

Tailored gamification
A review of literature

The effect of challenge-based gamification on learning
An experiment in the context of statistics education

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

5G new radio evolution towards sub-THz communications

Serverless
What it Is, What to Do and What Not to Do

A custom processor for protocol-independent packet parsing

Are SonarQube Rules Inducing Bugs?

Anthropometric clothing measurements from 3D body scans

Sensor-Based Cooperative Multi-Antenna Spectrum Sensing with Imperfect Reporting Channels

Does code quality affect pull request acceptance? An empirical study

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

Energy Efficiency Analysis of Collaborative Compressive Sensing Scheme in Cognitive Radio Networks

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

Gamified coding
Toy robots and playful learning in early education

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

Prototyping directional UAV-based wireless access and backhaul systems

Software architecture design in global software development
An empirical study

Programming languages for data-intensive HPC applications
A systematic mapping study

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

Feasibility of FPGA accelerated IPsec on cloud

An icon that everyone wants to click
How perceived aesthetic qualities predict app icon successfulness

The Double Shadowed κ - μ Fading Model

Towards Algebraic Modeling of GPU Memory Access for Bank Conflict Mitigation

An approval of MPPT based on pv cell's simplified equivalent circuit during fast-shading conditions

Model checking and validity in propositional and modal inclusion logics

2-volt Solution-Processed, Indium Oxide (In_2O_3) Thin Film Transistors on flexible Kapton

6K and 8K effective resolution with 4K HEVC decoding capability for 360 video streaming

Are architectural smells independent from code smells? An empirical study

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Automated Customization of Exposed Datapath Soft-Cores

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

Input magnitude data setting in error-reduction algorithm for one-dimensional discrete phase retrieval problem

Acceptance and perceptions of interactive location-tracking displays

Socially inspired relaying and proactive mode selection in mmWave vehicular communications

Opportunistic ambient backscatter communication in RF-Powered cognitive radio networks

Towards Efficient Code Generation for Exposed Datapath Architectures

Asterism
Decentralized file sharing application for mobile devices

Artificial intelligence yesterday, today and tomorrow

Error analysis of NOMA-based user cooperation with SWIPT

Intelligent data service for farmers

Reducing crossbar costs in the match-action pipeline

Teaching for virtual work

A Semantic Meta-Model Repository for Lightweight M2M

Exploiting Multipath Terahertz Communications for Physical Layer Security in beyond 5G Networks

Sensing-throughput tradeoff for superior selective reporting-based spectrum sensing in energy harvesting HCRNs

Advancements in Solution Processable Devices using Metal Oxides For Printed Internet-of-Things Objects

A Framework for Design and Implementation of Adaptive Digital Predistortion Systems

Challenges of Multi-Factor Authentication for Securing Advanced IoT Applications

Elastic Neural Networks for Classification

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

LordCore: Energy-Efficient OpenCL-Programmable Software-Defined Radio Coprocessor

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

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

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

On the Secrecy Capacity of Fisher-Snedecor F Fading Channels

The N*Fisher-Snedecor F Cascaded Fading Model

Efficient Solving of Markov Decision Processes on GPUs Using Parallelized Sparse Matrices

Power mitigation of a heterogeneous multicore architecture on FPGA/ASIC by DFS/DVFS techniques

A Low-Cost High-Speed Self-Checking Carry Select Adder with Multiple-Fault Detection

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

Visualization of memory map information in embedded system design

Olfactory display prototype for presenting and sensing authentic and synthetic odors

Visualization in the integrated SimPhoNy multiscale simulation framework

Energy-Delay Trade-offs in Instruction Register File Design

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

LoTTA: Energy-Efficient Processor for Always-on Applications

A Framework for Data Collection, Transformation and Processing in Industrial Systems

An ISA-95 based Ontology for Manufacturing Systems Knowledge Description Extended with Semantic Rules

Supporting a Cloud Platform with Streams of Factory Shop Floor Data in the Context of the Industry 4.0

Towards the Adoption of Cyber-Physical Systems of Systems Paradigm in Smart Manufacturing Environments

Dimensional analysis conceptual modeling supporting adaptable reasoning in simulation-based training

Low latency edge rendering scheme for interactive 360 degree virtual reality gaming

Effects of blockage in deploying mmWave drone base stations for 5g networks and beyond

