

EEICT 2009

Obsah

Předmluva

Bakalářské projekty

Elektronika a komunikace

Arvai, L.

Class D Audio Amplifier with PWM Modulation

Čapek, L.

Wireless Safety Appliance

Hadwiger, T.

Intelligent Charger for Pb Accumulators

Havelka, M.

Patch ANTENNA with Switchable Polarization

Juhás, M.

Mobile Robot Sensor System

Králíček M.

Environment Control with Microcontroller

Kulig, T.

Control of Microcontroller via Internet

Lapčík, J.

Design of Microstrip Filters

Miksl, J.

Universal KHN Filter with CDTA

Nečesaný, J.

Digital Camera

Pandošćák, M.

Biometric System Performance Testing - Vein Technology

Svoboda, L.

Low Noise Amplifier for 8,4 GHz

Šromová, M.

Radiofrequency Ablation of Heart

Štraus, P.

Serial Communication Peripheries Development in FPGA

Večeřa, J.

Multiband Antenna for Wireless Computer Communication

Zpracování signálů a obrazu

Podlipná, P.

ECG Signal Generator

Vojtíšek, J.	
Analysis of Long-term Electrocardiogram	

Kybernetika a automatizace

Bílý, L.	
Systém jakosti v metrologické laboratoři	
Kořínek, M.	
Autonomous Robot RX1	
Pospíšil, P.	
Tile Map Pathfinding	
Svoboda, R.	
Barcode Recognition System	
Šťastný, L.	
Road Marking System v3.0	
Zvak, M.	
Eye recognition system	

Silnoproudá elektrotechnika a elektroenergetika

Mišinger, L.	
Practical Usage of Innovations on Electrical Machine's Components Using Teflon Added Materials	
Myška, R.	
The Source of High-Level Current Pulse	

Teoretická elektrotechnika, fyzika a matematika

Haupt, D.	
Testig an Optimization Algorithms Throught the Use of the Test Function Gallery .	
Mik, Š.	
Estimation of Instantaneous Frequency	

Mikroelektronika a technologie

Brida, M.	
Diagnostics of Aeging by Using D.C Measurement Method	
Cieslar, J.	
Remotely Controlled Sensor Technique Laboratory	
Čermák, J.	
Neural Network Implementation into Microcontroller	
Hlavčo, T	
Nanocomposite Varnishes	
Ježík, J	
Study of Leakage Currents	

Kučera, M., Jeřábek, M.	Multistress Ageing Analysis of the Electroinsulating Materials
Kucharčík, J.	Resistivity Measuring Workplace for Bulk Materials
Kuparowitz, M.	NbO Capacitors - Leakage Current Measurement and Characterisation
Márik, M.	Elektromechanical Latch Driven by Microcontroller PIC16F876
Nezval, T.	Real Time Recorder of Events
Novák, P.	Impact of the Climatic Conditions Upon the Dielectric Materials Properties
Reňák, L.	Dielectric Absorption of Varnish Composites
Soukup, L.	Design and Realization of Arithmetic Operations for FPGA Circuits
Spohner, M.	The Influence of Humidity and Temperature on Ceramic Materials properties
Svoboda, L.	Development of Autonomous Fotovoltaic System
Svoboda, M.	Influence Admixture in Lead-Acid Battery for Hybrid Electric Vehicles
Szabó, J.	Automatic Measuring Apparatus for Impedance Properties Measurement of Electrode Materials for Lead-Acid Accumulators
Toman, P.	Design of Basic Communication Buses in VHDL

Informační systémy

Jarkovský, K.	Programming Activity Tracking System
Kalus, J.	Application for Retrieving and Processing Table Data on Web Sites
Kraus, Z.	Contactless Vehicles Record
Kunštátský, M.	Tree Controlled Regulated Grammars
Olšarová, N.	Modular Interactive XML Schema Inference Based on Extended Context-Free Grammars
Sojma, Z.	Stochastic OL-Systems and Their Applications for Modeling Leaves of Plants
Šimek, J.	Transformation of Equation Editor Expressions to LaTeX

Grafika a multimédia

Dobrovolný, M.

Recognition of Handwritten Digits

Hejl, Z.

Grafické intro 64kb s použitím OpenGL

Marek, T., Vavruša, M., Vítek, V.

Implementing Interactive Raytracer

Ryba, J.

Corner-point Detection on CUDA

Vaňhara, J.

Gaze Estimation in Controlling Computer Game

Počítačové systémy

Heroutová, T.

Applications for Teaching Work with Regular Expressions

Charvát, L.

Emulation of CPU Architectures

Intelligentní systémy

Schindler, P.

Control of Robotic Arm Mitsubishi Melfa 6SL

Skládanka, J.

Robotic Arm - Navigation Using AXIS 214 Camera

Šuta, M.

Biometric System Performance Testing - Fingerprint Technology

Středoškolské projekty

Elektronika a komunikace

Honel, O.

Digitální audio zesilovač