

Idea-space

A use case of collaborative course development in higher education

Full-Duplex Radio - Increasing the Spectral Efficiency for Military Applications

IEEE 802.11ac MIMO Transceiver Baseband Processing on a VLIW Processor

Novel approaches to crawling important pages early

ALMARVI System Solution for Image and Video Processing in Healthcare, Surveillance and Mobile Applications

A coordination-based brokerage architecture for multi-cloud resource markets

Memory Tampering Attack on Binary GCD Based Inversion Algorithms

Are architectural smells independent from code smells? An empirical study

Innovative e-Tourism Services on Top of Geo2Tag LBS Platform

Guest editorial special issue on the internet of nano things

On the diffuseness of technical debt items and accuracy of remediation time when using SonarQube

Measurements of Mobile Blockchain Execution Impact on Smartphone Battery

Data Flow Algorithms for Processors with Vector Extensions
Handling Actors With Internal State

Data flow algorithms for processors with vector extensions
Handling actors with internal state

Op2A

Assessing the quality of the portal of open source software products

Performance evaluation of bandwidth reservation for mmWave 5G NR systems

Overview of the MPEG reconfigurable video coding framework

A Hybrid Task Graph Scheduler for High Performance Image Processing Workflows

Evaluation of real-time LBP computing in multiple architectures

Countering bioterrorism

Why smart buildings should have a code of ethics

Towards generic embedded multiprocessing for RVC-CAL dataflow programs

Automatic hierarchical discovery of quasi-static schedules of RVC-CAL dataflow programs

Quasi-static scheduling of CAL actor networks for reconfigurable video coding

Design Flow for GPU and Multicore Execution of Dynamic Dataflow Programs

An image generator platform to improve cell tracking algorithms simulation of objects of various morphologies, kinetics and clustering

The comfort zone concept in a human-robot cooperative task

Instrumentation-Driven Validation of Dataflow Applications

Towards a novel comparison framework of digital maturity assessment models

[COMMODE] a large-scale database of molecular descriptors using compounds from PubChem

Enterprise architecture institutionalization
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Institutional Perspectives on the Process of Enterprise Architecture Adoption

Accurate depth estimation from a sequence of monocular images supported by proprioceptive sensors

Computer vision aided navigation systems

Motivating scholars' responses in academic social networking sites
An empirical study on ResearchGate Q&A behavior

Who contributes what? Scrutinizing the activity data of 4.2 million Zhihu users via immersion scores

Application and theory of Petri nets and other models of concurrency
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Global information processing in gene networks
Fault tolerance

An evaluation of the virtual curvature with the StickGrip haptic device
A case study

Estimating topographic heights with the StickGrip haptic device

Interpretation of ambiguous images inspected by the StickGrip device

Sparse nonparametric topic model for transfer learning

IT capability and firm performance
The mediating roles of interaction praxis

Social media overload, exhaustion, and use discontinuance
Examining the effects of information overload, system feature overload, and social overload

Architecting liquid software

Extending the life of virtual heritage
Reuse of TLS point clouds in synthetic stereoscopic spherical images

Quantitative + qualitative information for heritage conservation
An open science research for paving 'collaboratively' the way to historical-BIM

Prototyping directional UAV-based wireless access and backhaul systems

WeSlide
Gestural text entry for elderly users of interactive television

Modeling mmWave Channels in High-Fidelity Simulations of Unmanned Aerial Systems

Game-theoretic semantics for ATL^+ with applications to model checking

People Counting in a Public Event—Use Case: Free-to-Ride Bus

Exploiting statically schedulable regions in dataflow programs

Monitoring of production processes and the condition of the production equipment through the internet

Why do people use gamification services?

