

Integrating III-V, Si, and polymer waveguides for optical interconnects
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Digital predistortion for mitigating spurious emissions in spectrally agile radios

Blind estimation of speckle variance in synthetic aperture radar images

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A use case of collaborative course development in higher education

Noise minimized high resolution digital holographic microscopy applied to surface topography

Utilizing Neurons for Digital Logic Circuits
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Methodology to obtain the security controls in multi-cloud applications

Smartphone teleoperation for self-balancing telepresence robots

Thin form-factor super multiview head-up display system

The internet of Bio-Nano things

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

Variable switching point predictive torque control with extended prediction horizon

FinnForest dataset
A forest landscape for visual SLAM

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Assessing gene network inference algorithms by network-based measures

Inferring the conservative causal core of gene regulatory networks

Revealing differences in gene network inference algorithms on the network level by ensemble methods

Chip-to-package wireless power transfer and its application to mm-Wave antennas and monolithic radiometric receivers

Face verification and recognition for digital forensics and information security

A unifying perspective on proximity-based cellular-assisted mobile social networking

Exploring synergy between communications, caching, and computing in 5G-grade deployments

The Internet of Things and Sensor Networks

Dense Moving Fog for Intelligent IoT
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Future of Ultra-Dense Networks Beyond 5G
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Internet of Things and Sensor Networks

Novel D2D-based relaying method for multicast services over 3GPP LTE-A systems

Body area nanonetworks with molecular communications in nanomedicine

Wireless sensing and identification of passive electromagnetic sensors based on millimetre-wave FMCW RADAR

Railway fastener inspection by real-time machine vision

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

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Biological principles for future Internet architecture design

Wireless Communications for Optogenetics-Based Brain Stimulation
Present Technology and Future Challenges

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

Measurements of Mobile Blockchain Execution Impact on Smartphone Battery

OFDM radar with LTE waveform
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Visual decision support for business ecosystem analysis

A perceptual quality metric for high-definition stereoscopic 3D video

Deep p-Fibonacci scattering networks

Performance evaluation of bandwidth reservation for mmWave 5G NR systems

Magnetomechanical coupled FE simulations of rotating electrical machines
Julkaisun otsikon käännös: : Magnetomechanical coupled FE simulations of rotating electrical machines

Uncertainty propagation of iron loss from characterization measurements to computation of electrical machines

High-content screening data management for drug discovery in a small- to medium- size laboratory
Results of a collaborative pilot study focused on user expectations as indicators of effectiveness

Wearable and implantable antennas for wireless body-centric sensing systems

Multisensor Time-Frequency Signal Processing MATLAB package
An analysis tool for multichannel non-stationary data

Method for Simulating Dose Reduction in Digital Breast Tomosynthesis

PETMEI 2011

The 1st international workshop on pervasive eye tracking and mobile eye-based interaction

The magical world of metamaterials

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

A system for real-time detection and tracking of vehicles from a single car-mounted camera

A probability-based approach to modeling the risk of unauthorized propagation of information in on-line social networks

Bio-inspired service management framework
Green data-centres case study

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Green data-centres case study

Towards a conceptual framework for privacy protection in the use of interactive 360° video surveillance

A Primal Neural Network for Online Equality-Constrained Quadratic Programming

Multi-physics modeling and simulation of a frequency doubling antenna sensor for passive wireless strain sensing

Compressive strain measurement using RFID patch antenna sensors

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

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

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

Graph based representation and analyses for conceptual stages

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

Energy Efficiency Maximization of Full-Duplex Two-Way Relay with Non-Ideal Power Amplifiers and Non-Negligible Circuit Power

Energy cooperation for throughput optimization based on save-then-transmit protocol in wireless communication system

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

Environmental and social sustainability—emergence of well-being in the built environment, assessment tools and real estate market implications

DoGlycans-Tools for Preparing Carbohydrate Structures for Atomistic Simulations of Glycoproteins, Glycolipids, and Carbohydrate Polymers for GROMACS

Using probabilistic sampling-based sensitivity analyses for indoor air quality modelling

