Analysis of common rail pressure signal of dual-fuel large industrial engine for identification of injection duration of pilot diesel injectors
Research output: Scientific - peer-review › Article

A method for analyzing practicing managers' perception on the disruptive nature of digitalization in machine-building industry
Research output: Scientific - peer-review › Conference contribution

Mechanisms of disruptive technological change: Case studies in transformation of traditional industries
Research output: Scientific - peer-review › Conference contribution

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

Integrating micro-level interactions with social network analysis in tie strength research: the edge-centered approach
Research output: Scientific - peer-review › Conference contribution

Using crowdfunding for extracting feedback: literature review
Research output: Scientific - peer-review › Conference contribution

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

A Machine Learning Framework for Performance Prediction of an Air Surveillance System
Research output: Scientific - peer-review › Conference contribution

Improving the Estimation Accuracy and Computational Efficiency of ISAR Range Alignment
Research output: Scientific - peer-review › Conference contribution

Concurrent Execution System for Action Languages
Research output: Scientific - peer-review › Conference contribution

Ecosystem approach on medical game development: The relevant actors, value propositions and innovation barriers
Research output: Scientific - peer-review › Conference contribution

**Ethics as a skill of software engineer?**  

Research output: Scientific - peer-review › Conference contribution

**Microlens image sparse modelling for lossless compression of plenoptic camera sensor images**  

Research output: Scientific - peer-review › Conference contribution

**Problems of enterprise architecture adoption in the public sector: root causes and some solutions**  

Research output: Scientific - peer-review › Chapter

**Towards Framework for Choosing 360-degree Video SDK**  

Research output: Scientific - peer-review › Conference contribution

**Fast Hardware Construction and Refitting of Quantized Bounding Volume Hierarchies**  

Research output: Scientific - peer-review › Article

**A bibliometric study on authorship trends and research themes in knowledge management literature**  

Research output: Scientific - peer-review › Conference contribution

**Learning of a tracker model from multi-radar data for performance prediction of air surveillance system**  

Research output: Scientific - peer-review › Conference contribution

**Foundational eHealth Curricula for the health care workforce**  

Research output: Professional › Paper, poster or abstract

**Explaining the challenges in ERP development networks with triggers, root causes, and consequences**  

Research output: Scientific - peer-review › Article

**Challenges of collecting B2B customer insight from multiple channels**  

Research output: Scientific - peer-review › Conference contribution

**Application system design - maintenance**  

Research output: Scientific - peer-review › Chapter
Visualizing the Geography of Platform Boundary Resources: The Case of the Global API Ecosystem

Research output: Scientific - peer-review › Conference contribution

Analysing the role of crowdfunding in entrepreneurial ecosystems: A social media event study of two competing product launches

Research output: Scientific - peer-review › Article

Application for pre-processing and visualization of electrodermal activity wearable data

Research output: Scientific - peer-review › Conference contribution

Digitaalinen alustatalous

Research output: Professional › Chapter

Forecasting sales in industrial services: modeling business potential with installed base information
Stormi, K., Laine, T., Suomala, P. & Elomaa, T. 2017 In : JOURNAL OF SERVICE MANAGEMENT.

Research output: Scientific - peer-review › Article

Forecasting stock prices from limit order book using convolutional neural networks

Research output: Scientific - peer-review › Conference contribution

Infrastructures, integration and architecting during and after digital transformation

Research output: Scientific - peer-review › Chapter

Master data management and its organizational implementation: an ethnographical study within the public sector

Research output: Scientific - peer-review › Article

MULTI-POS: Lessons Learnt from Fellows and Supervisors

Research output: Scientific - peer-review › Chapter

Nursing students’ experiential learning processes using an online 3D simulation game

Research output: Scientific - peer-review › Article

Pyramid Encoding for Fast Additive Quantization
Robust Direction Estimation with Convolutional Neural Networks-based Steered Response Power

Strengthening social ties via ICT in the organization

Systematic literature review on enterprise architecture in the public sector

Teollinen internet ja semanttinen mallinnus

Time-series classification using neural bag-of-features

Using enterprise architecture artefacts in an organisation
Niemi, E. & Pekkola, S. 2017 In : Enterprise Information Systems. 11, 3, p. 313-338

