Smile to save it: facial expressions for lifelogging
Research output: Scientific - peer-review › Conference contribution

MergeTree: A Fast Hardware HLBVH Constructor for Animated Ray Tracing
Research output: Scientific - peer-review › Article

Ethics as a skill of software engineer?
Research output: Scientific - peer-review › Conference contribution

Towards Framework for Choosing 360-degree Video SDK
Research output: Scientific - peer-review › Article

Fast Hardware Construction and Refitting of Quantized Bounding Volume Hierarchies
Research output: Scientific - peer-review › Article

Application system design - maintenance
Research output: Scientific - peer-review › Chapter

Nursing students’ experiential learning processes using an online 3D simulation game
Research output: Scientific - peer-review › Article

Yhteiskunnan arvomaailman muutos teknologian ja datan näkökulmasta
Research output: Professional › Conference contribution

Project types and industrial collaboration in project-based learning
Research output: Scientific - peer-review › Conference contribution

Low-energy algorithm for self-controlled wireless sensor nodes
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
Research output: Scientific - peer-review › Conference contribution
Integrating mobile orienteering to team forming activity in a software engineering course
Research output: Scientific - peer-review › Conference contribution

Longitudinal study on text entry by gazing and smiling
Research output: Scientific - peer-review › Conference contribution

Design-inclusive UX research: design as a part of doing user experience research
Research output: Scientific - peer-review › Article

Pointing and Selecting with Facial Activity
Tuisku, O., Rantanen, V., Spakov, O., Surakka, V. & Lekkala, J. Jan 2016 In : Interacting with Computers. 28, 1, p. 1-12
Research output: Scientific - peer-review › Article

A Case Study on Participatory Approach to Support Shift to Experience Design of Work Tools in B2B Context
Research output: Scientific - peer-review › Conference contribution

Digital storytelling promoting twenty-first century skills and student engagement
Niemi, H. & Multisilta, J. 2016 In : Technology, Pedagogy and Education. 25, 4, p. 451-468
Research output: Scientific - peer-review › Article

Embedded Linux Controlled Sensor Network
Research output: Scientific - peer-review › Conference contribution

Enabling Centralised Management of Local Sensor Data Refinement in Machine Fleets
Research output: Scientific - peer-review › Conference contribution

Exploring ScrumBut—An empirical study of Scrum anti-patterns
Research output: Scientific - peer-review › Article

How to Evaluate the Social Effects and User Experience of Systems Enhancing Collocated Interactions?
Research output: Scientific - peer-review › Conference contribution

Instrumentation-Driven Validation of Dataflow Applications
Research output: Scientific - peer-review › Article

Mobile Interactions Augmented by Wearable Computing: a Design Space and Vision
Private cloud deployment model in open-source mobile robots ecosystem
Research output: Scientific - peer-review › Conference contribution

Software Developers as Users: Developer Experience of a Cross-Platform Integrated Development Environment
Research output: Scientific - peer-review › Conference contribution

Towards Agile Enterprise Data Warehousing
Research output: Scientific - peer-review › Conference contribution

Context Awareness for Navigation Applications
Research output: Collection of articles › Doctoral Thesis

Dual-Mode Congestion Control Mechanism for Video Service
Research output: Scientific - peer-review › Conference contribution

Priority Queue Classes with Priority Update
Research output: Scientific - peer-review › Conference contribution

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

Editorial: is Game-Based Math Learning Finally Coming of Age?
Kiili, K., Devlin, K. & Multisilta, J. 8 Dec 2015 In : International Journal of Serious Games. 2, 4, 4 p., 1
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
Kellomäki, T. 4 Dec 2015 Tampere University of Technology. 91 p. (Tampere University of Technology. Publication; vol. 1354)
Istujat liikkumaan!
Ahtinen, A. Dec 2015 In : Tampereen Kauppakamarilehti. 6, p. 8 1 p.
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
Kuusinen, K. 6 Nov 2015 Tampere University of Technology. 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

Refactoring - a Shot in the Dark?
Research output: Scientific - peer-review › Article

Exercise apps cure the sitting disease
Ahtinen, A. 21 Oct 2015 In : Interface: Science Magazine. 2
Research output: General public › Comment/debate

LOGDIG Log File Analyzer for Mining Expected Behavior from Log Files
Research output: Scientific - peer-review › Conference contribution

Semantics analyzing expression editors in IP-XACT design tool Kactus2
Research output: Scientific - peer-review › Conference contribution

Collecting issue management data for analysis with a unified model and API descriptions
Research output: Scientific - peer-review › Conference contribution

ICDO: Integrated Cloud-based Development Tool for DevOps
Research output: Scientific - peer-review › Conference contribution
Decision-Making Framework for Refactoring
Research output: Scientific - peer-review › Conference contribution

