

EEICT 2008

Obsah

Předmluva

Bakalářské projekty

Elektronika a komunikace

Berežnanin, M.

Electromagnetic Field Mapping in Biological Tissue

Dufek, I.

Wireless Extension Box for Fishing Bite Alarm in LPD Band

Faltíčko, M.

Remote Altimeter and Variometer

Gotthans, T.

Estimating dimension of state space attractors

Hájek, O.

Development Kit for Microcontroller HC08

Holain, M.

Remote Controlled Meteostation

Kačmařík, I.

Design of Reflector Antenna

Kaller, O.

Measurement of PIN Modulator Parameters

Novobilský, P.

The System of Electronic Timetable for Fire Sport with Wireless Connection of Targets and Main Hub

Pavlů, M.

The Suppression of Mechanical Stress Impacts in Fiber

Pítra, K.

Low Altitude FM Radioaltimeter

Polák, R.

Measuring EEG signal by digitizing measure card

Psota, B.

Modeling of Elementar Part as Component of Electronics System

Svěrák, J.

JTAG Programmer for AVR Microcontrollers

Svoboda, L.

Magnetic Loop Antenna with Electronic Tuning

Walek, P.

The Possibilities of Pulsatile Magnetic Field Applied in Child Neurology

Wolanský, D.

Application for Viewing Internal Structure of GIF File

Zachar, J.	Impedance Transformers with Impedance Ratio 1/50 Ohms for Wide Frequency Range
Zelinková, L.	Design and Optimalization of the Helical Antenna
Zukal, M.	SIP client in JAVA programming language

Zpracování signálů a obrazu

Balada, R.	Lossy Video Signal Compression - Quantisation
Lamoš, M.	X-ray Projection Imaging - Model of Structural, Physical and Moving Noise Suppression
Nejedlý, T.	Recognition of ECG Signals by Algorithm Based on Dynamic Time Warping
Novotný, A.	Acceleration and Motion of Upper Limbs
Slávik, V.	Image Signal Processing by Wavelet
Szpyrc, B.	EKG to VKG Conversion, Relation of Physical Stress on Heart Ratio and Heart Axis Rotation
Zátura, M.	Signal of Pressure Sensors Processing Using CPLD

Kybernetika a automatizace

Mikšík, O.	Digital Image Processing in Use
Podivín, L.	Mobile Robot Guidance
Uherek, V.	Mobile Robot Design

Silnoproudá elektrotechnika a elektroenergetika

Trachta, J.	Renewable resources of energy in Czech Republic
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Teoretická elektrotechnika, fyzika a matematika

Buday, M., Bartoš, M.	Theoretical - Practical View of the Levitation of the Lifter
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Tošer, P.	Principle of Argument Increment for Searching Polynomial Roots
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Mikroelektronika a technologie

Drda, V.	Battery Charger for NiCd and NiMH Batteries
Frybert, J.	Computer Modelling of Courses of Complex Permittivity
Janík, P.	Current Sources and Active Load in Bipolar Technology
Karmazín, M.	Thermocouple Thermometer for SMD Assembly
Mohyla, P.	Influence of Filler Pparticles Size on Parts of Complex Permittivity of Composite ..
Nedoma, P.	Intelligent Control Unit for Hot Water Heating
Panáček, J.	Lab Power Supply Driven by Microcontroller
Pech, V.	Program for SC Filter Analysis
Sedláček, J.	The Thermostat for Electronic Instrument Testing at Low Temperatures
Žák, J.	Electronic Instrument for Environment Monitoring During Plant Growing

Informační systémy

Đurfina, L.	Virus Checking Module for Thunderbird
Hernych, R., Kubicek, D.	Interactive Visualization of XML Documents
Kuna, M.	Automatic E-mail Download through WWW Interface
Petrík, P.	Automata Systems Communicating by Transitions
Zemek, P.	An Infinite Hierarchy of Language Families Resulting from n-limited Programmed Grammars

Grafika a multimédia

Doležel, M.	Lens Distortion Correction
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Ilčík, O.	Navigation in a Raster Map by GPS and PDA
Jurzykowski, M.	Acquiring Data for Language Model Training
Pouliček, Z.	3D Reconstruction
Stríž, M.	Fast Raytracing Using Spatial Subdivision
Tůma, P.	Clouds and Hills Generation Using Fractal Geometry
Vanek, J.	Performance Evaluation of Graphics Accelerator

Počítačové systémy

Lengál, O.	Automated Generating of Processing Elements for FPGA
Polčák, L.	Hardware Acceleration of Packet Analysis and Header Field Extraction

Intelligentní systémy

Müller, P.	Construction of Random Sentence Generator Usable for Compiler Testing
Tomášek, P.	Recognition and Search in Skype Calls
Vyvial, P.	Healing Assurance in Java Programs
Židek, S.	Configurable Security Email Proxy
Žilka, L.	Reputation Systems in WIFI networks

Středoškolské projekty

Elektronika a komunikace

Dworzynski, F.	Minesweeper
Dziegielewski, L.	Weather Checking Application
Hyrák, Z.	Creation and Optimalization Web Pages For Internet Marketing
Laskarzewski, P.	Plotter - Electronic Digital Printer

Pawlik, R.	
Numerically Controlled Moulding Machine	
Romanowski, G.	
Rewritable Storage Device for Gameboy	
Szymski, T.	
Industrial Robot Simulation	