Modeling and cancellation of self-interference in full-duplex radio transceivers
Volterra series-based approach

Optimizing wirelessly powered crowd sensing
Trading energy for data

Cybersecurity Attacks and Defences for Unmanned Smart Ships

Secure Firmware Updates for IoT
A Survey

Adjusting university education with workspace training and self-education

Role of the user in information systems development

An approach for implementing key performance indicators of a discrete manufacturing simulator based on the ISO 22400 standard

Towards the deployment of cloud robotics at factory shop floors
A prototype for smart material handling

Toward efficient many-core scheduling of partial expansion graphs

Analysis of differentially modulated cooperative communications over asymmetric fading channels

Capacity analysis under generalized composite fading conditions

Maximum achievable throughput and interference mitigation for SUN in coexistence with WLAN

Outage probability of multi-carrier NOMA systems under joint I/Q imbalance

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Special Issue on 'New Hydraulic Components for Tough Robots'

A design tool for high performance image processing on multicore platforms

Memory-Constrained vectorization and scheduling of dataflow graphs for hybrid CPU-GPU platforms

Analyzing Effects of Directional Deafness on mmWave Channel Access in Unlicensed Bands

Detailed Interference Analysis in Dense mmWave Systems Employing Dual-Polarized Antennas

Modeling Three-Dimensional Interference and SIR in Highly Directional mmWave Communications

Advanced wireless m-bus platform for intensive field testing in industry 4.0-based systems

Exposed Datapath optimizations for Loop Scheduling

Federated IoT services leveraging 5G technologies at the edge

Model-Based Dynamic Scheduling for Multicore Signal Processing

Outlier edge detection using random graph generation models and applications

Model-based dynamic scheduling for multicore implementation of image processing systems

Evaluation of a Heterogeneous Multicore Architecture by Design and Test of an OFDM Receiver

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Conceptualization, literature review, and future agenda

Hardware design methodology using lightweight dataflow and its integration with low power techniques

Design and implementation of adaptive signal processing systems using Markov decision processes

Analysis of multipath propagation for 5G system at higher frequencies in microcellular environment

Angular wall loss model and Extended Building Penetration model for outdoor to indoor propagation

Feasibility of self-backhauling in full-duplex radio access systems under QoS constraints

On the prospects of full-duplex military radios

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Implementation Issues in System-on-Chip

Power Mitigation by Performance Equalization in a Heterogeneous Reconfigurable Multicore Architecture

Comparing the Built-In Application Architecture Models in the Web Browser

Low power design methodology for signal processing systems using lightweight dataflow techniques

Experimental evaluation of dynamic licensed shared access operation in live 3GPP LTE system

Stop it, and be stubborn!

A Hybrid Task Graph Scheduler for High Performance Image Processing Workflows

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

Design Flow for GPU and Multicore Execution of Dynamic Dataflow Programs

Exploiting D2D communications at the network edge for mission-critical IoT applications

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

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

Urban 3D segmentation and modelling from street view images and LiDAR point clouds

Wireless M-bus in industrial IoT
Technology overview and prototype implementation

Xor-Masking: A Novel Statistical Method for Instruction Read Energy Reduction in Contemporary SRAM Technologies

Models of architecture
Reproducible efficiency evaluation for signal processing systems

Adaptive tracking of people and vehicles using mobile platforms

Generalized Hampel Filters

Optimization of Flexible Filter Banks Based on Fast Convolution

SoftWater
Software-defined networking for next-generation underwater communication systems

On the Architecture of Liquid Software: Technology Alternatives and Design Space

Accelerating Computation on an Android Phone with OpenCL Parallelism and Optimizing Workload Distribution between a Phone and a Cloud Service

Investigating mid-air gestures and handhelds in motion tracked environments

A design framework for mapping vectorized synchronous dataflow graphs onto CPU-GPU platforms

Extended Ewald summation technique

Detection of bubbles as concentric circular arrangements

BL-LDA

Bringing bigram to supervised topic model

Guest editorial special issue on the internet of nano things

Supporting deterministic medium access control in wireless vehicular communications

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

Analysis of a receiver-based reliable broadcast approach for vehicular networks

Gravity gradient routing for information delivery in fog Wireless Sensor Networks