Yhteiskunnan arvomaailman muutos teknologian ja datan näkökulmasta

Assessing business learning by analysing ERP simulation log files

Processing Data for Visual Network Analysis

Rakennetun ympäristön sähköinen asiointipalvelu kuntien tiedolla johtamisen vauhdittajana

Training Radial Basis Function Neural Networks for Classification via Class-specific Clustering
Raitoharju, J., Kiranyak, S. & Gabbouj, M. Dec 2016 In : IEEE Transactions on Neural Networks and Learning Systems . 27, 12, p. 2458-2471
Project types and industrial collaboration in project-based learning
Research output: Scientific - peer-review › Conference contribution

The nexus between social media behaviour, negative consumer emotions and brand disloyalty
Research output: Scientific › Paper, poster or abstract

Perceived risks in social media use – a longitudinal study among university students.
Research output: Scientific - peer-review › Conference contribution

Can e-government solutions enhance the work in municipalities?: empirical evidence from case lupapiste
Research output: Scientific - peer-review › Conference contribution

Identifying weak ties from publicly available social media data in an event
Research output: Scientific - peer-review › Conference contribution

The 5C categorization of social media tools
Research output: Scientific - peer-review › Conference contribution

Low-energy algorithm for self-controlled wireless sensor nodes
Research output: Scientific - peer-review › Conference contribution

Sosiaalinen media brändi- ja asiakastiedon lähteenä
Research output: Scientific › Conference contribution

Developing a conceptual model for the relationship between social media behavior, negative consumer emotions and brand disloyalty
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
Health figures: an open source JavaScript library for health data visualization
Research output: Scientific - peer-review › Article

Real-Time Patient-Specific ECG Classification by 1-D Convolutional Neural Networks
Research output: Scientific - peer-review › Article

Learning to rank salient segments extracted by multispectral quantum cuts
Research output: Scientific - peer-review › Article

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

Recurrent Neural Networks for Polyphonic Sound Event Detection in Real Life Recordings
Research output: Scientific - peer-review › Conference contribution

Depth Assisted Composition of Synthetic and Real 3D Scenes
Research output: Scientific - peer-review › Conference contribution

Non-uniform resampling in perspective compensated large scale 3D visualization
Shcherban, M., Suominen, O. & Gotchev, A. Feb 2016 Electronic Imaging: 3D Image Processing, Measurement (3DIPM), and Applications. IS&T/SPIE
Research output: Scientific - peer-review › Conference contribution

Visualizing informal learning behavior from conference participants' Twitter data with the Ostinato Model
Research output: Scientific - peer-review › Article

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

Interactive Visualization Tools to Improve Learning and Teaching in Online Learning Environments
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
Binaural rendering of microphone array captures based on source separation
Research output: Scientific - peer-review › Article

Design and application of a fish-shaped lateral line probe for flow measurement
Research output: Scientific - peer-review › Article

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

Dominant Rotated Local Binary Patterns (DRLBP) for texture classification
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

Estimation of kinetic parameters of transcription from temporal single-RNA measurements
Research output: Scientific - peer-review › Article

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: Professional › Conference contribution

Increased cytoplasm viscosity hampers aggregate polar segregation in Escherichia coli
Research output: Scientific - peer-review › Article

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

#JeSuisCharlie: Towards a Multi-Method Study of Hybrid Media Events
Research output: Scientific - peer-review › Article
Joint Estimation of Bulk Flow Velocity and Angle Using a Lateral Line Probe
Research output: Scientific - peer-review › Article

Liikekompensaatio- ja autofokusmenetelmät SAR- ja ISAR-tutkien signaalinkäsittelyssä
Vehmas, R. 2016 Ylöjärvi: Puolustusvoimien Tutkimuslaitos. 112 p. (Puolustusvoimien tutkimuslaitoksen julkaisuja)
Research output: Professional › Book

Mobile Interactions Augmented by Wearable Computing: a Design Space and Vision
Research output: Scientific - peer-review › Article

Modeling probability densities with sums of exponentials via polynomial approximation
Research output: Scientific - peer-review › Article

Morphological Differentiation Towards Neuronal Phenotype of SH-SY5Y Neuroblastoma Cells by Estradiol, Retinoic Acid and Cholesterol
Research output: Scientific - peer-review › Article