Mobile Applications to Support Physical Exercise - Motivational Factors and Design Strategies
Ahtinen, A. 2 Oct 2015 Tampere University of Technology. 138 p. (Tampere University of Technology. Publication; vol. 1318)
Research output: Collection of articles › Doctoral Thesis

Visualizing Big Data with Augmented and Virtual Reality: Challenges and Research Agenda
Research output: Scientific - peer-review › Review Article

Global vs. Local - Experiences from a Distributed Software Project Course Using Agile Methodologies
Research output: Scientific - peer-review › Conference contribution

Suomalaisen digitaalisen television aikakausi on huomattavasti oletettua monipuolisempi
Research output: Scientific › Article

Continuous User Experience Development
Research output: Scientific - peer-review › Conference contribution

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

The Next Level of User Experience of Cloud Storage Services: Supporting Collaboration with Social Features
Research output: Scientific - peer-review › Conference contribution

Augmenting Technology Trees: Automation and Tool Support
Research output: Scientific - peer-review › Conference contribution

Unified Model for Software Engineering Data
Research output: Scientific - peer-review › Conference contribution

Overcoming challenges in agile user experience work: Cross-case analysis of two large software organizations
Research output: Scientific - peer-review › Conference contribution
Surveys of daily information security of citizens in Finland
Research output: Scientific - peer-review › Conference contribution

Understanding the most influential user experiences in successful and unsuccessful technology adoptions
Research output: Scientific - peer-review › Article

Mashing Up Software Issue Management, Development, and Usage Data
Research output: Scientific - peer-review › Conference contribution

Gathering useful programming data; Analysis and insights from real-time collaborative editing
Research output: Scientific - peer-review › Conference contribution

Data Intensive Computing: From Modeling to Implementation
Research output: Scientific › Editorial

Collaborative cloud-based management of home networks
Research output: Scientific - peer-review › Conference contribution

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

Inviting the Audience: – Interactive, Participatory, and Social Television in Finland
Research output: Collection of articles › Doctoral Thesis

Embedded Multi-Core Systems Dedicated to Dynamic Dataflow Programs
Research output: Scientific - peer-review › Article

On the Socio-Technical Dependencies in Free/Libre/Open Source Software Projects
Syeed, M. M. M. 29 May 2015 Tampere University of Technology. (Tampere University of Technology. Publication; vol. 1300)
Research output: Collection of articles › Doctoral Thesis

Efficient Use of Teaching Technologies with Programming Education
Ahoniemi, T. 28 May 2015 Tampere University of Technology. 133 p. (Tampere University of Technology. Publication; vol. 1301)
Research output: Collection of articles › Doctoral Thesis

Techniques and Practices for Software Architecture Work in Agile Software Development
Eloranta, V-P. 8 May 2015 Tampere University of Technology. 153 p. (Tampere University of Technology. Publication; vol. 1293)
Towards Open Data for Personal Web Tasking
Research output: Scientific - peer-review › Conference contribution

From the Internet of Things to the Internet of People
Research output: Scientific - peer-review › Article

The highways and country roads to continuous deployment
Research output: Scientific - peer-review › Article

A Comparison of Methods to Move Visual Objects Between Personal Mobile Devices in Different Contexts of Use
Research output: Scientific - peer-review › Conference contribution

A conceptual model towards the scaffolding of learning experience
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, S., Zhao, Y., Berki, E., Valtanen, J., Li, L., Helenius, M. & Mystakidis, S. 2015 In : IADIS International Journal on WWW/Internet. 13, 1, p. 57-71
Research output: Scientific - peer-review › Article

A Design Framework Enhancing Developer Experience in Collaborative Coding Environment
Research output: Scientific - peer-review › Conference contribution

A Diary Study on Combining Multiple Information Devices in Everyday Activities and Tasks
Research output: Scientific - peer-review › Conference contribution

Animal Welfare as a Design Goal in Technology Mediated Human-Animal Interaction
Research output: Scientific - peer-review › Conference contribution

Applying finite state process algebra to formally specify a computational model of security requirements in the key2phone-mobile access solution
Chaudhary, S., Li, L., Berki, E., Helenius, M., Kela, J. & Turunen, M. 2015 Lecture Notes in Computer Science. Springer Verlag, p. 128-145 18 p. (Lecture Notes in Computer Science; vol. 9128)
Research output: Scientific - peer-review › Conference contribution
CueSense: a Wearable Proximity-Aware Display Enhancing Encounters
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
Research output: Scientific - peer-review › Article

Culture-Aware Web Information System Development
Research output: Scientific - peer-review › Conference contribution

Data collector service - practical approach with embedded linux
Research output: Scientific - peer-review › Conference contribution

Data Correction for Seven Activity Trackers based on Regression Models
Research output: Scientific - peer-review › Conference contribution

