

1180nm VECSEL with 50 W output power

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

1.55- μ m wavelength wafer-fused OP-VECSELs in flip-chip configuration

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

405-nm pumped Ce³⁺-doped silica fiber for broadband fluorescence from cyan to red

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

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

Acceptance and perceptions of interactive location-tracking displays

A computational approach to construct a multivariate complete graph invariant

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

Action and power efficiency in self-organization

The case for growth efficiency as a cellular objective in escherichia coli

Action recognition using the 3D dense microblock difference

Activation game for older adults - Development and initial user experiences

Active scanner control on paper machines

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

Adaptive sampling for compressed sensing based image compression

Additional lossless compression of JPEG images based on BPG

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

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

Advanced boundary electrode modeling for tES and parallel tES/EEG

A dynamical quality model to continuously monitor software maintenance

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

A hand-held immaterial volumetric display

A heterosynaptic learning rule for neural networks

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

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

A Mixed Finite Element Method to Solve the EEG Forward Problem

A multi-agent approach for processing industrial enterprise data

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

Analysis of a city-region from the knowledge perspective
Tampere, Finland

Analytical model for magnetic anisotropy of non-oriented steel sheets

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

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

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

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

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

An origami inspired reconfigurable spiral antenna

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

A novel stochastic channel modeling approach for mmWave systems with beamforming

Anthropometric clothing measurements from 3D body scans

Antroposeeni - A mixed reality game

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

A Portable Microscale Cell Culture System with Indirect Temperature Control

Approximate robust output regulation of boundary control systems

A Primal Neural Network for Online Equality-Constrained Quadratic Programming

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

A Proxy-Based Solution for Asynchronous Telemedical Systems

Architectural patterns for microservices

A systematic mapping study

Architectures and codecs for real-time light field streaming

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

Asterism

Decentralized file sharing application for mobile devices

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

Asymmetric full-duplex with contiguous downlink carrier aggregation

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

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

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

AvanTomography

A compact module for positron emission mammography

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

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

BACOM

In silico detection of genomic deletion types and correction of normal cell contamination in copy number data

Bayes Forest

A data-intensive generator of morphological tree clones

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

Benchmarking of several disparity estimation algorithms for light field processing

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

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

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

Biological principles for future Internet architecture design

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

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

Blind estimation of speckle variance in synthetic aperture radar images

Blind estimation of white Gaussian noise variance in highly textured images

BM3D-HVS
Content-Adaptive denoising for improved visual quality

Body area nanonetworks with molecular communications in nanomedicine

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

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

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

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

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

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

Casual immersive viewing with smartphones

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

Challenges and recommended practices for software architecting in global software development

Characterization of charge in airborne fungal spores

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

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

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

Checking visual data flow programs with finite process models

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

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

Classification of large graphs by a local tree decomposition

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

CNN-based edge filtering for object proposals

Code ABC hackathons
Teachers as tinkers

Collaborative cloud-based management of home networks

Color Constancy Convolutional Autoencoder

Color-distribution similarity by information theoretic divergence for color images

Combined local and global image enhancement algorithm

Combined no-reference IQA metric and its performance analysis

Combining full-reference image visual quality metrics by neural network

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

Communication challenges in high-density deployments of wearable wireless devices

Comparative analysis of tissue reconstruction algorithms for 3D histology

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

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

Comparison of time metrics in programming

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

Complex elevator system DSM-case for a DSM design sprint

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

Compressive strain measurement using RFID patch antenna sensors

Computational wavelength resolution for in-line lensless holography
Phase-coded diffraction patterns and wavefront group-sparsity

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

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

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

Conformal mapping of the human scapula to generate dense landmark features

Continuous-wave optical parametric oscillators for mid-infrared spectroscopy

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

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

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

Crack propagation measurement using a battery-free slotted patch antenna sensor

Critical study of Newmark-scheme on manifold of finite rotations

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

Cybersecurity Attacks and Defences for Unmanned Smart Ships

Cyclic quantum walks
Photonic realization and decoherence analysis

Data augmentation approaches for improving animal audio classification

Database-driven tool support for DisCo executable specifications

Deep p-Fibonacci scattering networks

Deliberate or Instinctive? Proactive and Reactive Coping for Technostress

Dense Moving Fog for Intelligent IoT
Key Challenges and Opportunities

Density functional theory study of transition metals doped B₈₀ fullerene

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

Describing mobile devices as RESTful services for the end-users

Design and simulation of a slotted patch antenna sensor for wireless strain sensing