Private cloud deployment model in open-source mobile robots ecosystem
Research output: Scientific - peer-review › Conference contribution

Robustness analysis of a hybrid of recursive neural dynamics for online matrix inversion
Research output: Scientific - peer-review › Article

Situation Awareness Framework for Multi-machine Environments: An Application to Operator Assistive Collision Warning System
Research output: Scientific - peer-review › Article

Social media -based value creation and business models
Research output: Scientific - peer-review › Review Article

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

Still image/video frame lossy compression providing a desired visual quality
Research output: Scientific - peer-review › Article
Research output: Scientific - peer-review › Article

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

Urinary thrombomodulin levels were significantly higher following occupational exposure to chemicals, in the presence of dipstick protein, but not in the presence of dipstick blood
Research output: Scientific - peer-review › Article

Uusilla työvälineillä somen suomenkieliset tunnesisällöt analyysiin ja hyötykäyttöön
Research output: Professional › Article

Visualizing co-authorship networks for actionable insights: action design research experiment
Research output: Scientific - peer-review › Conference contribution

Using multi-step proposal distribution for improved MCMC convergence in Bayesian network structure learning
Larjo, A. & Lähdesmäki, H. 27 Dec 2015 In : Eurasip Journal on Bioinformatics and Systems Biology. 2015, 1, 6
Research output: Scientific - peer-review › Article

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

Management of distributed knowledge encapsulated in embedded devices
Research output: Scientific - peer-review › Article

Generative part-based Gabor object detector
Research output: Scientific - peer-review › Article

A State Space Tool for Concurrent System Models Expressed In C++
Research output: Scientific - peer-review › Conference contribution
"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

Electromagnetic 3D subsurface imaging with source sparsity for a synthetic object
Pursiainen, S. & Kaasalainen, M. 4 Nov 2015 In : Inverse Problems. 31, 12, 17 p., 125004
Research output: Scientific - peer-review › Article

MergeTree: a HLBVH Constructor for Mobile Systems
Research output: Scientific - peer-review › Conference contribution

Coupled dictionaries for exemplar-based speech enhancement and automatic speech recognition
Research output: Scientific - peer-review › Article

Sparse extreme learning machine classifier exploiting intrinsic graphs
Research output: Scientific - peer-review › Article

A managerial view of the knowledge flows of a health-care system
Research output: Scientific - peer-review › Article

Model selection for linear classifiers using Bayesian error estimation
Research output: Scientific - peer-review › Article

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

CytoSpectre: A tool for spectral analysis of oriented structures on cellular and subcellular levels
Research output: Scientific - peer-review › Article

Changes in global gene expression of Vibrio parahaemolyticus induced by cold- and heat-stress
Research output: Scientific - peer-review › Article

A General Definition of the O-notation for Algorithm Analysis
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

Adipose Tissue Dysfunction and Altered Systemic Amino Acid Metabolism Are Associated with Non-Alcoholic Fatty Liver Disease
Research output: Scientific - peer-review › Article

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

Transcriptome sequencing reveals PCAT5 as a Novel ERG-Regulated long Noncoding RNA in prostate cancer
Research output: Scientific - peer-review › Article

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

Exploring co-learning behavior of conference participants with visual network analysis of Twitter data
Research output: Scientific - peer-review › Article
An estimation method of the kinetic rates of transcription initiation by Eσ70 and Eσ38 from measurements of individual RNA productions
Research output: Scientific - peer-review › Article

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

VLT/SPHERE- and ALMA-based shape reconstruction of asteroid (3) Juno
Research output: Scientific - peer-review › Article

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

Sleep stage classification using sparse rational decomposition of single channel EEG records
Research output: Scientific - peer-review › Conference contribution

The Class of Generalized Hampel Filters
Research output: Scientific - peer-review › Conference contribution

Improving reliability for classification of metallic objects using a WTMD portal
Research output: Scientific - peer-review › Article

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

The Role of Customer Experience in Value Creation in Business-to-Business Context
Research output: Professional › Conference contribution
Construction of therapeutically relevant human prostate epithelial fate map by utilising miRNA and mRNA microarray expression data
Research output: Scientific - peer-review › Article

