

Workplace performance of a loose-fitting powered air purifying respirator during nanoparticle synthesis

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

Very sharp diffraction peak in nonglass-forming liquid with the formation of distorted tetraclusters

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

UX work in startups  
Current practices and future needs

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

Using building simulation to model the drying of flooded building archetypes

Urothelial cancer gene regulatory networks inferred from large-scale RNAseq, Bead and Oligo gene expression data

Two models for hydraulic cylinders in flexible multibody simulations

Transverse structure optimization of laterally-coupled ridge waveguide DFB lasers

Towards usability heuristics for games utilizing speech recognition

Towards generic embedded multiprocessing for RVC-CAL dataflow programs

Towards an approach for evaluating the quality of requirements

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

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

Topological patterns for scalable representation and analysis of dataflow graphs

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

Timely report production from WWW data sources

Time-dependent SIR modeling for D2D communications in indoor deployments

Theory driven design and real proto typing of biomass pyrolytic stove

The Fisher-Snedecor F Distribution  
A Simple and Accurate Composite Fading Model

The development of constructability using BIM as an intensifying technology

The assessment of constructability  
BIM cases

Technostress and social networking services  
Uncovering strains and their underlying stressors

Target tracking via combination of particle filter and optimisation techniques

Structural Similarity Index with Predictability of Image Blocks

Structural influence of gene networks on their inference  
Analysis of C3NET

Spectral modeling of time series with missing data

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

Software evolution and time series volatility  
An empirical exploration

Sir distribution in D2D environment with non-stationary mobility of users

Sir analysis in square-shaped indoor premises

Simulation studies of DFB laser longitudinal structures for narrow linewidth emission

Simulation of photon-photon resonance enhanced direct modulation bandwidth of DFB lasers

Search reliability and search efficiency of combined Lévy-Brownian motion  
Long relocations mingled with thorough local exploration

Safety at chimney-roof penetration  
A numerical investigation

Revenue models of application developers in android market ecosystem

Reduced level of docosahexaenoic acid shifts GPCR neuroreceptors to less ordered membrane regions

Reconfigurable miniature sensor nodes for condition monitoring

Reconfigurable computing for future vision-capable devices

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

Quantifying the non-ergodicity of scaled Brownian motion

Properties of graph distance measures by means of discrete inequalities

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

Preoperative simulation for the planning of microsurgical clipping of intracranial aneurysms

PRBS-based loop gain identification and output impedance shaping in DC microgrid power converters

Power Mitigation by Performance Equalization in a Heterogeneous Reconfigurable Multicore Architecture

Possible structures of nonstoichiometric tin oxide  
The composition Sn<sub>2</sub>O<sub>3</sub>

Pneumatic unidirectional cell stretching device for mechanobiological studies of cardiomyocytes

PiMM  
Parameterized and interfaced dataflow meta-model for MPSoCs runtime reconfiguration

Performance evaluation of a flow control algorithm for network-on-chip

Pathway analysis of expression data  
Deciphering functional building blocks of complex diseases

Passive condition pre-enforcement for rights exporting

Parameterized scheduling of topological patterns in signal processing dataflow graphs

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

Overview of the MPEG reconfigurable video coding framework

Organizational structure and the periphery of the gene regulatory network in B-cell lymphoma.

Optimization of Flexible Filter Banks Based on Fast Convolution

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

On the effect of deformation twinning and microstructure to strain hardening of high manganese austenitic steel 3D microstructure aggregates at large strains

On prediction of DCT-based denoising efficiency under spatially correlated noise conditions

On Confidences and Their Use in (Semi-)Automatic Multi-Image Taxa Identification

Neural networks, cell cultures and some older work on data analysis.

Networks for systems biology  
Conceptual connection of data and function

Model for evaluating additive manufacturing feasibility in end-use production

Model-Based Dynamic Scheduling for Multicore Signal Processing

Minimum viable user experience  
A framework for supporting product design in startups

Measurement theory and dimensional analysis  
Methodological impact on the comparison and evaluation process

Mapping parameterized cyclo-static dataflow graphs onto configurable hardware

Local network-based measures to assess the inferability of different regulatory networks

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

Lean manufacturing methods in simulation literature  
Review and association analysis

Knowledge-based artificial neural network (KB-ANN) in engineering  
Associating functional architecture modeling, dimensional analysis and causal graphs to produce optimized topologies for KB-ANNs

Iterative and Participative Axiomatic Design Process in complex mechanical assemblies  
case study on fusion engineering