Data driven ecosystem - Perspectives and problems
Research output: Scientific - peer-review › Conference contribution

Defining Metrics for Continuous Delivery and Deployment Pipeline
Research output: Scientific - peer-review › Conference contribution

Delayed key exchange for constrained smart devices
Research output: Scientific - peer-review › Conference contribution

Designing an Unobtrusive Analytics Framework for Monitoring Java Applications
Research output: Scientific - peer-review › Conference contribution

Designing Mobile Devices Encouraging and Supporting Collocated Interactions
Research output: Scientific - peer-review › Conference contribution
Design Patterns for Model-Driven Development
Research output: Scientific - peer-review › Article

Developing Novel Services for the Railway Station Area through Experience-Driven Design
Research output: Scientific - peer-review › Article

Do we know how difficult the rainfall problem is?
Research output: Scientific - peer-review › Conference contribution

Early Product Design in Startups: Towards a UX Strategy
Research output: Scientific - peer-review › Conference contribution

EDB: A Multi-Master Database for Liquid Multi-Device Software
Research output: Scientific - peer-review › Conference contribution

Educational Data Mining and Learning Analytics in Programming: Literature Review and Case Studies
Research output: Scientific - peer-review › Conference contribution

Effect of Carouseling on Angular Rate Sensor Error Processes
Research output: Scientific - peer-review › Article

Empowering Industrial Maintenance Personnel with Situationally Relevant Information using Semantics and Context Reasoning
Research output: Scientific - peer-review › Conference contribution

Experience-Driven Design of Ambiences for Future Pop Up Workspaces
Research output: Scientific - peer-review › Conference contribution

Explorative study of teaching programming to vocational teachers in Finland
Research output: Scientific - peer-review › Conference contribution

Exploring Attitudes, Knowledge and Competencies for Security Technology: A Cross-Cultural Survey in Higher Education
Research output: Scientific - peer-review › Conference contribution
Faster 128-EEA3 and 128-EIA3 Software
Research output: Scientific - peer-review › Conference contribution

Faster Software for Fast Endomorphisms
Research output: Scientific - peer-review › Conference contribution

From Apps to Liquid Multi-Device Software
Research output: Scientific - peer-review › Article

From Mobile to Wearable: Using Wearable Devices to Enrich Mobile Interaction
Research output: Scientific - peer-review › Conference contribution

Getting started with the experience design process
Research output: Professional › Chapter

High-Level Synthesis Design Flow for HEVC Intra Encoder on SoC-FPGA
Research output: Scientific - peer-review › Conference contribution

Indoor Localization Methods Using Dead Reckoning and 3D Map Matching
Research output: Scientific - peer-review › Article

In Search of the Emotional Design Effect in Programming
Research output: Scientific - peer-review › Conference contribution
Interaction and humans in internet of things
Research output: Scientific - peer-review › Conference contribution

Internal Marketplace as a Mechanism for Promoting Software Reuse
Research output: Scientific - peer-review › Conference contribution

Jossakin vuoti öljy, muualla tihkuivat tiedot - etiikka katoavien rajojen ja suurten skandaalien aikakaudella
Lilja, K. 2015 Silmät auki It-etiikkaan. EDUSKUNNAN TULEVAISUUSVALIOKUNTA, p. 85-101 16 p. (Eduskunnan tulevaisuuusvaliokunnan julkaisu; no. 12)
Research output: Scientific - peer-review › Chapter

Kvazaar HEVC encoder for Efficient Intra Coding
Research output: Scientific - peer-review › Conference contribution

Lean Startup Meets Software Product Lines: Survival of the Fittest or Letting Products Bloom?
Research output: Scientific - peer-review › Conference contribution

Learning Analytics Architecture to Scaffold Learning Experience through Technology-based Methods
Research output: Scientific - peer-review › Article

Lightweight Immaterial Particle Displays with Mid-Air Tactile Feedback
Research output: Scientific - peer-review › Conference contribution

Localization of Storyboards for Cross-cultural User Studies
Research output: Scientific - peer-review › Conference contribution

Managing software engineering competences with domain ontology for customer and team profiling and training
Research output: Scientific - peer-review › Conference contribution

On the Design of a Collaborative Online Development Environment
Nieminen, A. 2015 Tampere: Tampere University of Technology. 73 p. (Tampere University of Technology. Publication; vol. 1317)
Research output: Collection of articles › Doctoral Thesis

On the Design of a Responsive User Interface for a Multi-Device Web Service
Research output: Scientific - peer-review › Conference contribution

On the Role of Gamification and Localization in an Open Online Learning Environment: Javala Experiences
Research output: Scientific - peer-review › Conference contribution

