

Guest editorial special issue on the internet of nano things

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Data augmentation approaches for improving animal audio classification

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Fast neural network regularization with Dropout and DropConnect

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

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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

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

Elastic image registration for guiding focal laser ablation of prostate cancer

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Estimation of GFP-tagged RNA numbers from temporal fluorescence intensity data
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Fast Water Simulation Methods for Games

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Fault tolerant machine learning for nanoscale cognitive radio

Fifty years of graph matching, network alignment and network comparison

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

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

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

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

Gene set analysis for self-contained tests
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Gene Sets Net Correlations Analysis (GSNCA)
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Bioconductor package for Gene Set analysis in R

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High-content screening data management for drug discovery in a small- to medium- size laboratory
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Highly unique network descriptors based on the roots of the permanental polynomial

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

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

How developers perceive smells in source code
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How to design gamification? A method for engineering gamified software

HTML5-based mobile agents for Web-of-Things

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

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

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

Indirect NO_x emission monitoring in natural gas fired boilers

Inferring the conservative causal core of gene regulatory networks

In-flightwind field identification and prediction of parafoil systems

Information processing in the transcriptional regulatory network of yeast
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Inkjet printing of radio frequency electronics
Design methodologies and application of novel nanotechnologies

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

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

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

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

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

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

Measurements of Mobile Blockchain Execution Impact on Smartphone Battery

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

Method for Simulating Dose Reduction in Digital Breast Tomosynthesis

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

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

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

Molecular Communications Pulse-based Jamming Model for Bacterial Biofilm Suppression

Motivating scholars' responses in academic social networking sites
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Multidimensional sequence classification based on fuzzy distances and discriminant analysis

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
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Multithreaded simulation for synchronous dataflow graphs

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Noise minimized high resolution digital holographic microscopy applied to surface topography

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On the complexity of restoring corrupted colorings

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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

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
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Performance evaluation of bandwidth reservation for mmWave 5G NR systems

Planar monopole antennas on substrates fabricated through an additive manufacturing process

Polynomial Input-Output Stability for Linear Systems

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

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

Probabilistic approach to physical object disentangling

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

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

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

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

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Robust Output Regulation for Continuous-Time Periodic Systems

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

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

Short-term power load forecasting using grey correlation contest modeling

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

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Soft robotic gripper with compliant cell stacks for industrial part handling

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Structural Measures for Network Biology Using QuACN

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System integration for real-time mobile manipulation

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Transforming homo economicus into homo ludens
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Urban 3D segmentation and modelling from street view images and LiDAR point clouds

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

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Using building simulation to model the drying of flooded building archetypes

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

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

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

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

Distributed pervasive services using group service communication supporting body area networks

Dots-on-the-fly electron beam lithography

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

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Elementary math to close the digital skills gap

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

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Face verification and recognition for digital forensics and information security

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Flow-bounded trajectory-scaling algorithm for hydraulic robotic manipulators

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

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Haptic user interface enhancement system for touchscreen based interaction
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Hardware-in-the-loop platform for testing autonomous vehicle control algorithms

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

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

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

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Monolithic GaInNAsSb/GaAs VECSEL emitting at 1550 nm

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

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

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A Systematic Mapping Study on the Definitions of Minimal Viable Product

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No-reference visual quality assessment for image inpainting

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

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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

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

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Participatory development of user experience design guidelines for a B2B company

Patterns for serverless functions (Function-as-a-Service)
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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

PETMEI 2011
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

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

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

Predicting academic success based on learning material usage

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

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

Pulsed high-power yellow-orange VECSEL

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

Quantitative + qualitative information for heritage conservation

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

Radar micro-Doppler feature extraction using the Singular Value Decomposition

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

Red Alert

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

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

Revisiting gray pixel for statistical illumination estimation

RF tag front-end design for uncompromised communication and harvesting

Roadmap for organic and printed electronics

Robust linearized combined metrics of image visual quality

Role-based visualization of industrial IoT-based systems

Safety at chimney-roof penetration
A numerical investigation

Secure Firmware Updates for IoT
A Survey

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

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

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

Short-range supercontinuum based lidar for combustion diagnostics

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

Smartphone teleoperation for self-balancing telepresence robots

Soft computing-based controller design for a telecom rectifier

Software visualization today - Systematic literature review

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

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

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

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

Texture detection in noisy images by combining several local parameters

The lord of the sense

A privacy preserving reputation system for participatory sensing applications

The magical world of metamaterials

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

Thickness variation study of RFID-based folded patch antennas for strain sensing

Thin form-factor super multiview head-up display system