Why do people buy virtual goods? Attitude toward virtual good purchases versus game enjoyment

Why do people play games? A meta-analysis

Seek, share, or withhold
information trading in MMORPGs

Social behavior in bacterial nanonetworks
Challenges and opportunities

Toward Efficient Execution of RVC-CAL Dataflow Programs on Multicore Platforms

Zeffiro User Interface for Electromagnetic Brain Imaging
a GPU Accelerated FEM Tool for Forward and Inverse Computations in Matlab

Developing curiosity and multimedia skills with programming experiments

Teaching for virtual work

Just-in-time scheduling techniques for multicore signal processing systems

AEx

Automated Customization of Exposed Datapath Soft-Cores

UX work in startups

Current practices and future needs

Minimum viable user experience

A framework for supporting product design in startups

Bit error rate of underlay decode-and-forward cognitive networks with best relay selection

Multiresolution analysis for compactly supported interpolating tensor product wavelets

Compressed video quality assessment with modified MSE

Lossless compression of regions-of-interest from retinal images

Power Mitigation by Performance Equalization in a Heterogeneous Reconfigurable Multicore Architecture

Wealthy, healthy and/or happy —what does 'ecosystem health' stand for?

The influence of developer multi-homing on competition between software ecosystems

Revenue models of application developers in android market ecosystem

Automatically detectable indicators of programming assignment difficulty

Graph Embedded Extreme Learning Machine

Multidimensional sequence classification based on fuzzy distances and discriminant analysis

Multi-view human action recognition: A survey

Representative class vector clustering-based discriminant analysis

Cosparsity dictionary learning for the orthogonal case

Openness as a method for game evolution

Today is the future of yesterday; What is the future of today?

The educators' telescope to the future of technology

Artificial intelligence yesterday, today and tomorrow

Task-based information interaction evaluation
The viewpoint of program theory

Lean software startup – an experience report from an entrepreneurial software business course

Performance Comparison of Decision Fusion Strategies in BMMF-based Image Quality Assessment
Julkaisun otsikon käännös: : Performance Comparison of Decision Fusion Strategies in BMMF-based Image Quality Assessment

Using elicitation studies to generate collocated interaction methods

Classification of iPSC colony images using hierarchical strategies with support vector machines

Can e-government solutions enhance the work in municipalities?: empirical evidence from case lupapiste

Incorporating Aircraft Kinematics and Radar Cross Section into the Performance Prediction of Air Surveillance

Social networking services as a facilitator for scientists' sharing activities

Information Exchange Architecture for Collaborative Industrial Ecosystem

Mapping parameterized cyclo-static dataflow graphs onto configurable hardware

Browsing patterns in retrieved documents

Experiences from development of security audit criteria

Model for efficient development of security audit criteria

Social media -based value creation and business models

How the Cathedral Embraced the Bazaar, and the Bazaar Became a Cathedral

Implementation of a Multirate Resampler for Multi-carrier Systems on GPUs

Adaptive and nonlinear control of discharge pressure for variable displacement axial piston pumps

Achievable rate regions and self-interference channel estimation in hybrid full-duplex/half-duplex radio links

Asymmetric full-duplex with contiguous downlink carrier aggregation

Is it a tool or a toy? How user conceptions of a system's purpose affect their experience and use

Dual information systems
A review of factors affecting their use

Can we get some service here?
On the company transformation from a software vendor to a SaaS provider

Mobility-Centric Analysis of Communication Offloading for Heterogeneous Internet of Things Devices

Trails across the heterogeneous information environment
Manual integration patterns of search systems in molecular medicine

Barriers to task-based information access in molecular medicine

Information interaction in molecular medicine
Integrated use of multiple channels

Emptiness problems for distributed automata

Applying SCRUM in an OSS development process
An empirical evaluation

OP2A
How to improve the quality of the web portal of open source software products

Prioritizing corrective maintenance activities for android applications
An industrial case study on android crash reports

A dynamical quality model to continuously monitor software maintenance

Functional size measures and effort estimation in agile development
A replicated study

Some SonarQube issues have a significant but small effect on faults and changes. A large-scale empirical study

Does migrating a monolithic system to microservices decrease the technical debt?

Does code quality affect pull request acceptance? An empirical study

Lage und Zukunft des wissenschaftlichen Nachwuchses
Eine Stellungnahme des Beirats des Wissenschaftlichen Nachwuchses (WiN) der Gesellschaft für Informatik (GI e.V.)