Optimal operation of a three camera system on a four-wheel robot
Raunio, J-P., Ritala, R. & Välimäki, T. 2015 IMEKO XXI World Congress, Fundamental and Applied Metrology, Proceedings, August 31-September 4, 2015, Prague, Czech Republic. p. 968-973
Research output: Scientific - peer-review › Conference contribution

Pattern recognition with Spiking Neural Networks: a simple training method
Research output: Scientific - peer-review › Conference contribution

Patterns for Distributed Machine Control Systems
Research output: Scientific - peer-review › Conference contribution

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

Phishing knowledge based user modelling in software design
Research output: Scientific - peer-review › Conference contribution

Pluggable Systems as Architectural Pattern: An Ecosystemability Perspective
Research output: Scientific - peer-review › Conference contribution

pocll: A Performance-Portable OpenCL Implementation
Research output: Scientific - peer-review › Article

Proceedings of the 25th International Conference on Information Modelling and Knowledge Bases (EJC 2015), 8-12 June, 2015, Maribor, Slovenia
Research output: Scientific - peer-review › Anthology

Project- and product-oriented course
Research output: Scientific - peer-review › Conference contribution

Requirements, Architecture, and Quality in a Mission-Critical System: 12 Lessons Learned
Rolling Out a Mission Critical System in an Agilish Way: Reflections on Building a Large-Scale Dependable Information System for Public Sector

Service Architecture and Interface Design for Mobile Machine Parameter Optimization System

Smartphones as Personal Profile Providers: Enhancing Mobile App Architectures

Social Displays on Mobile Devices: Increasing Collocated People's Awareness of the User's Activities

Sosiaalinen media ja digitalisointi

Spicing Up Open Source Development with a Touch of Crowdsourcing

Supplier's Expectations on Usage Data Analytics of Complex Industrial Systems

Teaching Distributed Agile Development to Software Professionals: A Flexible Approach

Techniques for Genetic Software Architecture Design

Technologies for databases change management

Teollista Internetiä työkoneissa – palveluarkkitehtuuri suorituskyvyn optimointiin
The Fuzzy Front End of Experience Design: Workshop Proceedings
Research output: Professional › Anthology

The Fuzzy Front End of Experience Design: Eliciting and Communicating Experience Goals
Research output: Scientific - peer-review › Conference contribution

The Social Developer – Now, Then, and Tomorrow
Research output: Scientific - peer-review › Conference contribution

The spatial presence experience scale (SPES): A short self-report measure for diverse media settings
Research output: Scientific - peer-review › Article

Three Dimensional Volume Managers Replacing Window Managers in Augmented Reality Application Paradigm

To UML or not to UML? – Empirical Study on the Approachability of Software Architecture Diagrams
Research output: Scientific - peer-review › Conference contribution

Towards an ideal software engineering project course
Research output: Scientific - peer-review › Conference contribution

Towards blended learning: A case study
Research output: Scientific - peer-review › Conference contribution

Towards Deeper Understanding of User Experience with Ubiquitous Computing Systems: Systematic Literature Review and Design Framework
Research output: Scientific - peer-review › Conference contribution

Towards liquid web applications
Research output: Scientific - peer-review › Conference contribution

Towards Post-Agile Development Practices Through Productized Development Infrastructure
User experience and usability in complex systems 2010-2015: Final report 1/2015
Research output: Professional › Commissioned report

User experience goals as a guiding light in design and development – Early findings
Research output: Scientific - peer-review › Conference contribution

User Experience of Digital News: Two Semi-long Term Field Studies
Research output: Scientific - peer-review › Conference contribution

User Experience of Mobile Proximity-Based Applications for Playful Social Interaction
Research output: Scientific - peer-review › Conference contribution

Using video games to combine learning and assessment in mathematics education
Kili, K., Devlin, K., Perttula, A., Tuomi, S. & Lindstedt, A. 2015 In : International Journal of Serious Games. 2, 4
Research output: Scientific - peer-review › Article

UX sensors - Understanding the UX of complex systems through usage analysis
Research output: Professional › Chapter

UX work in startups: Current practices and future needs
Research output: Scientific - peer-review › Conference contribution

Vibrotactile Stimulation as an Instructor for Mimicry-Based Physical Exercise
Research output: Scientific - peer-review › Article

W2E - Wellness Warehouse Engine for Semantic Interoperability of Consumer Health Data
Research output: Scientific - peer-review › Article

Ways to Cross the Rubicon: Pivoting in Software Startups
Research output: Scientific - peer-review › Conference contribution
Adaptive Activity and Environment Recognition for Mobile Phones

A High Throughput LDPC Decoder using a Mid-range GPU


Are visualization tools used in programming education?: by whom, how, why, and why not?

Assessing Dog's experience in ACI

At the Edge of the Cloud: Improving the Coordination of Proactive Social Devices

A User Study: Is the Advection Step in Shallow Water Equations Really Necessary?