On the complexity of restoring corrupted colorings

A computational approach to construct a multivariate complete graph invariant

On entropy-based molecular descriptors
Statistical analysis of real and synthetic chemical structures

Network classes and graph complexity measures

Highly unique network descriptors based on the roots of the permanental polynomial

Quantitative Graph Theory
A new branch of graph theory and network science

Graph measures with high discrimination power revisited
A random polynomial approach

Towards detecting structural branching and cyclicity in graphs
A polynomial-based approach

On the degeneracy of the Randić entropy and related graph measures

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

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

Red Alert
Break-Glass Protocol to Access Encrypted Medical Records in the Cloud

Mobility aware eMBMS management in urban 5G-oriented systems

Radar micro-Doppler feature extraction using the Singular Value Decomposition

Novel frequency domain cyclic prefix autocorrelation based compressive spectrum sensing for cognitive radio

Nanodevice Arrays for Peripheral Nerve Fascicle Activation Using Ultrasound Energy-harvesting

Building energy-efficiency interventions in North-East Europe
Effects on indoor environmental quality and public health

BM3D-HVS
Content-Adaptive denoising for improved visual quality

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

Functional and genetic analysis of the colon cancer network.

Classification of large graphs by a local tree decomposition

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

Information processing in the transcriptional regulatory network of yeast
Functional robustness

Robustness in scale-free networks
Comparing directed and undirected networks

Towards a channel capacity of communication networks

Nonlinear time series prediction based on a power-law noise model

Global information processing in gene networks
Fault tolerance

A heterosynaptic learning rule for neural networks

Stochastic Sznajd Model in open community

Fifty years of graph matching, network alignment and network comparison

Evaluation of effectiveness of the stickgrip device for detecting the topographic heights on digital maps

Transfer learning using a nonparametric sparse topic model

Haptic user interface enhancement system for touchscreen based interaction
A novel system for multimodal interaction with touchscreen interfaces

Developing novel multimodal interaction techniques for touchscreen in-vehicle infotainment systems

Picosecond MOPA with ytterbium doped tapered double clad fiber

Distributed pervasive services using group service communication supporting body area networks

Optical fiber amplifier with spectral compression elements for high-power laser pulse generation

Email intensity, productivity and control in the knowledge worker's performance on the desktop

Simultaneous binary hash and features learning for image retrieval

Machine learning for adaptive bilateral filtering

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

Soft computing-based controller design for a telecom rectifier

Smart home gateway system over Bluetooth low energy with wireless energy transfer capability

On feasibility of 5G-grade dedicated RF charging technology for wireless-powered wearables

Wirelessly powered urban crowd sensing over wearables
Trading energy for data

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

Wireless communications at the nanoscale

MAST: Mask-accelerated shearlet transform for densely-sampled light field reconstruction

In-flight wind field identification and prediction of parafoil systems

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

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

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

Prioritized centrally-controlled resource allocation in integrated multi-RAT HetNets

On the zeros of the partial Hosoya polynomial of graphs

Face typing

Vision-based perceptual interface for hands-free text entry with a scrollable virtual keyboard

Unite and conquer

Univariate and multivariate approaches for finding differentially expressed gene sets

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

Neighborhood Matching for Image Retrieval

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

Random Value Impulse Noise Removal Based on Most Similar Neighbors

Estimation of GFP-tagged RNA numbers from temporal fluorescence intensity data

Julkaisun otsikon käännös: : Estimation of GFP-tagged RNA numbers from temporal fluorescence intensity data

Characterizing rate limiting steps in transcription from RNA production times in live cells

Transforming homo economicus into homo ludens

A field experiment on gamification in a utilitarian peer-to-peer trading service

Gamification, quantified-self or social networking? Matching users' goals with motivational technology

Uses and Gratifications of Pokémon Go

Why do People Play Mobile Location-Based Augmented Reality Games?

