

Kellomäki, Timo / Interaction with Dynamic Large Bodies in Efficient, Real-Time Water Simulation.
Research output: Scientific - peer-review › Article

Vathsavayi, Sriharsha; Hadayuttullah, H.; Koskimies, Kai / Interleaving human and search-based software architecture design.
Research output: Scientific - peer-review › Article

Savolainen, Teemu; Soinen, Jonne; Silverajan, Bilhanan / IPv6 Addressing Strategies for IoT.
Research output: Scientific - peer-review › Article

Eloranta, Veli-Pekka; Koskinen, Johannes; Leppänen, Marko / Key Success Factors in Control System Software Architecture.

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

Cho, Inkeun; Patyk, Tomasz; Guevorkian, David; Takala, Jarmo; Bhattacharyya, Shuvra / Pipelined FFT for Wireless Communications Supporting 128-2048 / 1536 -Point Transforms. 1st IEEE Global Conference on Signal and Information Processing, GlobalSIP 2013, December 3-5, 2013, Austin, TX, USA. IEEE, 2013. p. 1242-1245 (IEEE Global Conference on Signal and Information Processing).

Research output: Scientific - peer-review › Conference contribution


Research output: Scientific - peer-review › Conference contribution


Research output: Scientific › Article


Research output: Scientific - peer-review › Article


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

Takahashi, Takeshi; Kannisto, Joona; Harju, Jarmo; Heikkinen, Seppo; Silverajan, Bilhanan; Helenius, Marko; Matsuo, Shin’ichiro / Tailored Security: Building Nonrepudiable Security Service-Level Agreements.

Salminen, Erno; Hämäläinen, Timo D. / Teaching System-on-Chip design with FPGAs.

Tuisku, Outi; Surakka, Veikko; Rantanen, Ville; Vanhala, Toni; Lekkala, Jukka / Text entry by gazing and smiling.

Valmari, Antti / The Asymptotic Behaviour of the Proportion of Hard Instances of the Halting Problem.

Voutilainen, Jari-Pekka; Mikkonen, Tommi / The Browser as a Host Environment for Visually Rich Applications.

Walsh, Tanja; Nurkka, Piia; Petrie, Helen; Olsson, Jaana / The Effect of Language in Answering Qualitative Questions in User Experience Evaluation Web-Surveys.

Kuusinen, Kati / The impact of user experience work on cloud software development.

Vihavainen, Sami; Väänänen-Vainio-Mattila, Kaisa / The Implications of Mobile Notifications for User Experience of a Social Network Service.

Foldes, Stephan / The Kraft Sum as a Monotone Function of the Refinement-Ordered Set of Uniquely Decipherable Codes.

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).