Dynamics of Genetic Circuits with Molecule Partitioning Errors in Cell Division and RNA-RNA Interactions
Lloyd-Price, J. 7 Aug 2015 Tampere University of Technology. 62 p. (Tampere University of Technology. Publication; vol. 1310)
Research output: Collection of articles › Doctoral Thesis

Collaborative filtering based on group coordinates for smoothing and directional sharpening
Research output: Scientific - peer-review › Conference contribution

Exemplar-based speech enhancement for deep neural network based automatic speech recognition
Research output: Scientific - peer-review › Conference contribution

Image interpolation based on non-local geometric similarities
Research output: Scientific - peer-review › Conference contribution

Low-complexity robust DOA estimation
Research output: Scientific - peer-review › Conference contribution

Low-Latency Sound-Source-Separation using Non-Negative Matrix Factorisation with Coupled Analysis and Synthesis Dictionaries
Research output: Scientific - peer-review › Conference contribution

Similarity induced group sparsity for non-negative matrix factorisation
Research output: Scientific - peer-review › Conference contribution

Adaptive cyclic and randomized coordinate descent for the sparse total least squares problem
Research output: Scientific - peer-review › Conference contribution

Adaptive Randomized Coordinate Descent for Sparse Systems: Lasso and Greedy Algorithms
Research output: Scientific - peer-review › Article

Analysing traffic fluency from bus data
Research output: Scientific - peer-review › Article
Automatic image-based detection and inspection of paper fibres for grasping
Research output: Scientific - peer-review › Article

Convolutional Neural Networks for patient-specific ECG classification
Research output: Scientific - peer-review › Conference contribution

Mapping dynamical states to structural classes for Boolean networks using a classification algorithm
Research output: Scientific - peer-review › Conference contribution

Single image super-resolution via BM3D sparse coding
Research output: Scientific - peer-review › Conference contribution

Towards visual words to words
Research output: Scientific - peer-review › Conference contribution

Affective Audio Synthesis for Sound Experience Enhancement
Research output: Scientific - peer-review › Chapter

Automatic recognition of environmental sound events using all-pole group delay features
Research output: Scientific - peer-review › Conference contribution

Context-aware knowledge-based middleware for selective information delivery in data-intensive monitoring systems
Research output: Scientific - peer-review › Article

Knowledge Management operationalization – how it differs in large enterprises and SMEs in Finland
Research output: Professional › Conference contribution

Multi-Label vs. Combined Single-label Sound Event Detection with Deep Neural Networks
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
Railway fastener inspection by real-time machine vision
Research output: Scientific - peer-review › Article

Representation of manufacturing equipment and services for OKD-MES: From service descriptions to ontology
Research output: Scientific - peer-review › Conference contribution

Self-contained slices in H.264 for partial video decoding targeting 3D light-field displays
Research output: Scientific - peer-review › Conference contribution

Single-cell kinetics of a repressilator when implemented in a single-copy plasmid
Research output: Scientific - peer-review › Article

Speed-optimized free-viewpoint rendering based on depth layering
Research output: Scientific - peer-review › Conference contribution

Towards processing and reasoning streams of events in knowledge-driven manufacturing execution systems
Research output: Scientific - peer-review › Conference contribution

Accessible Games for Blind Children, Empowered by Binaural Sound
Research output: Scientific - peer-review › Conference contribution

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

Lossy-to-lossless progressive coding of depth-maps
Research output: Scientific - peer-review › Conference contribution

On the Design of Hopfield Neural Networks: Synthesis of Hopfield Type Associative Memories
Research output: Scientific - peer-review › Conference contribution

Parametrizations of planar models for region-merging based lossy depth-map compression
Research output: Scientific - peer-review › Conference contribution
Polyphonic Sound Event Detection Using Multi Label Deep Neural Networks
Cakir, E., Heittola, T., Huttunen, H. & Virtanen, T. Jul 2015 2015 International Joint Conference on Neural Networks (IJCNN). IEEE
Research output: Scientific - peer-review › Conference contribution

AvanTomography: A compact module for positron emission mammography
Research output: Scientific - peer-review › Conference contribution

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

Novel pairwise coupled kinematic solution for algebraic angular acceleration estimation of serial link manipulators
Research output: Scientific - peer-review › Conference contribution