Towards semantic self-description of industrial devices and control system interfaces

Effect of feeder cable's phase tolerance on the first sidelobe level of base station antenna

Roadmap for organic and printed electronics

Backshoring of production in the context of a small and open Nordic economy

Power and wavelength scaling using semiconductor disk laser - bismuth fiber MOPA systems

Hardware-in-the-loop platform for testing autonomous vehicle control algorithms

How do academics experience use of recorded audio feedback in higher education? A thematic analysis

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Decentralized file sharing application for mobile devices

Recent advances in antenna design and interference cancellation algorithms for in-band full duplex relays

How do students solve parsons programming problems? - Execution-based vs. line-based feedback

Microflow-Based Device for In Vitro and Ex Vivo Drug Permeability Studies

Participatory development of user experience design guidelines for a B2B company

Focusing on user experience and business models in startups
Investigation of two-dimensional value creation

Multithreaded simulation for synchronous dataflow graphs

Wear and corrosion behaviour of HVOF coatings engineered from conventional WC-Co-Cr and conventional WC-Co-Cr added nanostructured Wc-Co powders

Robust Regulation of Infinite-Dimensional Port-Hamiltonian Systems

Approximate robust output regulation of boundary control systems

Wideband self-adaptive RF cancellation circuit for full-duplex radio
Operating principle and measurements

Busting myths of electronic word of mouth
The relationship between customer ratings and the sales of mobile applications

The emerging application ecosystems
An introductory analysis of android ecosystem

Full-reference metrics multidistortional analysis

Robust linearized combined metrics of image visual quality

Combined no-reference IQA metric and its performance analysis

Graph Embedded Extreme Learning Machine

Distance-based human action recognition using optimized class representations

DropELM
Fast neural network regularization with Dropout and DropConnect

Class-Specific Reference Discriminant Analysis With Application in Human Behavior Analysis

Regularized extreme learning machine for multi-view semi-supervised action recognition

Extreme learning machine based supervised subspace learning

Learning sparse representations for view-independent human action recognition based on fuzzy distances

View-independent human action recognition based on multi-view action images and discriminant learning

Multidimensional sequence classification based on fuzzy distances and discriminant analysis

Person identification from actions based on dynemes and discriminant learning

On the optimal class representation in linear discriminant analysis

Dots-on-the-fly electron beam lithography

On delay distribution in IEEE 802.11 wireless networks

Kalman-Type Filters and Smoothers for Pedestrian Dead Reckoning

Internet of Autonomous Vehicles
Architecture, Features, and Socio-Technological Challenges

Task-based information interaction evaluation
The viewpoint of program theory

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

Short-term power load forecasting using grey correlation contest modeling

Mobile Journalist Toolkit
A field study on producing news articles with a mobile device

Experimental analysis on the turning of aluminum alloy 7075 based on Taguchi method and artificial neural network

On computation of calcium cycling anomalies in cardiomyocytes data

Temporal dimensions of affect in user experience of digital news in the field

Development of measurement instrument for visual qualities of graphical user interface elements (VISQUAL)
a test in the context of mobile game icons

MECSELS with direct emission in the 760 nm to 810 nm spectral range
A single- and double-side pumping comparison and high-power continuous-wave operation

Influence factors for sharing open science and open educational resources through social networking services

Viewport-adaptive encoding and streaming of 360-degree video for virtual reality applications

Standard-compliant multiview video coding and streaming for virtual reality applications

Adjoint-based optimization in the development of low-emission industrial boilers

Pulsed high-power yellow-orange VECSEL

Julkaisun otsikon käännös: : Pulsed high-power yellow-orange VECSEL

1180nm VECSEL with 50 W output power

An enumeration-based model predictive control strategy for the cascaded H-bridge multilevel rectifier

Variable switching point predictive torque control

Service-oriented approach to improve interoperability of e-learning systems

Integrated multi-wavelength mid-IR light source for gas sensing

Maturity assessment for implementing and using product lifecycle management in project-oriented engineering companies

Rethinking Playing Research

DJ HERO and Methodological Observations in the Mix

Comparative analysis of tissue reconstruction algorithms for 3D histology

An approach to production scheduling optimization a case of an oil lubrication and hydraulic systems manufacturer