Automated Creation of Mobile Video Remixes: User Trial in Three Event Contexts

Automatic Crash Detection for Motor Cycles

Axe UX: Exploring Long-Term User Experience with iScale and AttrakDiff
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Conference/Journal</th>
<th>Page Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connectivity Emulation Testbed for IoT Devices and Networks</td>
<td>Javed, N. &amp; Silverajan, B.</td>
<td>Testbeds and Research Infrastructure: Development of Networks and Communities. 9th International ICST Conference, TridentCom 2014, Guangzhou, China, May 5-7, 2014, Revised Selected Papers. Springer</td>
<td></td>
</tr>
</tbody>
</table>
Content Generation in a Collaborative Browser-Based Game Environment
Research output: Scientific - peer-review › Chapter

Cross-Cultural Design of Mobile Mathematics Learning Service for South African Schools
Research output: Scientific - peer-review › Conference contribution

Decision-Centric Architecture Reviews
Research output: Scientific - peer-review › Article

Designing Distributed Control Systems: A Pattern Language Approach
Research output: Scientific - peer-review › Book

Developing Interactive Systems for Different Cultures: Issues of Assessing User Experience with Visual Materials
Research output: Scientific - peer-review › Conference contribution

Digital Identities and Accountable Agreements in Web Applications
Research output: Scientific - peer-review › Conference contribution

Distributed Indoor Positioning System With Inertial Measurements and Map Matching
Research output: Scientific - peer-review › Article

Distributed Knowledge Management Architecture and Rule Based Reasoning for Mobile Machine Operator Performance Assessment
Research output: Scientific - peer-review › Conference contribution

Editorial on Mobile and Panoramic Video in Education
Research output: Scientific › Article

Efficient Architecture Mapping of FFT/IFFT for Cognitive Radio Networks
Research output: Scientific - peer-review › Conference contribution
Efficient Mode Decision Schemes for HEVC Inter Prediction
Research output: Scientific - peer-review › Article

Efficient Software Synthesis of Dynamic Dataflow Programs
Research output: Scientific - peer-review › Conference contribution

Emmerdale netissä: Ohjelmakohtaisten sivustojen käyttötarkoituksen osana katselukokemusta
Research output: Scientific - peer-review › Article

Enabling Global, Dynamic Web-Based Software Reuse - Mashware Revisited
Research output: Scientific - peer-review › Conference contribution

Experience-Driven Design of Traveler Services in the Smart City
Research output: Scientific - peer-review › Conference contribution

Experiences from System-on-Chip design courses
Research output: Scientific - peer-review › Conference contribution

Exploring online customization of a high involvement experience product
Research output: Scientific - peer-review › Conference contribution

Exploring the Augmented Home Window – User Perceptions of the Concept
Research output: Scientific - peer-review › Conference contribution

Expressing Security Requirements: Usability of Taxonomy-based Requirement Identification Scheme
Research output: Scientific - peer-review › Conference contribution

Eye Tracking in Game-based Learning Research and Game Design
Research output: Scientific - peer-review › Article
First Hand Developer Experiences of Social Devices
Research output: Scientific - peer-review › Conference contribution

Flow Experience as a Quality Measure in Evaluating Physically Activating Collaborative Serious Games
Research output: Scientific - peer-review › Article

Flow Experience as a Quality Measure in Evaluating Physically Activating Collaborative Serious Games
Research output: Scientific - peer-review › Conference contribution

Flow in SGs
Research output: Professional › Commissioned report

From Agile Software Development to Mercury Business
Research output: Scientific - peer-review › Conference contribution

From architectural requirements towards an open architecture for web and mobile societal applications
Research output: Scientific - peer-review › Conference contribution

From Mashup Applications to Open Data Ecosystems
Research output: Scientific - peer-review › Conference contribution

Gamification of System-on-Chip Design
Research output: Scientific - peer-review › Conference contribution

Green Software: Greening What and How Much?
Research output: Scientific - peer-review › Article

Grover: Looking for Performance Improvement by Disabling Local Memory Usage in OpenCL Kernels
Research output: Scientific - peer-review › Conference contribution

Handbook of the Secure Agile Software Development Life Cycle
Heuristics for Greedy Transport Triggered Architecture Interconnect Exploration
Research output: Scientific - peer-review › Conference contribution

Hierarchical Architecture for Multi-Technology Wireless Sensor Networks for Critical Infrastructure Protection
Research output: Scientific - peer-review › Article

How Can Wearables Support Co-Located Social Interaction?
Research output: Scientific - peer-review › Conference contribution

How novices tackle their first lines of code in an IDE: analysis of programming session traces
Research output: Scientific - peer-review › Conference contribution

Identifying the User Experience Factors of a Multi-Component Sports Product
Research output: Scientific - peer-review › Conference contribution