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

Instrumentation-Driven Validation of Dataflow Applications

Information processing in the transcriptional regulatory network of yeast  
Functional robustness

Influence of specimen type and reinforcement on measured tension-tension fatigue life of unidirectional GFRP laminates

Influence of relative humidity and physical load during storage on dustiness of inorganic nanomaterials  
implications for testing and risk assessment

Inferring the conservative causal core of gene regulatory networks

Independent Loops Search in Flow Networks Aiming for Well-Conditioned System of Equations

Improved Session Continuity in 5G NR with Joint Use of Multi-Connectivity and Guard Bandwidth

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

Implementation of a direct procedure for critical point computations using preconditioned iterative solvers

IEEE 802.11ac MIMO Transceiver Baseband Processing on a VLIW Processor

Hysteresis and eddy-current losses in electrical steel utilising edge degradation due to cutting effects

Hierarchical coordination of periodic genes in the cell cycle of *Saccharomyces cerevisiae*

Hermitian one-particle density matrix through a semiclassical gradient expansion

Harnessing the complexity of gene expression data from cancer  
From single gene to structural pathway methods

Guest Editorial  
Implementation Issues in System-on-Chip

Graph based representation and analyses for conceptual stages

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

Exploiting statically schedulable regions in dataflow programs

Entropy analysis of word-length series of natural language texts  
Effects of text language and genre

Enhanced multiaxial fatigue criterion that considers stress gradient effects

Energy Detection-Based Spectrum Sensing over Fisher-Snedecor F Fading Channels

Employing a multi-Objective robust optimisation method for healthy and low-energy dwelling design in Delhi, India

Effect of paint baking treatment on the properties of press hardened boron steels

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

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

Dynamics of a buck converter with a constant power load

Distant speech separation using predicted time-frequency masks from spatial features

Dimension reduction and decomposition using causal graph and qualitative analysis for aircraft concept design optimization

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

Development of an England-wide indoor overheating and air pollution model using artificial neural networks

Design Flow for GPU and Multicore Execution of Dynamic Dataflow Programs

Data Vault Mappings to Dimensional Model Using Schema Matching

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

Data augmentation approaches for improving animal audio classification

Cuts for 3-D magnetic scalar potentials  
Visualizing unintuitive surfaces arising from trivial knots

Continuum approach to high-cycle fatigue. The finite life-time case with stochastic stress history

Constrained Long-Horizon Direct Model Predictive Control for Synchronous Reluctance Motor Drives

Conformational properties of complex polymers  
Rosette versus star-like structures

Concerted regulation of npc2 binding to endosomal/lysosomal membranes by bis(monoacylglycero)phosphate and sphingomyelin

Computationally efficient optimization algorithms for model predictive control of linear systems with integer inputs

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

Comb Model with Slow and Ultraslow Diffusion

Color Constancy Convolutional Autoencoder

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

Characterizing trustworthy digital rights exporting

Business Model Innovation of Startups Developing Multisided Digital Platforms

Bringing stimulated ideation in a web environment  
Students' evaluations of a basic software release

Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech

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

Atomistic fingerprint of hyaluronan-CD44 binding

Assessment of mutation probabilities of KRAS G12 missense mutants and their long-timescale dynamics by atomistic molecular simulations and Markov state modeling

A simulation case study of production planning and control in printed wiring board manufacturing

A prospect for computing in porous materials research  
Very large fluid flow simulations

Applying SCRUM in an OSS development process  
An empirical evaluation

An origami inspired reconfigurable spiral antenna

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

Analysis of the damping characteristics of two power electronics-based devices using 'individual channel analysis and design'

Analysis of common rail pressure signal of dual-fuel large industrial engine for identification of injection duration of pilot diesel injectors

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

Algorithmic computation of knot polynomials of secondary structure elements of proteins

A Hybrid Task Graph Scheduler for High Performance Image Processing Workflows

A hybrid optimization grey model based on segmented gra and multi-strategy contest for short-term power load forecasting

Ageing first passage time density in continuous time random walks and quenched energy landscapes

A framework for building behavioral models for design-stage failure identification using dimensional analysis

Adaptive autoregressive model for reduction of noise in SPECT

Active scanner control on paper machines

Action and power efficiency in self-organization  
The case for growth efficiency as a cellular objective in escherichia coli

Acoustic Modelling

A comparison between joint regression analysis and the AMMI model  
A case study with barley