Computational wavelength resolution for in-line lensless holography

Phase-coded diffraction patterns and wavefront group-sparsity

Multiwavelength surface contouring from phase-coded diffraction patterns

Virtualizing power cords by wireless power transmission and energy harvesting

Fast Water Simulation Methods for Games

Performance evaluation of distributed NoTA applications on multi-core platforms

2.4 GHz inkjet-printed RF energy harvester on bulk cardboard substrate

RF tag front-end design for uncompromised communication and harvesting

Single exposure lensless subpixel phase imaging

Stability-Guaranteed Force-Sensorless Contact Force/Motion Control of Heavy-Duty Hydraulic Manipulators

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

Energy-efficient and high-precision control of hydraulic robots

Secure Firmware Updates for IoT

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Robust data reconciliation of combustion variables in multi-fuel fired industrial boilers

Indirect NO_x emission monitoring in natural gas fired boilers

Asymmetric full-duplex with contiguous downlink carrier aggregation

Full-duplex mobile device
Pushing the limits

Transmit Power Optimization and Feasibility Analysis of Self-backhauling Full-Duplex Radio Access Systems

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

Monolithic GaInNAsSb/GaAs VECSEL emitting at 1550 nm

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

Architectures and codecs for real-time light field streaming

Method of data compression for traffic monitoring

Propagation dynamics of ultrabroadband terahertz beams with orbital angular momentum for wireless data transfer

Complex-domain sparse imaging in terahertz pulse time-domain holography with balance detection

Emptiness problems for distributed automata

Modeling mass transfer in fracture flows with the time domain-random walk method

Evaluating a Future Remote Control Environment with an Experience-Driven Science Fiction Prototype

Reduced Order Internal Models in the Frequency Domain

Color Constancy Convolutional Autoencoder

Organisational knowledge flows and structural change the case of dispersed education organizations

Flow-bounded trajectory-scaling algorithm for hydraulic robotic manipulators

Multi-sensor next-best-view planning as matroid-constrained submodular maximization

On the definition of dynamic software measures

Inkjet printing of radio frequency electronics
Design methodologies and application of novel nanotechnologies

Green (In,Ga,Al)P-GaP light-emitting diodes grown on high-index GaAs surfaces

>8W GaInNAs VECSEL emitting at 615 nm

Preventing keystroke based identification in open data sets

Comparison of time metrics in programming

A dynamical quality model to continuously monitor software maintenance

MVP Explained
A Systematic Mapping Study on the Definitions of Minimal Viable Product

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

Using and collecting fine-grained usage data to improve online learning materials

Predicting academic success based on learning material usage

Optimizing wirelessly powered crowd sensing
Trading energy for data

Error analysis of NOMA-based user cooperation with SWIPT

Multistep reactions of water with small Pd_n clusters
A first principles study

Iterative unsupervised domain adaptation for generalized cell detection from brightfield z-stacks

Preparation of water-based carbon nanotube inks and application in the inkjet printing of carbon nanotube gas sensors

Utilizing MOOCs in the development of education and training programs

Indirect measurement of the vascular endothelial glycocalyx layer thickness in human submucosal capillaries with a plugin for ImageJ

Towards sustainable manufacturing by extending Manufacturing Execution System functions

Benefits of Positioning-Aided Communication Technology in High-Frequency Industrial IoT

Wrench feasible workspace analysis of cable-driven parallel manipulators using LMI approach

5G-U: Conceptualizing Integrated Utilization of Licensed and Unlicensed Spectrum for Future IoT

Antroposeeni - A mixed reality game

DYNAMO sound engine - Exploring the aesthetics of dynamic sound interactions

Combining full-reference image visual quality metrics by neural network

Linearization of BJTs with logarithmic predistortion

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Elemental and mixed actinide dioxides
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six models for developer involvement in hybrid OSS projects