Parallel Digital Predistortion Design on Mobile GPU and Embedded Multicore CPU for Mobile Transmitters

Facial Payment Use in China
An Integrated View of Privacy Concerns and Perceived Benefits

PAC it Up
Towards pointer integrity using ARM pointer authentication

Utilizing MOOCs in the development of education and training programs

Open data based value networks
Finnish examples of public events and agriculture

Intelligent data service for farmers

Disentangling utilitarian and hedonic consumption behavior in online shopping
An expectation disconfirmation perspective

Passive condition pre-enforcement for rights exporting

Characterizing trustworthy digital rights exporting

DevOps in practice
A multiple case study of five companies

Guest Editorial Special Issue on Multimedia Big Data in Internet of Things

Cascade of Boolean detector combinations

Why do we need this? Roles in the information system acquisition legitimation process

Improving the delivery cycle
A multiple-case study of the toolchains in Finnish software intensive enterprises

Action-Oriented Programming Model
Collective Executions and Interactions in the Fog

Correlates of social media fatigue and academic performance decrement
A large cross-sectional study

Definition of key performance indicators for energy efficient assessment in the transport sector

Parameters affecting the energy performance of the transport sector in smart cities

Methodology for energy efficiency assessment in the transport sector for smart cities

Multi-user techniques in visible light communications
A survey

A Practical Perspective on 5G-Ready Highly Dynamic Spectrum Management with LSA

Special Issue on Embedded Computer Systems: Architectures, Modeling and Simulation

Federation lifecycle management incorporating coordination of bio-inspired self-management processes

Socially inspired relaying and proactive mode selection in mmWave vehicular communications

Towards certifying the testing process of open-source software
New challenges or old methodologies?

How to design gamification? A method for engineering gamified software

A model for assessing learning management system success in higher education in sub-saharan Countries

Color-distribution similarity by information theoretic divergence for color images

A review of connectivity map and computational approaches in pharmacogenomics

Mobiscool
1st workshop on mobile, social and culturally oriented learning

SiMPE
7th Workshop on speech and sound in mobile and pervasive environments

Vehicle Attribute Recognition by Appearance
Computer Vision Methods for Vehicle Type, Make and Model Classification

Educating future coders with a holistic ICT curriculum and new learning solutions

Elementary math to close the digital skills gap

Digital storytelling promoting twenty-first century skills and student engagement

Timely report production from WWW data sources

Complex elevator system DSM-case for a DSM design sprint

Low-Power Reconfigurable Miniature Sensor Nodes for Condition Monitoring

Reliability-centric analysis of offloaded computation in cooperative wearable applications

Challenges of Multi-Factor Authentication for Securing Advanced IoT Applications

Periodic finite state controllers for efficient POMDP and DEC-POMDP planning

Towards secure cloud orchestration for multi-cloud deployments

'One of our hosts in another country'
Challenges of data geolocation in cloud storage

Sweep Jamming Mitigation Using Adaptive Filtering for Detecting Frequency Agile Systems

Digital Predistortion for 5G Small Cell
GPU Implementation and RF Measurements

Soziale Wissensumgebungen

The magical "we"
Enhancing collaboration transparency in grounded theory method in information systems research

User Experience of Digital News
Two Semi-long Term Field Studies

Constructing Minimal Coverability Sets

IT engagement as a blessing and a curse? Examining its antecedents and outcomes in organizations

Concept design and performance evaluation of UAV-based backhaul link with antenna steering

Data Vault Mappings to Dimensional Model Using Schema Matching

Towards the Utilization of Crowdsourcing in Traffic Condition Reporting

On the prospects of full-duplex military radios

First-principles data set of 45,892 isolated and cation-coordinated conformers of 20 proteinogenic amino acids

Optimized wake-up scheme with bounded delay for energy-efficient MTC

Trading exploits online
A preliminary case study

Software vulnerability life cycles and the age of software products
An empirical assertion with operating system products

A post-mortem empirical investigation of the popularity and distribution of malware files in the contemporary web-facing internet