Blind estimation of speckle variance in synthetic aperture radar images
Abramova, V. V., Kozhemiakin, R., Abramov, S. K., Lukin, V. V., Zelensky, A. A. & Egiazarian, K. 25 Jun 2015 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings. The Institute of Electrical and Electronics Engineers, Inc.
Research output: Scientific - peer-review › Conference contribution

Stop It, and Be Stubborn!
Research output: Scientific - peer-review › Conference contribution

Graph distance measures based on topological indices revisited
Research output: Scientific - peer-review › Article

The effects of neuron morphology on graph theoretic measures of network connectivity: The analysis of a two-level statistical model
Acimovic, J., Mäki-Marttunen, T. & Linne, M-L. 10 Jun 2015 In : Frontiers in Neuroanatomy. 9, June, 76
Research output: Scientific - peer-review › Article

Computer Vision for Head Pose Estimation: Review of a Competition
Research output: Scientific - peer-review › Conference contribution

Long-term epileptic EEG classification via 2D mapping and textural features
Inviting the Audience: – Interactive, Participatory, and Social Television in Finland
Research output: Collection of articles › Doctoral Thesis

Fluctuations of Hi-Hat Timing and Dynamics in a Virtuoso Drum Track of a Popular Music Recording
Research output: Scientific - peer-review › Article

Structural analysis of treatment cycles representing transitions between nursing organizational units inferred from diabetes
Research output: Scientific - peer-review › Article

Using shRNA experiments to validate gene regulatory networks
Research output: Scientific - peer-review › Article

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

Identifying Cover Songs Using Information-Theoretic Measures of Similarity
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

A method and an apparatus for processing an audio signal
Niemistö, R., Bregovic, R., Dumitrescu, B. & Myllylä, V. 20 May 2015 CN102576538B
Research output: Scientific › Patent

Wavefront reconstruction in digital off-axis holography via sparse coding of amplitude and absolute phase
Research output: Scientific - peer-review › Article

Urothelial cancer gene regulatory networks inferred from large-scale RNAseq, Bead and Oligo gene expression data
Matos Simoes, R. D., Dauleau, S., Williamson, K. E. & Emmert-Streib, F. 14 May 2015 In : BMC Systems Biology. 9, 21
Research output: Scientific - peer-review › Article

Methods and systems for suppressing noise in images
Foi, A. & Maggioni, M. 13 May 2015 CN104620282
Research output: Scientific › Patent
Experiments of the sonification of the sleep electroencephalogram
Research output: Scientific - peer-review › Article

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)
Research output: Collection of articles › Doctoral Thesis

Microarray analysis of differentially expressed genes in ovarian and fallopian tube epithelium from risk-reducing salpingo-oophorectomies
Research output: Scientific - peer-review › Article

Standardized evaluation of algorithms for computer-aided diagnosis of dementia based on structural MRI: The CADDementia challenge
Research output: Scientific - peer-review › Article

Understanding business ecosystem dynamics: A data-driven approach
Research output: Scientific - peer-review › Article

Interferometric Phase Image Estimation via Sparse Coding in the Complex Domain
Research output: Scientific - peer-review › Article

Towards Open Data for Personal Web Tasking
Research output: Scientific - peer-review › Conference contribution

IGFBP2 potentiates nuclear EGFR-STAT3 signaling
Research output: Scientific - peer-review › Conference contribution

'miSimBa’ - A simulator of synthetic time-lapsed microscopy images of bacterial cells
Research output: Scientific - peer-review › Conference contribution

SmartWoW – constructing a tool for knowledge work performance analysis
Research output: Scientific - peer-review › Article
Yhteiselle tiedolle on tarvetta työpaikoilla
Research output: General public › Article

Improved weighted prediction based color gamut scalability in SHVC
Research output: Scientific - peer-review › Conference contribution

An Energy-efficient Live Video Coding and Communication over Unreliable Channels
Belyaev, E. 20 Feb 2015 Tampere University of Technology. 61 p. (Tampere University of Technology. Publication; vol. 1283)
Research output: Collection of articles › Doctoral Thesis

Riding for a fall in outsourced ISD: Transferring knowledge between onshore vendor and offshored unit
Research output: Professional › Conference contribution

Adaptive spatial resolution selection for stereoscopic video compression with MV-HEVC: A frequency based approach
Research output: Scientific - peer-review › Conference contribution