Role-based visualization of industrial IoT-based systems

High surface quality welding of aluminum using adjustable ring-mode fiber laser

Investigating mid-air gestures and handhelds in motion tracked environments

Acceptance and perceptions of interactive location-tracking displays

A Portable Microscale Cell Culture System with Indirect Temperature Control

Critical study of Newmark-scheme on manifold of finite rotations
Julkaisun otsikon käännös: : Critical study of Newmark-scheme on manifold of finite rotations

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

Inertial Sensor-Based State Estimation of Flexible Links Subject to Bending and Torsion

Redundancy-based visual tool center point pose estimation for long-reach manipulators

Coordinating proactive social devices in a mobile cloud
Lessons learned and a way forward

Elastic image registration for guiding focal laser ablation of prostate cancer
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Correlates of social media fatigue and academic performance decrement
A large cross-sectional study

Biomechanical performance of cranial implants with different thicknesses and material properties
A finite element study

Fault tolerant control architecture design for mobile manipulation in scientific facilities

On the Performance of Visible Light Communication Systems with Non-Orthogonal Multiple Access

Optical Asymmetric Modulation for VLC Systems - Invited Paper

Analytical model for magnetic anisotropy of non-oriented steel sheets

Molecular Communications Pulse-based Jamming Model for Bacterial Biofilm Suppression

SCIP
a single-cell image processor toolbox

Quality and Capacity Analysis of Molecular Communications in Bacterial Synthetic Logic Circuits

Highly-efficient Ho:KY(WO₄)₂ thin-disk lasers at 2.06 μm

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

Software visualization today - Systematic literature review

A survey on control of hydraulic robotic manipulators with projection to future trends

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Image-Based Localization Using Hourglass Networks

DGC-Net
Dense geometric correspondence network

1.55-μm wavelength wafer-fused OP-VECSELs in flip-chip configuration

Activation game for older adults - Development and initial user experiences

Metrics for polyphonic sound event detection

The lord of the sense
A privacy preserving reputation system for participatory sensing applications

Energy Efficiency of Multi-Radio Massive Machine-Type Communication (MR-MMTC)
Applications, Challenges, and Solutions

Nocturnal Heart Rate Variability Spectrum Characterization in Preschool Children with Asthmatic Symptoms

Compression of signs of DCT coefficients for additional lossless compression of JPEG images

Generic platform for manufacturing execution system functions in knowledge-driven manufacturing systems

Configuring and visualizing the data resources in a cloud-based data collection framework

A multi-agent approach for processing industrial enterprise data

Hot pen and laser writable photonic polymer films

Towards an approach for evaluating the quality of requirements

Modified Wilkinson power divider with harmonics suppression and compact size for GSM applications

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

Position Estimation for Drones based on Visual SLAM and IMU in GPS-denied Environment

Structural Measures for Network Biology Using QuACN

Color-distribution similarity by information theoretic divergence for color images

Video summarization based on Subclass Support Vector Data Description

An ensemble of visual features for Gaussians of local descriptors and non-binary coding for texture descriptors

Data augmentation approaches for improving animal audio classification

Conformal mapping of the human scapula to generate dense landmark features

Experimental study of bispectrum-based encoding in radio communication system

Bispectrum-based demodulation technique using triple-channel heterodyning of triplet-signal

Texture detection in noisy images by combining several local parameters

Cyclic quantum walks
Photonic realization and decoherence analysis

SkyMedia - UAV-based capturing of HD/3D content with WSN augmentation for immersive media experiences

Elementary math to close the digital skills gap

Code ABC hackathons
Teachers as tinkers

Using enterprise architecture artefacts in an organisation

Digital storytelling promoting twenty-first century skills and student engagement

Complex elevator system DSM-case for a DSM design sprint

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

Dynamic response to process disturbances—A comparison between TMB/SMB models in transient regime

Chromatographic studies of n-Propyl Propionate
Adsorption equilibrium, modelling and uncertainties determination

Ultra-large mode area single frequency anisotropic MOPA with double clad Yb-doped tapered fiber