IEEE 802.11AC MIMO Transmitter Baseband Processing on Customized VLIW Processor
Research output: Scientific - peer-review › Conference contribution

Increasing Adoption of Smart Learning Content for Computer Science Education
Research output: Scientific - peer-review › Conference contribution

Information Modelling and Knowledge Bases XXV
Research output: Scientific - peer-review › Anthology

Information Modelling and Knowledge Bases XXVI
Research output: Scientific - peer-review › Anthology

Integrated model-in-the-loop simulations to model-driven development in industrial control
Intercultural Collaboration in Virtual Environment


Knowledge transfer in collaborative teams: experiences from a two-week code camp

Learning by Creating Educational Exergames: Creative Pedagogy That Gets Students Moving

Liquid Software Manifesto: The Era of Multiple Device Ownership and Its Implications for Software Architecture

Lively3D: Building a 3D Desktop Environment as a Single Page Application

Location Sharing Patterns of Parents and Their Children

Measuring Energy Consumption for RESTful Interactions in 3GPP IoT Nodes

Measuring Retrospective User Experience of Non-Powered Hand Tools: Exploratory Remote Study with UX Curve

Mobile panoramic video applications for learning

Modeling the Multicultural Issues in Software Engineering Processes
Multicultural Adaptive Systems

On Designing UX for Mobile Enterprise Apps

Open Data - Opportunities and Challenges

Opiskelun etenemisen kartitushanke tietotekniikan koulutusohjelmassa

Opportunities and Challenges of Mobile Applications as "Tickets-to-Talk": A Scenario-Based User Study

Parallel programming of a symmetric Transport-Triggered Architecture with applications in flexible LDPC encoding

Patterns for Sharing Safety System Operation Responsibilities between Humans and Machines

Patterns for starting up a software startup company

Peleillä liikettä, luovuutta ja yhteisöllisyyttä koulupäivään

Programmable In-loop Deblock Filter Processor for Video Decoders
Strategies for Hazard Management Process
Research output: Scientific - peer-review › Conference contribution

Studying the User Experience of a Tablet Based Math Game
Research output: Scientific - peer-review › Article

Teknologian hyväksyttävyys älykkäiden koneiden työläksikössä. Loppuraportti Työsuojelurahaston tutkimus- ja kehittämishankkeesta (hankenumero 113103)
Research output: Professional › Commissioned report

Tool support for planning global software development projects
Research output: Scientific - peer-review › Conference contribution

Towards a contingency approach with whitelist- and blacklist-based anti-phishing applications: what do usability tests indicate?
Research output: Scientific - peer-review › Article

Towards an Open Architecture Model for Web and Mobile Software: Characteristics and Validity Properties
Research output: Scientific - peer-review › Conference contribution

Towards a Pattern Language for Software Start-ups
Research output: Scientific - peer-review › Conference contribution

Towards green power electronics: software controllers and domain knowledge
Research output: Scientific - peer-review › Conference contribution

Usefulness of Long-Term User Experience Evaluation to Product Development: Practitioners' Views from Three Case Studies
Research output: Scientific - peer-review › Conference contribution

User-Created Content as Mediator of Co-located Social Experiences
Research output: Scientific - peer-review › Conference contribution
User experience and expectations of haptic feedback in in-car interaction

Research output: Scientific - peer-review › Conference contribution

User Experience of Proactive Audio-Based Social Devices: a Wizard-of-Oz Study

Research output: Scientific - peer-review › Conference contribution

Using Adaptive Avatars for Visualizing Recent Music Listening History and Supporting Music Discovery

Research output: Scientific - peer-review › Conference contribution

Using Constraint Satisfaction and Optimization for Pattern-Based Software Design

Research output: Scientific - peer-review › Conference contribution

Variable Length Instruction Compression on Transport Triggered Architectures

Research output: Scientific - peer-review › Conference contribution

White Knights of the Smart City

Research output: Scientific - peer-review › Conference contribution

Who Contributes to What? Exploring Hidden Relationships between FLOSS Projects

Research output: Scientific - peer-review › Conference contribution

WOKE: A novel workflow model editor

Research output: Scientific - peer-review › Conference contribution

A Core-Periphery-Legality Architectural Style for Open Source System Development

Research output: Scientific - peer-review › Conference contribution

Actions, Objects, and Subjects
A field trial on mobile crowdsourcing of news content: Factors influencing participation
Research output: Scientific - peer-review › Conference contribution

Algorithm for Pedestrian Navigation Combining IMU Measurements and Gait Models
Davidson, P. & Takala, J. 2013 In : Gyroscopy and Navigation. 4, 2, p. 79-84 6 p.
Research output: Scientific - peer-review › Article