A Framework for Using Radar Measurements of Unknown Targets in Hierarchical Classification

Scinet
Interactive intent modeling for information discovery

Task complexity and information searching in administrative tasks revisited

Dynamic Resource Sharing in 5G with LSA
Criteria-Based Management Framework

Simultaneous Jamming and RC System Detection by Using Full-Duplex Radio Technology

Variation in noun and pronoun frequencies in a sociohistorical corpus of English

Dynamic Activities for Managing an IS-Enabled Organizational Change

Technostress and social networking services
Uncovering strains and their underlying stressors

Topological patterns for scalable representation and analysis of dataflow graphs

Analysis of an efficient parallel implementation of active-set Newton algorithm

Video coding of dynamic 3D point cloud data

Security Analysis of Various Industrial Devices

Farm detection based on deep convolutional neural nets and semi-supervised green texture detection using VIS-NIR satellite image

Evaluation of SPMA and higher order sectorization for homogeneous SIR through macro sites

Impact of antenna radiation pattern variation on the performance of SPMA at 28 GHz

Macro cellular network transition from traditional frequency range to 28 GHz millimeter wave frequency band

Challenges and recommended practices for software architecting in global software development

Software architecture design in global software development
An empirical study

Interpretation, Modeling and Visualization of Crowdsourced Road Condition Data

Creating resource combinations based on formally described hardware interfaces

Portable sensor system for reliable condition measurement

A Study on an Evolution of a Data Collection System for Knowledge Representation

Ecosystems Here, There, and Everywhere — A Barometrical Analysis of the Roots of ‘Software Ecosystem’

Eeny, Meeny, Miny, Mo...
A multiple case study on selecting a technique for user-interaction data collecting

Hand gesture-based on-line programming of industrial robot manipulators

KPI-ML based integration of industrial information systems

Comparing requirements decomposition within the Scrum, Scrum with Kanban, XP, and Banana development processes

Towards a lean approach to reduce code smells injection
An empirical study

How developers perceive smells in source code
A replicated study

The Web as a software platform
Ten years later

Client-Side Cornucopia
Comparing the Built-In Application Architecture Models in the Web Browser

DNA Molecular Storage System
Transferring Digitally Encoded Information through Bacterial Nanonetworks

Using the entity-attribute-value model for olap cube construction

Comparison of Feature Selection Techniques in Machine Learning for Anatomical Brain MRI in Dementia

Experimenting traditional and modern reliability models in a 3-years european software project

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

Characterizing Context of Use in Mobile Work

Perceived Impacts as User Experience Components in Mobile News Making with Smartphones

Opportunities and needs for logged usage data analytics of complex industrial systems

Exploiting the Momentary Dependence of Radar Observations for Non-Cooperative Target Recognition

On constructibility and unconstructibility of LTS operators from other LTS operators

Fair testing and stubborn sets

The Fuzzy Front End of Experience Design: Eliciting and Communicating Experience Goals

Design Patterns for Model-Driven Development

Analysis of source code snapshot granularity levels

Performance gains from web performance optimization
Case including the optimization of webpage resources in a comprehensive way

Internet of Things
Opportunities for vocational education and training: Presentation of the pilot project

Paradoxes, conflicts and tensions in establishing master data management function

Connected and Multimodal Passenger Transport Through Big Data Analytics
Case Tampere City Region, Finland

Parameterized scheduling of topological patterns in signal processing dataflow graphs

Model-Based Dynamic Scheduling for Multicore Signal Processing

VR shopping
A review of literature

Visibility-Aware Part Coding for Vehicle Viewing Angle Estimation

Optimization of Flexible Filter Banks Based on Fast Convolution

To network or not to network? Analysis of the Finnish software industry-A networking approach

Integration of dataflow-based heterogeneous multiprocessor scheduling techniques in GNU radio

Still image/video frame lossy compression providing a desired visual quality

Outlier edge detection using random graph generation models and applications

Samsung and Volkswagen crisis communication in Facebook and Twitter
A comparative study

Blockchain Technology for Smartphones and Constrained IoT Devices
A Future Perspective and Implementation