Checking visual data flow programs with finite process models

Database-driven tool support for DisCo executable specifications

OASIS deck of cards - House of colleagues
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MurMur Moderators, the talking playful seats

Serverless
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System integration for real-time mobile manipulation

Feasibility characterization of cryptographic primitives for constrained (wearable) IoT devices

Toward trusted, social-aware D2D connectivity
Bridging across the technology and sociality realms

System-level analysis of IEEE 802.11ah technology for unsaturated MTC traffic

Effects of Heterogeneous Mobility on D2D-and Drone-Assisted Mission-Critical MTC in 5G

Optimal subgroup configuration for multicast services over 5G-satellite systems

Time-Dependent Energy and Resource Management in Mobility-Aware D2D-Empowered 5G Systems

Caching-Aided Collaborative D2D Operation for Predictive Data Dissemination in Industrial IoT

Transparency of intentions decreases privacy concerns in ubiquitous surveillance

Labyrinth based left-handed metamaterials and sub-wavelength focusing of electromagnetic waves

Social Network Games
Players' Perspectives

Fault tolerant machine learning for nanoscale cognitive radio

Probabilistic approach to physical object disentangling

Brownfield Process
A method for modular product family development aiming for product configuration

Towards secure cloud orchestration for multi-cloud deployments

Visual Voice Activity Detection in the Wild

Designing controllers with reduced order internal models

Polynomial Input-Output Stability for Linear Systems

Robust Output Regulation for Continuous-Time Periodic Systems

The effect of percutaneous transluminal angioplasty of superficial femoral artery on pulse wave features

Effects of percutaneous transluminal angioplasty of superficial femoral artery on photoplethysmographic pulse transit times

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

Focus model for metric depth estimation in standard plenoptic cameras

Photovoltaic plant cloud shadowing and energy drops in Northern Europe

Interference and SINR in Millimeter Wave and Terahertz Communication Systems With Blocking and Directional Antennas

Last Meter Indoor Terahertz Wireless Access
Performance Insights and Implementation Roadmap

Breaking the limits in urban video monitoring
Massive crowd sourced surveillance over vehicles

On Unified Vehicular Communications and Radar Sensing in Millimeter-Wave and Low Terahertz Bands

A membrane external-cavity surface-emitting laser (MECSEL) with emission around 825 nm

Understanding social OER environments-A quantitative study on factors influencing the motivation to share and collaborate

Deliberate or Instinctive? Proactive and Reactive Coping for Technostress

Measuring stem diameters with TLS in boreal forests by complementary fitting procedure

The effect of lake bottom sediment layers on radionuclide transport from bedrock to biosphere and doses to humans

Visually lossless compression of synthetic aperture radar images

Methods and tools for denoising of complex-valued images based on block-matching and high order singular value decomposition

Blind estimation of white Gaussian noise variance in highly textured images

Additional lossless compression of JPEG images based on BPG

Phase masks optimization for broadband diffractive imaging

Highly dynamic spectrum management within licensed shared access regulatory framework

Wireless chipless passive electromagnetic transducers for SHM applications

Bayes Forest

A data-intensive generator of morphological tree clones

Simulation of oxygen exchange of SnO₂ surface

Forward simulation and inverse dipole localization with the lowest order Raviart - Thomas elements for electroencephalography

Advanced boundary electrode modeling for tES and parallel tES/EEG

Communication challenges in high-density deployments of wearable wireless devices

A novel stochastic channel modeling approach for mmWave systems with beamforming

Revisiting gray pixel for statistical illumination estimation

Observation of local electroluminescent cooling and identifying the remaining challenges

Gene Sets Net Correlations Analysis (GSNCA)
A multivariate differential coexpression test for gene sets

Comparative evaluation of gene set analysis approaches for RNA-Seq data

Gene set analysis for self-contained tests
Complex null and specific alternative hypotheses

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Bioconductor package for Gene Set analysis in R

Comparison of Saltation, Amplitude Modulation, and a Hybrid Method of Vibrotactile Stimulation

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

Monitoring pH, temperature and humidity in long-term stem cell culture in CO₂ incubator