A light-weight mixed method tool for remote UX evaluation: A case study of premium sports watch users
Research output: Scientific - peer-review › Conference contribution

All Linear-Time Congruences for Familiar Operators
Valmari, A. 2013 In : Logical Methods in Computer Science. 9, 4, p. 1-34 34 p., 11
Research output: Scientific - peer-review › Article

A mixed methods approach to a longitudinal study of user experience in the metals and engineering industry
Research output: Scientific - peer-review › Conference contribution

An Accountable Security Mechanism based on Security Service Level Agreement
Research output: Scientific - peer-review › Conference contribution

An Action-Oriented Programming Model for Pervasive Computing in a Device Cloud
Research output: Scientific - peer-review › Conference contribution

An Embedded Cloud Design for Internet-of-Things
Research output: Scientific - peer-review › Article

Applying Lehman's laws to game evolution
Research output: Scientific - peer-review › Conference contribution

A secure OSGi environment for untrusted web applications
A User-Centric View of Intelligent Environments: User Expectations, User Experience and User Role in Building Intelligent Environments
Research output: Scientific - peer-review › Article

Bayesian analysis of GUHA hypotheses
Research output: Scientific - peer-review › Article

City Scene: Field Trial of a Mobile Street-imagery-based Navigation Service
Research output: Scientific - peer-review › Conference contribution

Cloud Browser: Enhancing the Web Browser with Cloud Sessions and Downloadable User Interface
Research output: Scientific - peer-review › Conference contribution

Cloud computing and its impact on mobile software development: Two roads diverged
Research output: Scientific - peer-review › Article

Code Oriented Approach to 3D Widgets
Research output: Scientific - peer-review › Conference contribution

Cognitive styles and visual quality
Research output: Scientific - peer-review › Conference contribution

Complementing Web Service Architecture
Research output: Scientific - peer-review › Chapter

Constructing Minimal Coverability Sets
Research output: Scientific - peer-review › Conference contribution

Customized TTA Processor for Efficient Implementation of Variable Length FFT in SDR Systems
Research output: Scientific - peer-review › Conference contribution
Demo Hour. DrawUX
Research output: Scientific › Article

Dependency Analysis and Visualization Tool for Kactus2 IP-XACT Design Framework
Research output: Scientific - peer-review › Conference contribution

Designing a 3D Widget Library for WebGL Enabled Browsers
Research output: Scientific - peer-review › Conference contribution

Designing for Presence in Social Television Interaction
Research output: Scientific - peer-review › Conference contribution

Designing User Experience for Mobile Apps: Long-Term Product Owner Perspective
Research output: Scientific - peer-review › Conference contribution

Developing Client-Side Mashups: Experiences, Guidelines and Reference Architecture
Research output: Scientific - peer-review › Article

Developing Cloud Software : Algorithms, Applications, and Tools
Research output: Scientific - peer-review › Anthology

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

Energy Recovery and Logical Reversibility in Adiabatic CMOS Multiplier
Research output: Scientific - peer-review › Conference contribution

Exploring Usage Scenarios on Social Devices : Balancing Between Surprise and User Control
Research output: Scientific - peer-review › Conference contribution

Extending IP-XACT to embedded system HW/SW Integration
Research output: Scientific - peer-review › Conference contribution
External Behaviour of Systems of State Machines with Variables

Framework for Industrial Embedded System Product Development and Management

General-Purpose DSP Processors

Good to Know about the Efficiency of State Space Methods

Guest Editors' Introduction to Special Issue on Advances in DSP Systems Design

Handbook of Signal Processing Systems

HTML5 Agents - Mobile Agents for the Web

Implementing artificial intelligence: a generic approach with software support

Indoor 3D Navigation and Positioning of Vehicles in Multi-Storey Parking Garages

Inertial Sensors and Their Applications

Inexpensive Correctly Rounded Floating-Point Division and Square Root With Input Scaling
Instruction Set Extensions for Matrix Decompositions on Software Defined Radio Architectures

Interaction with Dynamic Large Bodies in Efficient, Real-Time Water Simulation

Interleaving human and search-based software architecture design

IPV6 Addressing Strategies for IoT

Key Success Factors in Control System Software Architecture

Landmarks for the User Experience in the Cloud

Little Backpackers - Studying Children's Psychological Needs in an Interactive Exhibition Context

Long-Term Product Line Sustainability with Planned Staged Investments

Low Complexity Algorithm for Inversion of Special Matrices in SDR Systems

Low-Power Application-Specific FFT Processor for LTE Applications
Low-Power Wireless Sensor Network Platforms
Research output: Scientific - peer-review › Chapter

Media experience as a predictor of future news reading
Research output: Scientific - peer-review › Article

Method to Convert Analog Filters to Digital Filters
Research output: Scientific - peer-review › Conference contribution