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

Designing controllers with reduced order internal models

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

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

Detection of bubbles as concentric circular arrangements

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

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

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

DevOps in practice
A multiple case study of five companies

DGC-Net
Dense geometric correspondence network

Digging deeper into egocentric gaze prediction

Digital predistortion for mitigating spurious emissions in spectrally agile radios

Digital storytelling promoting twenty-first century skills and student engagement

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

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

Distance-based human action recognition using optimized class representations

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

Distributed pervasive services using group service communication supporting body area networks

DNA Molecular Storage System

Transferring Digitally Encoded Information through Bacterial Nanonetworks

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

Dots-on-the-fly electron beam lithography

DropELM

Fast neural network regularization with Dropout and DropConnect

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

Dynamic laser speckle metrology with binarization of speckle patterns

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

Dynamic social trust associations over d2d communications

An implementation perspective

DYNAMO sound engine - Exploring the aesthetics of dynamic sound interactions

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

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

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

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

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

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

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

Efficient coding of 360-degree pseudo-cylindrical panoramic video for virtual reality applications

Elastic image registration for guiding focal laser ablation of prostate cancer
Preliminary results

Elemental and mixed actinide dioxides
An ab initio study

Elementary math to close the digital skills gap

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

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

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

Employing Knowledge on Causal Relationship to Assist Multidisciplinary Design Optimization

Empowering Heterogeneous Communication Data Links in General Aviation through mmWave Signals

Emptiness problems for distributed automata

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

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

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

Energy-efficient and high-precision control of hydraulic robots

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

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

Error analysis of NOMA-based user cooperation with SWIPT

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

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

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

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

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

Experimental study of bispectrum-based encoding in radio communication system

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

Exploiting RSS measurements among neighbouring devices
A matter of trust

Exploiting suppliers' potential in construction innovations

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

Extreme learning machine based supervised subspace learning

Fabrication and characterization of broadband superluminescent diodes for 2 μm wavelength

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

Face verification and recognition for digital forensics and information security

Fast Water Simulation Methods for Games

Fault tolerant control architecture design for mobile manipulation in scientific facilities

Fault tolerant machine learning for nanoscale cognitive radio

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

Fifty years of graph matching, network alignment and network comparison

FinnForest dataset
A forest landscape for visual SLAM

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

Flow-bounded trajectory-scaling algorithm for hydraulic robotic manipulators

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

Focus model for metric depth estimation in standard plenoptic cameras

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

Framework for optimization and scheduling of a copper production plant

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

Full-duplex mobile device
Pushing the limits

Full-reference metrics multidistortional analysis

Functional and genetic analysis of the colon cancer network.

Future of Ultra-Dense Networks Beyond 5G
Harnessing Heterogeneous Moving Cells

Games and energy
Profiling power usage during play

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

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

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

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

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

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

Global information processing in gene networks
Fault tolerance

Graph based representation and analyses for conceptual stages

Graph Embedded Extreme Learning Machine

Graph measures with high discrimination power revisited
A random polynomial approach

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

GSAR
Bioconductor package for Gene Set analysis in R

>8W GaInNAs VECSEL emitting at 615 nm

Guest editorial introduction to the focused section on design and control of hydraulic robots

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

Guest editorial special issue on the internet of nano things

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

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

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

Hermitian normalized Laplacian matrix for directed networks

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

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

Highly dynamic spectrum management within licensed shared access regulatory framework

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

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

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

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

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

Hot pen and laser writable photonic polymer films

How developers perceive smells in source code
A replicated study

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

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

How to design gamification? A method for engineering gamified software

HTML5-based mobile agents for Web-of-Things

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

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

ICface

Interpretable and controllable face reenactment using GANs

Idea-space

A use case of collaborative course development in higher education

Image-Based Localization Using Hourglass Networks

Image interpolation based on non-local geometric similarities

Image interpolation based on non-local geometric similarities and directional gradients