Casual immersive viewing with smartphones

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

Towards the Utilization of Crowdsourcing in Traffic Condition Reporting

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

Intellectual capital and bi-tools in private healthcare value creation

Active scanner control on paper machines

A Proxy-Based Solution for Asynchronous Telemedical Systems

Statistical short-term network planning of distribution system and distributed generation

Characterization of charge in airborne fungal spores

Semantic Labeling of Places based on Phone Usage Features using Supervised Learning
Julkaisun otsikon käännös: : Semantic Labeling of Places based on Phone Usage Features using Supervised Learning

High-performance SIMD implementation of the lattice-Boltzmann method on the Xeon Phi processor

A robust AMMI model for the analysis of genotype-by-environment data

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

Exploiting RSS measurements among neighbouring devices
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Making the cloud work for software producers
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Wake-up Radio-Based 5G Mobile Access
Methods, Benefits, and Challenges

A method for predicting DCT-based denoising efficiency for grayscale images corrupted by AWGN and additive spatially correlated noise

HVS-based local analysis of denoising efficiency for DCT-based filters

Trading exploits online
A preliminary case study

Describing mobile devices as RESTful services for the end-users

Conversion of sparsely-captured light field into alias-free fullparallax multiview content

Planar monopole antennas on substrates fabricated through an additive manufacturing process

An origami inspired reconfigurable spiral antenna

Short-range supercontinuum based lidar for combustion diagnostics

Games and energy
Profiling power usage during play

Olfactory display prototype for presenting and sensing authentic and synthetic odors

Long-term epileptic EEG classification via 2D mapping and textural features

Characterizing Resource Allocation Trade-Offs in 5G NR Serving Multicast and Unicast Traffic

A hand-held immaterial volumetric display

Multicolor nonlinear pulse compression by consecutive optical parametric amplification in quasi-phase matched structures

Exploiting suppliers' potential in construction innovations

Tailoring directional scattering of second-harmonic generation from (111)-GaAs nanoantennas

Performance Analysis of Single Carrier Coherent and Noncoherent Modulation under I/Q Imbalance

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Time-dose integrated modelling of toxicogenomics data

Estimation of additional losses due to random contacts at the edges of stator of an electrical machine

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The Effect of Ultrasonic Dispersion on the Surface Chemistry of Carbon Nanotubes in the Jeffamine D-230 Polyetheramine Medium

Body-touching
An embodied interaction technique for health information systems in developing regions

Performance Evaluation of Coordinated Multipoint Transmission at 28 GHz Frequency Using 3D Ray Tracing

Design and synthesis for multimedia systems using the targeted dataflow interchange format

A design tool for efficient mapping of multimedia applications onto heterogeneous platforms

Challenges and recommended practices for software architecting in global software development

Benchmarking DFT methods with small basis sets for the calculation of halogen-bond strengths

Effect of surfactant type and sonication energy on the electrical conductivity properties of nanocellulose-CNT nanocomposite films

Collaborative cloud-based management of home networks

Cybersecurity Attacks and Defences for Unmanned Smart Ships

Empirical Effects of Dynamic Human-Body Blockage in 60 GHz Communications

Real-time depth image-based rendering with layered dis-occlusion compensation and aliasing-free composition

Layered approach for improving the quality of free-viewpoint depth-image-based rendering images

Ergodic Capacity Analysis of Wireless Transmission over Generalized Multipath/Shadowing Channels

Portable sensor system for reliable condition measurement

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Probabilistic inertial-visual odometry for occlusion-robust navigation

Technologies for Efficient Amateur Drone Detection in 5G Millimeter-Wave Cellular Infrastructure

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

Ray-based evaluation of dual-polarized MIMO in (Ultra-)dense millimeter-wave urban deployments

Characterization of the anisotropic deformation of the right ventricle during open heart surgery

Studying the Elusive Experience in Pervasive Games

Social interaction in games

Importance of the ion-pair interactions in the OPEP coarse-grained force field
Parametrization and validation