Mobile Agents for the Internet of Things
Research output: Scientific - peer-review › Conference contribution

Mobile Devices as Infotainment User Interfaces in the Car: Contextual Study and Design Implications
Research output: Scientific - peer-review › Conference contribution

Models of Irreversibility For Binary Adders
Research output: Scientific - peer-review › Conference contribution

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

On the Transition from the Web to the Cloud
Research output: Scientific - peer-review › Conference contribution

Open Source Legality Compliance of Software Architecture, A Licensing Profile Approach
Research output: Scientific - peer-review › Conference contribution

Personal content in online sports communities: motivations to capture and share personal exercise data
Research output: Scientific - peer-review › Article
Pipelined FFT for Wireless Communications Supporting 128-2048 / 1536-Point Transforms
Research output: Scientific - peer-review › Conference contribution

Planning Global Software Development Projects Using Genetic Algorithms
Research output: Scientific - peer-review › Conference contribution

Profiling EEMBC MultiBench Programs In 64-Core Machine
Research output: Scientific › Article

Recommendations for using Simulated Annealing in task mapping
Research output: Scientific - peer-review › Article

Reflections on Experience-Driven Design: a Case Study on Designing for Playful Experiences
Research output: Scientific - peer-review › Conference contribution

Roles, Scenarios and Challenges of Social Devices
Research output: Scientific - peer-review › Conference contribution

Scrum Anti-patterns - An Empirical Study
Research output: Scientific - peer-review › Conference contribution

Security, Usability and Energy-Efficiency Requirements for Different Use-cases of the Interactive 360 Panorama Video Player
Research output: Scientific - peer-review › Conference contribution

Sentence Completion for Understanding Users and Evaluating User Experience
Research output: Scientific - peer-review › Article

Service Composition for End-Users
Research output: Scientific - peer-review › Conference contribution
Simplified Floating-Point Division and Square Root
Research output: Scientific - peer-review › Conference contribution

Simulated Annealing for Aiding Genetic Algorithm in Software Architecture Synthesis
Research output: Scientific - peer-review › Article

Six Enablers of Instant Photo Sharing Experiences in Small Groups Based on the Field Trial of Social Camera
Research output: Scientific - peer-review › Conference contribution

Social Devices as a New Type of Social System: Enjoyable or Embarrassing Experiences?
Research output: Scientific - peer-review › Conference contribution

Software Verification with Next Generation DisCo Specifications
Research output: Scientific - peer-review › Conference contribution

Systematic Method to Convert of Analog Filters to Digital Filters
Research output: Scientific - peer-review › Conference contribution

Tailored Security: Building Nonrepudiable Security Service-Level Agreements
Research output: Scientific - peer-review › Article

Teaching System-on-Chip design with FPGAs
Research output: Scientific - peer-review › Conference contribution

Text entry by gazing and smiling
Research output: Scientific - peer-review › Article

The Asymptotic Behaviour of the Proportion of Hard Instances of the Halting Problem
Research output: Scientific - peer-review › Conference contribution
The Browser as a Host Environment for Visually Rich Applications
Research output: Scientific - peer-review › Conference contribution

The Effect of Language in Answering Qualitative Questions in User Experience Evaluation Web-Surveys
Research output: Scientific - peer-review › Conference contribution

The impact of user experience work on cloud software development
Research output: Scientific - peer-review › Article

The Implications of Mobile Notifications for User Experience of a Social Network Service
Research output: Scientific - peer-review › Article

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

The role of community in exercise: cross-cultural study of online exercise diary users
Research output: Scientific - peer-review › Conference contribution

Towards a Reference Architecture for Server-side Mashup Ecosystem
Research output: Scientific - peer-review › Conference contribution

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

Towards pervasive mashups in embedded devices: comparing procedural and declarative approach
Research output: Scientific - peer-review › Article

Towards run-time actor mapping of dynamic dataflow programs onto multi-core platforms
Research output: Scientific - peer-review › Conference contribution

Turbo Decoding on Tailored OpenCL Processor
Use of compiler optimization of software bypassing as a method to improve energy efficiency of exposed data path architectures

User Experience and Usage Scenarios of Audio-Tactile Interaction with Virtual Objects in a Physical Environment

User Experiences of Mobile Audio Conferencing with Spatial Audio, Haptics and Gestures

Using aspects for testing of embedded software: experiences from two industrial case studies

Using Building Plans and Self-Contained Sensors with GNSS Initialization for Indoor Navigation

Visualizations as a Basis for Agile Software Process Improvement

Without a Clue What Design It Leads to: Exploring and Understanding a City and Life within It by Walking

Briefing news reporting with mobile assignments - Perceptions, needs and challenges

Comprehending co-evolution of OSS projects: Analytical methods and tool support

Human Machine Interface Patterns For Distributed Machine Control Systems