Analysis of common rail pressure signal of dual-fuel large industrial engine for identification of injection duration of pilot diesel injectors
Research output: Scientific - peer-review › Article

Capacitive Facial Activity Measurement: Online Detection of Facial Expressions
Rantanen, V. 17 Aug 2017
Research output: Scientific › Digital or Visual Products

Gaussian flow sigma point filter for nonlinear Gaussian state-space models
Research output: Scientific - peer-review › Conference contribution

Monocular vision-based range estimation supported by proprioceptive motion
Davidson, P., Raunio, J-P. & Piche, R. 2017 In : Gyroscopy and Navigation. 8, 2, p. 150-158
Research output: Scientific - peer-review › Article

Suppressing Functional Electrical Stimulation Artifact from Facial Surface EMG Measurements
Research output: Scientific › Paper, poster or abstract

Improved image quality in fast inpainting with omnidirectional filling
Research output: Scientific - peer-review › Conference contribution

Automatic objective thresholding to detect neuronal action potentials
Research output: Scientific - peer-review › Conference contribution

A survey on the feasibility of surface EMG in facial pacing
Research output: Scientific - peer-review › Conference contribution

An efficient indoor positioning particle filter using a floor-plan based proposal distribution
Research output: Scientific - peer-review › Conference contribution

Cramér-Rao Lower Bound for Linear Filtering with t-Distributed Measurement Noise
Research output: Scientific - peer-review › Conference contribution

Statistical Trilateration with Skew-t Distributed Errors in LTE Networks
Research output: Scientific - peer-review › Article

Graph-Based Map Matching for Indoor Positioning
Research output: Scientific - peer-review › Conference contribution
Model structure selection for sparse predictive coding utilizing warped views
Research output: Professional › Conference contribution

CytoSpectre: A tool for spectral analysis of oriented structures on cellular and subcellular levels
Research output: Scientific - peer-review › Article

OpenCRP Ecosystem Demonstration Platform
Research output: Scientific - peer-review › Conference contribution

A NLOS-robust TOA positioning filter based on a skew-t measurement noise model
Research output: Scientific - peer-review › Conference contribution

Noncontact Respiration Monitoring during Sleep with Microwave Doppler Radar
Research output: Scientific - peer-review › Article

Gaussian filtering and variational approximations for Bayesian smoothing in continuous-discrete stochastic dynamic systems
Research output: Scientific - peer-review › Article

Statistical Trilateration with Skew-t Errors
Research output: Scientific - peer-review › Conference contribution

Sparse logistic regression and polynomial modelling for detection of artificial drainage networks
Research output: Scientific - peer-review › Article

Open Cloud-Based PaaS Architecture for Service-Oriented Mobile Robots
Research output: Scientific - peer-review › Article

A comparison of five optical surface topography measurement methods
Research output: Scientific - peer-review › Article

Adaptive autoregressive model for reduction of noise in SPECT
Research output: Scientific - peer-review › Article
Biodegradable passive resonance sensor: Fabrication and initial testing
Research output: Scientific - peer-review › Conference contribution

Data-Driven Approach to Benthic Cover Type Classification Using Bathymetric LiDAR Waveform Analysis
Research output: Scientific - peer-review › Article

Distant speech separation using predicted time-frequency masks from spatial features
Research output: Scientific - peer-review › Article

Effects of sensor type and sensor location on signal quality in bed mounted ballistocardiographic heart rate and respiration monitoring
Research output: Scientific - peer-review › Conference contribution

Navigation Algorithm Combining Building Plans With Autonomous Sensor Data
Research output: Scientific - peer-review › Article

Novel Method For Online Stereo Self-Calibration
Melin, J. & Ritala, R. 2015 XXI IMEKO World Congress "Measurements In Research and Industry".
Research output: Scientific - peer-review › Conference contribution

OpenCRP Ecosystem Demonstration Platform
Research output: Scientific - peer-review › Article

Photometric stereo system for detailed analysis of material surfaces
Research output: Scientific - peer-review › Conference contribution

Prediction of Outcome in Traumatic Brain Injury Patients Using Long-term qEEG Features
Research output: Scientific - peer-review › Conference contribution

Robust vehicle-to-infrastructure video transmission for road surveillance applications
Research output: Scientific - peer-review › Article
Joint Depth and Texture Filtering Targeting MVD Compression
Research output: Scientific - peer-review › Conference contribution

Live video streaming in IEEE 802.11p vehicular networks: Demonstration of an automotive surveillance application
Research output: Scientific - peer-review › Conference contribution

Live Video Streaming in Vehicular Networks
Research output: Scientific - peer-review › Conference contribution

Methods for Rapid Frequency-Domain Characterization of Leakage Currents in Silicon Nanowire-Based Field-Effect Transistors
Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Anthology

Online fault detection of industrial processes by applying pseudo-random sequences
Research output: Scientific - peer-review › Article

Online Grid Impedance Measurement Using Discrete-Interval Binary Sequence Injection
Research output: Scientific - peer-review › Article

Rhythm-based Accuracy Improvement of Heart Beat Detection Algorithms
Research output: Scientific - peer-review › Conference contribution

Row-Interleaved Sampling for Stereoscopic Video Coding Targeting Polarized Displays
Research output: Scientific - peer-review › Conference contribution

Unconstrained Night-Time Heart Rate Monitoring with Capacitive Electrodes
Research output: Scientific - peer-review › Conference contribution
A linear state model for PDR+WLAN positioning
Research output: Scientific - peer-review › Conference contribution

Bandwidth and Storage Reduction of Radio Maps for Offline WLAN Positioning
Research output: Scientific - peer-review › Conference contribution

Device self-calibration in location systems using signal strength histograms
Research output: Scientific - peer-review › Article

Particle filter and smoother for indoor localization
Research output: Scientific - peer-review › Conference contribution