Effective variable switching point predictive current control for ac low-voltage drives

Dynamic laser speckle metrology with binarization of speckle patterns

Detection of bubbles as concentric circular arrangements

Optical and topographic changes in water-responsive patterned cholesteric liquid crystalline polymer coatings

SamExploreR
Exploring reproducibility and robustness of RNA-seq results based on SAM files

A novel framework for design and implementation of adaptive stream mining systems

Condition monitoring of storage batteries in telecom power systems-crisp vs. soft computing methodology

Preserving natural scene lighting by strobe-lit video

Framework for optimization and scheduling of a copper production plant

Multiobjective TDMA optimization for neuron-based molecular communication

Preface
Special Issue on 'New Hydraulic Components for Tough Robots'

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

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

KPI-ML based integration of industrial information systems

How developers perceive smells in source code
A replicated study

Architectural patterns for microservices
A systematic mapping study

From monolithic systems to microservices
A decomposition framework based on process mining

Patterns for serverless functions (Function-as-a-Service)
A multivocal literature review

Positioning and Location-Aware Communications for Modern Railways with 5G New Radio

Detection of beat-to-beat intervals from wrist photoplethysmography in patients with sinus rhythm and atrial fibrillation after surgery

The assessment of constructability
BIM cases

Digging deeper into egocentric gaze prediction

DNA Molecular Storage System
Transferring Digitally Encoded Information through Bacterial Nanonetworks

Tuberculosis transmission
Modelled impact of air-tightness in dwellings in the UK

Using building simulation to model the drying of flooded building archetypes

Summarization of User-Generated Sports Video by Using Deep Action Recognition Features

Real-time and Robust Collaborative Robot Motion Control with Microsoft Kinect ® v2

Tree species classification using structural features derived from terrestrial laser scanning

Avoiding anomalies when modeling a many-to-many relationship in a multidimensional database

Computation of Dynamic Polarizabilities and van der Waals Coefficients from Path-Integral Monte Carlo

Lean manufacturing methods in simulation literature
Review and association analysis

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

NetBioV
An R package for visualizing large network data in biology and medicine

sgnesR
An R package for simulating gene expression data from an underlying real gene network structure considering delay parameters

ICface
Interpretable and controllable face reenactment using GANs

Necessary and sufficient conditions for the existence of solution of generalized fuzzy relation equations $A \Leftrightarrow X = B$

Dynamic social trust associations over d2d communications
An implementation perspective

A multi-purpose automated vehicular platform with multi-radio connectivity capabilities

AvanTomography
A compact module for positron emission mammography

Continuous-wave optical parametric oscillators for mid-infrared spectroscopy

Dual Structured Convolutional Neural Network with Feature Augmentation for Quantitative Characterization of Tissue Histology

Mixed-integer linear programming approach for global discrete sizing optimization of frame structures

Challenges and capabilities of conductive polymeric materials for electromechanical stimulation of stem cells
A case study

High-power 1550 nm tapered DBR lasers fabricated using soft UV-nanoimprint lithography

1.3 μ m U-bend traveling wave SOA devices for high efficiency coupling to silicon photonics

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

Linear accelerometers and rate gyros for rotary joint angle estimation of heavy-duty mobile manipulators using forward kinematic modeling

No-reference visual quality assessment for image inpainting

Depth map occlusion filling and scene reconstruction using modified exemplar-based inpainting

Combined local and global image enhancement algorithm

Action recognition using the 3D dense microblock difference

A Mixed Finite Element Method to Solve the EEG Forward Problem

HTML5-based mobile agents for Web-of-Things

Density functional theory study of transition metals doped B₈₀ fullerene

Empowering Heterogeneous Communication Data Links in General Aviation through mmWave Signals

73-fs SESAM mode-locked Tm,Ho:CNGG laser at 2061 nm

CNN-based edge filtering for object proposals

Customized dimensional analysis conceptual modelling framework for design optimization—a case study on the cross-flow micro turbine model

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

Employing Knowledge on Causal Relationship to Assist Multidisciplinary Design Optimization