Asymmetric luminance based filtering for stereoscopic video compression
Research output: Scientific - peer-review › Conference contribution

Salient event detection in basketball mobile videos
Research output: Scientific - peer-review › Conference contribution

Modeling and Experimental Characterization of Pressure Drop in Gravity-Driven Microfluidic Systems
Research output: Scientific - peer-review › Article

Antimicrobial activity and molecular analysis of azoderivatives of β-diketones
Research output: Scientific - peer-review › Article

Lossless compression of regions-of-interest from retinal images
Research output: Scientific - peer-review › Conference contribution

Object-based Modeling of Audio for Coding and Source Separation
Nikunen, J. 16 Jan 2015 Tampere University of Technology. 98 p. (Tampere University of Technology. Publication; vol. 1276)
Research output: Collection of articles › Doctoral Thesis
Designing a performance measurement system to support outsourcing decisions in a Finnish university
Research output: Scientific - peer-review › Article

Image database TID2013: Peculiarities, results and perspectives
Research output: Scientific - peer-review › Article

Investigating the Impact of Sound Angular Position on the Listener Affective State
Research output: Scientific - peer-review › Article

MicroRNA expression profile of primary prostate cancer stem cells as a source of biomarkers and therapeutic targets
Research output: Scientific - peer-review › Article

Scalable bit allocation between texture and depth views for 3-D video streaming over heterogeneous networks
Research output: Scientific - peer-review › Article

The connection between cycling safety and volume
Research output: Scientific - peer-review › Chapter

Winner-Does-Not-Take-All: Selective Attention and Local Bias in Platform-Based Markets

A Bayesian Approach for Extreme Learning Machine-based Subspace Learning
Research output: Scientific - peer-review › Conference contribution

Accuracy evaluation of a linear positioning system for light field capture
Research output: Scientific - peer-review › Conference contribution

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 computationally feasible optimization approach to inverse SAR translational motion compensation
Research output: Scientific - peer-review › Conference contribution

A conceptual model towards the scaffolding of learning experience
Acoustic context recognition for mobile devices using a reduced complexity SVM
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

A method for predicting DCT-based denoising efficiency for grayscale images corrupted by AWGN and additive spatially correlated noise
Research output: Scientific - peer-review › Conference contribution

A model based analysis of the measurement errors in inductively coupled passive resonance sensors
Research output: Scientific - peer-review › Conference contribution

Analysis of dct spectrum statistics for image processing applications
Research output: Scientific - peer-review › Article

Analysis of HVS-metrics' properties using color image database TID2013
Research output: Scientific - peer-review › Conference contribution

Analysis on bus travel time through traffic light intersection
Research output: Professional › Conference contribution

Analytical model in discrete time for cross-layer video communication over LTE
Research output: Scientific - peer-review › Article
An efficient adaptive binary range coder and its VLSI architecture
Research output: Scientific - peer-review › Article

A new method for automatic marking epileptic spike-wave discharges in local field potential signals
Research output: Scientific - peer-review › Conference contribution

A New R-D Optimization Criterion for Fast Mode Decision Algorithms in Video Coding and Transrating
Research output: Scientific - peer-review › Article

A New R-D Optimization Criterion for Fast Mode Decision Algorithms in Video Coding and Transrating
Research output: Scientific - peer-review › Article

A Paradigm for Dynamic Adaptive Streaming over HTTP for Multi-view Video
Research output: Scientific - peer-review › Conference contribution

A perceptual quality metric for high-definition stereoscopic 3D video
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
Research output: Scientific - peer-review › Conference contribution

Approach for Investigating Crowdfunding Campaigns with Platform Data: Case Indiegogo
Research output: Scientific - peer-review › Conference contribution

Archetypal analysis for audio dictionary learning
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Architecture for Open, Knowledge-Driven Manufacturing Execution System
Assessment of social media skills among vocational teachers in Finland

Assessing Event Logs with Ontologies for Semantic Process Mining and Analysis

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Cloud Technologies for the Internet of Things: Defining a Research Agenda Beyond the Expected Topics
Research output: Scientific - peer-review › Conference contribution