HARP2: An X-Scale Reconfigurable Accelerator-Rich Platform for Massively-Parallel Signal Processing Algorithms

IEEE 802.11ac MIMO Transceiver Baseband Processing on a VLIW Processor

Instrumentation-Driven Validation of Dataflow Applications

OpenCL Programmable Exposed Datapath High Performance Low-Power Image Signal Processor

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

BM3D image denoising using heterogeneous computing platforms

Reconfigurable computing for future vision-capable devices

Binomial Gaussian mixture filter

Programming graphics processing units in the RVC-CAL dataflow language

Kalman filter with a linear state model for PDR+WLAN positioning and its application to assisting a particle filter

Haptic feedback of gaze gestures with glasses

Localization accuracy and effectiveness

The extended one-dimensional discrete phase retrieval problem

Exploring the Stability of Software with Time-Series Cross-Sectional Data

Gathering useful programming data; Analysis and insights from real-time collaborative editing

LTE indoor MIMO performances field measurements

Social behavior in bacterial nanonetworks
Challenges and opportunities

Towards Trusted eHealth Services in the Cloud

Digital correction of frequency response mismatches in 2-channel time-interleaved ADCs using adaptive I/Q signal processing

Dynamic text presentation in print interpreting - An eye movement study of reading behaviour

Techno-Economical Comparison of Dynamic DAS and Legacy Macrocellular Densification
Capacity and Cost-Efficiency Analysis of Alternative Deployment Solutions for Outdoor Service Provisioning

A multi-coil wireless power transfer system utilizing dynamic matching for in-vivo and biomedical applications

BIM based schedule control for precast concrete supply chain

Implementation of a high-throughput low-latency polyphase channelizer on GPUs Design and Architectures for Signal and Image Processing 2008

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

Towards generic embedded multiprocessing for RVC-CAL dataflow programs

High-performance and low-energy buffer mapping method for multiprocessor DSP systems

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

An efficient GPU implementation of an arbitrary resampling polyphase channelizer

An IPv6-enabled wireless shoe-mounted platform for health-monitoring

Applying the adaptive hybrid flow-Shop scheduling method to schedule a 3GPP LTE physical layer algorithm onto many-core digital signal processors

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

Design space exploration and implementation of RVC-CAL applications using the TURNUS framework

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High-performance programs by source-level merging of RVC-CAL dataflow actors

Parameterized core functional dataflow graphs and their application to design and implementation of wireless communication systems

Parameterized scheduling of topological patterns in signal processing dataflow graphs

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Parameterized and interfaced dataflow meta-model for MPSoCs runtime reconfiguration

Programmable implementation of zero-crossing demodulator on an application specific processor

Scheduling of parallelized synchronous dataflow actors

Touch gestures in communicating emotional intention via vibrotactile stimulation

Wireless chipless passive microfluidic temperature sensor

Application-specific instruction processor for extracting local binary patterns

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A scalable and delay sensitive cloud routing protocol

GPU-based acceleration of symbol timing recovery

Inkjet-printed monopole antennas for enhanced-range WBAN and wearable biomonitring application

Instrumentation-driven model detection for dataflow graphs

Mapping parameterized cyclo-static dataflow graphs onto configurable hardware

Multidimensional dataflow graph modeling and mapping for efficient GPU implementation

Novel approaches to crawling important pages early

Partial expansion graphs

Exposing parallelism and dynamic scheduling opportunities for DSP applications

Power allocation in multi-node cooperative network in Rician fading channels

Reconfigurable miniature sensor nodes for condition monitoring

The development of constructability using BIM as an intensifying technology

Overview of the MPEG reconfigurable video coding framework

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

Exploiting statically schedulable regions in dataflow programs

Bit-sliced binary normal basis multiplication

Design methods for wireless sensor network building energy monitoring systems

Generation of all radix-2 fast Fourier transform algorithms using binary trees

Inkjet printing of UWB antennas on paper based substrates

Topological patterns for scalable representation and analysis of dataflow graphs

Nonlinear robust control for dc-dc converters

Conversion algorithms and implementations for koblitz curve cryptography

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Ontology processing for assisted synthesis of conceptual design solutions

Cavity formation in split ring resonators

Dynamic and sensitivity analysis of KNTU CDRPM
A cable driven redundant parallel manipulator

Physics and applications of photonic crystals