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

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

Improving the delivery cycle

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

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

Indirect NO_x emission monitoring in natural gas fired boilers

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

Inferring the conservative causal core of gene regulatory networks

In-flightwind field identification and prediction of parafoil systems

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

Information processing in the transcriptional regulatory network of yeast
Functional robustness

Inkjet printing of radio frequency electronics

Design methodologies and application of novel nanotechnologies

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

Integrating III-V, Si, and polymer waveguides for optical interconnects
RAPIDO

Intellectual capital and bi-tools in private healthcare value creation

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

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

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

Internet of Things and Sensor Networks

Investigating mid-air gestures and handhelds in motion tracked environments

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

Kalman-Type Filters and Smoothers for Pedestrian Dead Reckoning

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

KPI-ML based integration of industrial information systems

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

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

Last Meter Indoor Terahertz Wireless Access
Performance Insights and Implementation Roadmap

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

Lean manufacturing methods in simulation literature
Review and association analysis

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

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

Linearization of BJTs with logarithmic predistortion

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

Machine learning for adaptive bilateral filtering

Magnetomechanical coupled FE simulations of rotating electrical machines

Making the cloud work for software producers
Linking architecture, operating cost and revenue

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

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

Measurements of Mobile Blockchain Execution Impact on Smartphone Battery

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

Measuring bend losses in large-mode-area fibers

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

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

Method for Simulating Dose Reduction in Digital Breast Tomosynthesis

Method of data compression for traffic monitoring

Methodology to obtain the security controls in multi-cloud applications

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

Metrics for polyphonic sound event detection

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

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

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

Mobility aware eMBMS management in urban 5G-oriented systems

Mode coupling in few-mode large-mode-area fibers

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

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

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

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

Molecular Communications Pulse-based Jamming Model for Bacterial Biofilm Suppression

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

Monolithic GaInNAsSb/GaAs VECSEL emitting at 1550 nm

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

Multi-carrier CDMA for network assisted device-to-device communications for an integrated OFDMA cellular system

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

Multidimensional sequence classification based on fuzzy distances and discriminant analysis

Multiobjective TDMA optimization for neuron-based molecular communication

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

Multi-physics modeling and simulation of a slotted patch antenna for wireless strain sensing

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

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

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

Multithreaded simulation for synchronous dataflow graphs

Multiwavelength surface contouring from phase-coded diffraction patterns

MurMur Moderators, the talking playful seats

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

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

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

Neighborhood Matching for Image Retrieval

NetBioV

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

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Assessing gene network inference algorithms by network-based measures

Network classes and graph complexity measures

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

Noise minimized high resolution digital holographic microscopy applied to surface topography

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

No-reference visual quality assessment for image inpainting

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

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

OASIS deck of cards - House of colleagues

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Observation of local electroluminescent cooling and identifying the remaining challenges

OFDM radar with LTE waveform

Processing and performance

Olfactory display prototype for presenting and sensing authentic and synthetic odors

On computation of calcium cycling anomalies in cardiomyocytes data

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

On delay distribution in IEEE 802.11 wireless networks

On entropy-based molecular descriptors

Statistical analysis of real and synthetic chemical structures

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On the complexity of restoring corrupted colorings

On the definition of dynamic software measures

On the degeneracy of the Randić entropy and related graph measures

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

On the optimal class representation in linear discriminant analysis

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

On the zeros of the partial Hosoya polynomial of graphs

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

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

Optical Asymmetric Modulation for VLC Systems - Invited Paper

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

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

Optimizing wirelessly powered crowd sensing
Trading energy for data

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

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

Organizing for openness
six models for developer involvement in hybrid OSS projects

Participatory development of user experience design guidelines for a B2B company

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

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

Performance evaluation of bandwidth reservation for mmWave 5G NR systems

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

Performance evaluation of distributed NoTA applications on multi-core platforms

Person identification from actions based on dynemes and discriminant learning

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

Phase masks optimization for broadband diffractive imaging

Photovoltaic plant cloud shadowing and energy drops in Northern Europe

Picosecond MOPA with ytterbium doped tapered double clad fiber

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Probabilistic inertial-visual odometry for occlusion-robust navigation