Code Density and Energy Efficiency of Exposed Datapath Architectures
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Collaboration, distribution and culture - challenges for communication
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Collecting a citizen’s digital footprint for health data mining
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Comparison of Functional, Structural, and Dynamic Business-IT Alignment Models: A Case Study
Research output: Scientific - peer-review › Conference contribution

Compositional Models for Audio Processing: Uncovering the structure of sound mixtures
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Computational Network Theory: Theoretical Foundations and Applications
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Constrained Directed Graph Clustering and Segmentation Propagation for Multiple Foregrounds Cosegmentation
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Content Sharing Building Social User Experiences
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Contributions of Arto Salomaa to Multiple-Valued Logic
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Cross-Cultural Design of Mobile Mathematics Learning Service for South African Schools
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Cross-cultural issues in working with users in the design of interactive systems
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CueSense: a Wearable Proximity-Aware Display Enhancing Encounters
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Defining Metrics for Continuous Delivery and Deployment Pipeline
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Depth map occlusion filling and scene reconstruction using modified exemplar-based inpainting
Designing an Unobtrusive Analytics Framework for Monitoring Java Applications

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Detecting and tracking the tips of fluorescently labeled mitochondria in U2OS cells

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Determining Minimized Galois Field Expressions for Ternary Functions by using Special Normal Form

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Discrimination Power of Polynomial-Based Descriptors for Graphs by Using Functional Matrices

Do we know how difficult the rainfall problem is?

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Explorative study of teaching programming to vocational teachers in Finland
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Exploratory analysis of associations between individual lifestyles and heart rate variability-based recovery during sleep
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Exploring Attitudes, Knowledge and Competencies for Security Technology: A Cross-Cultural Survey in Higher Education
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Extreme learning machine based supervised subspace learning
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Faster 128-EEA3 and 128-EIA3 Software
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High-Level Synthesis Design Flow for HEVC Intra Encoder on SoC-FPGA
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Knowledge Intensive Entrepreneurship Fostering Digital Society
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Knowledge security risk management in contemporary companies – toward a proactive approach
Research output: Scientific - peer-review › Conference contribution

Kvazaar HEVC encoder for Efficient Intra Coding
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Lean Startup Meets Software Product Lines: Survival of the Fittest or Letting Products Bloom?
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Research output: Scientific - peer-review › Conference contribution

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Linear Congruential Sequences: Feedback and Recurrent Neural Networks
Localization of Storyboards for Cross-cultural User Studies

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Noise Robust Speaker Recognition with Convolutitive Sparse Coding

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Project- and product-oriented course
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Quality measures for improving technology trees
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Real-time depth image-based rendering with layered dis-occlusion compensation and aliasing-free composition
Research output: Scientific - peer-review › Conference contribution

Recurrent SKIL-activating rearrangements in ETS-negative prostate cancer
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Requirements, Architecture, and Quality in a Mission-Critical System: 12 Lessons Learned
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Robust Regulation Theory for Transfer Functions With a Coprime Factorization

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Semantic-Driven CEP for Delivery of Information Streams in Data-Intensive Monitoring Systems

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Spicing Up Open Source Development with a Touch of Crowdsourcing
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Supplier's Expectations on Usage Data Analytics of Complex Industrial Systems
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Technologies for databases change management
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The spatial presence experience scale (SPES): A short self-report measure for diverse media settings

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

Time-series modeling of long-term weight self-monitoring data

To UML or not to UML? – Empirical Study on the Approachability of Software Architecture Diagrams

Towards an ideal software engineering project course

Towards blended learning: A case study
Towards Deeper Understanding of User Experience with Ubiquitous Computing Systems: Systematic Literature Review and Design Framework
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Towards liquid web applications
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Twist predicts poor outcome of patients with astrocytic glioma
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Two mature products of MIR-491 coordinate to suppress key cancer hallmarks in glioblastoma
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Typical and atypical domain combinations in human protein kinases: functions, disease causing mutations and conservation in other primates
Unsupervised Visual Alignment with Similarity Graphs

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User experience goals as a guiding light in design and development – Early findings

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

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Using context overlays to analyse the role of a priori information with Process Mining

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View upsampling optimization for mixed resolution 3D video coding
Visual Saliency by Extended Quantum Cuts

W2E - Wellness Warehouse Engine for Semantic Interoperability of Consumer Health Data

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