

EEICT 2011

Obsah

Předmluva

Magisterské projekty

Elektronika a komunikace

Čapek, L.

Wireless Sensoric Network for Hop Drying Facility

Havelka, M.

Planar Antenna Array for Receiving the Digital TV Signal

Juhás, M.

Control and Diagnostic System for I2C Bus

Kopecký, P.

Automatization of EM Field Measurement by Narda NBM-550

Kopeček, P.

Adjustable Square - Triangle Wave Generetor

Králíček, M.

Wireless Thermostat

Kubík, M.

Design of Fully-Differential Filters with Synthetic Higher-Order Elements

Macíček, O.

Design of Flow, Temperature and Pressure Measuring System

Nečesaný, J.

Experimental Realization of PC Monitor Through USB

Novotný F.

Creation Real-Time IMS Application

Nowak, D.

Adaptive OFDM

Pitner, I

Remote Wake-On-Lan

Poliak, J.

Effect of Optical Elements on Transmitted Laser Beam

Svoboda, L.

Local Flood Early Warning System

Vožda, M.

Microprocessor Controlled Measurement and Control Temperature

Záplata, F.

Signal Processing Algorithms on AVR32 Platform

Zpracování signálů, obrazu a dat

Bartl, M.

Acceleration of Signal Processing Using GPU

Baše, M.

Detection of Blood-Vessel Bifurcations in Retinal Images

Červenec, R.

Identifying Expression of Emotions in Czech Text

Deyneka, A.

Stochastic and Deterministic Adaptation Algorithms of Equalization Process in Digital Communication Systems

Dvořák, P.

Object Description in Images

Kulig, T.

Realization of Hand-Held Digital Oscilloscope

Kurc, D.

Noise Source Identification Using Beamforming

Miksl, J.

Electronically Adjustable Oscillator Employing Commercially Accessible Current Mode Multipliers

Novotný, P.

Signal Processing in Low-Coherence Interferometry

Podlipná, P.

Multimodal Retinal Image Registration

Svoboda, T.

Detection, Localization and Recognition of Traffic Signs

Šikula, V.

Retinal Image Registration Using Phase Correlation

Štraus, P.

FPGA Based Remote Sensing A/D Module

Toufarová, T.

Room Acoustical Parameters Measurement for Evaluation of Musical and Speech Qualities

Uher, V.

Tool for Mining Images Using a Low Level Features

Val'ko, T.

Biologically Inspired Methods of Object Recognition

Kybernetika a automatizace

Bastl, J.

Online 3D Reconstruction

Bastl, P.

Eye Gaze Tracking

Gábrlík, P.	Quadrocopter - Stabilisation and Control
Graf, M.	Model Predictive Control of Surface Permanent Magnet Synchronous Motors
Luža, R.	Detection of Collision of Robotic Gripper Fingers with Obstacle
Mikšík, O.	Road Detection in an Outdoor Environment
Mlatecová, H.	Optical Proximity Sensor with Time-of-Flight Measuring Principle
Píkula, S.	Software for Measuring Track
Raso, P.	Wireless Sensor Network for Measurement of Soil Water Potential
Sárközy, I.	Control System for Small Mobile Robot
Šimák, J.	Flow Measurement of Air by Multiport Averaging Pitot Probes
Španihel, P.	Function Generator
Vaňková, T.	Adaptive Controller with Principles of Artificial Intelligence and Its Comparison with Classical Identifications Methods
Vomočil, J.	Quadrocopter - Control and Communication Unit

Silnoproudá elektrotechnika a elektroenergetika

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Kubenka, M.	Equivalent Magnetic Circuit of Permanent Magnet Synchronous Motor
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Myška, R.
Magneto-Optic Sensor for Measuring High-Level Currnt Pulses

Mikroelektronika a technologie

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Krátký, S.
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Máca, J.
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Spohner, M.
Study of Perspective Insulating Liquids Properties

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Data Acquisition System with SD Card

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Szabó, J.
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Fejgl, M.
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Janošík, P.

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Machů, P., Martinásek, Z.

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Olšarová, N.

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Pešek, M.

Trajectory Outlier Detection in Moving Objects Data

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Szkandera, J.

Processor of TSQL2 on Post-Relational Databases in Oracle Database

Volf, T.

The Universal Wiki System

Grafika a multimédia

Angelov, M.

Mobile Augmented Reality in Commercials

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Dimensionality Reduction by Phonotactic Intersession Variation Compensation Model for Image Classification

Micenková, B.

A System for Verification of Authenticity of Stamps in Documents

Nohejl, P.

Augmented Reality 3D Engine for Smartphones

Pilch, M.

Simulation of Water Waves in Real-Time

Sojma, Z.

Interactive Offline Tracking System for Generic Color Objects

Szentandrás, I.

Modern Methods of Realistic Lighting in Real Time

Vaňhara, J.

Segmentation of Ultrasound Images for Visual Diagnosis

Zahrádka, J.

Augmented User Interface

Počítačové systémy

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- Charvát, L.**
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- Malčík, D.**
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Validation of Network Parameters Based on Network Monitoring
- Matoušek, J.**
FPGA-Based Packet Generator
- Pavlatá, K., Mraz, L.**
Smart Gateway for Wireless Sensor Networks
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