Planar monopole antennas on substrates fabricated through an additive manufacturing process

Polynomial Input-Output Stability for Linear Systems

Portable sensor system for reliable condition measurement

Portrait instance segmentation for mobile devices

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

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

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

Preserving natural scene lighting by strobe-lit video

Preventing keystroke based identification in open data sets

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

Probabilistic approach to physical object disentangling

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

Pulsed high-power yellow-orange VECSEL

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

Quantitative Graph Theory

A new branch of graph theory and network science

Quantitative + qualitative information for heritage conservation

An open science research for paving 'collaboratively' the way to historical-BIM

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Random Value Impulse Noise Removal Based on Most Similar Neighbors

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

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

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

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

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

Reduced Order Internal Models in the Frequency Domain

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

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

Rethinking Playing Research

DJ HERO and Methodological Observations in the Mix

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

Revisiting gray pixel for statistical illumination estimation

RF tag front-end design for uncompromised communication and harvesting

Roadmap for organic and printed electronics

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

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Robustness in scale-free networks
Comparing directed and undirected networks

Robust Output Regulation for Continuous-Time Periodic Systems

Robust Regulation of Infinite-Dimensional Port-Hamiltonian Systems

Role-based visualization of industrial IoT-based systems

Safety at chimney-roof penetration
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SamExploreR
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Secure Firmware Updates for IoT
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Serverless
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Service-oriented approach to improve interoperability of e-learning systems

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

Short-range supercontinuum based lidar for combustion diagnostics

Short-term power load forecasting using grey correlation contest modeling

Simulation of oxygen exchange of SnO₂ surface

Simultaneous binary hash and features learning for image retrieval

Single exposure lensless subpixel phase imaging

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

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

Smartphone teleoperation for self-balancing telepresence robots

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Socially inspired relaying and proactive mode selection in mmWave vehicular communications

Social media overload, exhaustion, and use discontinuance
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Social Network Games
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Soft computing-based controller design for a telecom rectifier

Soft robotic gripper with compliant cell stacks for industrial part handling

Software visualization today - Systematic literature review

Spectral and energy efficiency of ultra-dense networks under different deployment strategies

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

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

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

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

Stochastic Sznajd Model in open community

Structural Measures for Network Biology Using QuACN

Studying the Elusive Experience in Pervasive Games

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

Switchable unidirectional second-harmonic emission through GaAs nanoantennas

Systematic integration of flowgraph- and module-level parallelism in implementation of DSP applications on multiprocessor systems-on-chip

System integration for real-time mobile manipulation

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

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

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

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Texture detection in noisy images by combining several local parameters

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

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

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The emerging application ecosystems
An introductory analysis of android ecosystem

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

The internet of Bio-Nano things

The Internet of Things and Sensor Networks

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A privacy preserving reputation system for participatory sensing applications

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Thermal effects on a passive wireless antenna sensor for strain and crack sensing

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Thin form-factor super multiview head-up display system

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

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Time-dose integrated modelling of toxicogenomics data

Towards a channel capacity of communication networks

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

Towards an approach for evaluating the quality of requirements

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

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Towards detecting structural branching and cyclicity in graphs
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Towards semantic self-description of industrial devices and control system interfaces

Towards sustainable manufacturing by extending Manufacturing Execution System functions

Towards the Utilization of Crowdsourcing in Traffic Condition Reporting

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

Trading exploits online
A preliminary case study

Transfer learning using a nonparametric sparse topic model

Transforming homo economicus into homo ludens
A field experiment on gamification in a utilitarian peer-to-peer trading service

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

Transparency of intentions decreases privacy concerns in ubiquitous surveillance

Tree species classification using structural features derived from terrestrial laser scanning

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

Two models for hydraulic cylinders in flexible multibody simulations

UAV-Aided Interference Assessment for Private 5G NR Deployments
Challenges and Solutions

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

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

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

Unite and conquer

Univariate and multivariate approaches for finding differentially expressed gene sets