

# EEICT 2010

## Obsah

### Předmluva

### Doktorské projekty

### Kybernetika a automatizace

#### Babinec, T.

Flexible 3D Reconstruction Software Tool .....

#### Dobias, M.

Robust Stability of Air-tunnel Model .....

#### Dokoupil, J.

Dynamic System Identification Using Subspace Based Methods and its Comparison with Classical Input-Output Approach .....

#### Dvořáček, M.

Wind Tunnel Identification and Control via OE Model and LQ Controller .....

#### Fidler, P., Uher, M.

Laboratory Workplace for Low Frequency Vibration Measurement .....

#### Kváš, M.

FPGA Based Data Acquisition System .....

#### Lorenc, V.

Increasing of Stability of the Self-Tuning Controller using Supervisor based on Unfalsified Approach .....

#### Veselý, I.

MRAS Methods for Rotor Resistance Identification .....

### Teoretická elektrotechnika, fyzika a matematika

#### Abubaker, H.M.

Use of Scattering Matrix in Body Tissue Investigation .....

#### Abuetwirat, I.

Impedance Analyzer Measurement of Passive Components .....

#### Archalousová, O.

Application of Wazewski's Topological Method .....

#### Biba, V.

Generated Fuzzy Implications .....

#### Bogatyreva, N.

Planck and Rosseland Means of Absorption Coefficients in Air .....

#### Fröhlich, L.

RLC, ARC Coupled Band-Pass Filters .....

<b>Fröhlich, L.</b>	Properties and Comparison Ackerberg-Mossberg and Kerwin-Huelsman-Newsomb Filters .....
<b>Chváta, M., Tofel, P.</b>	Output and Transfer Characteristics and Noise Analysis of CMOS Technology .....
<b>Knápek, A.</b>	Cold Emission Cathodes Noise Characteristics .....
<b>Kopecký, M.</b>	Electron Transport in Ta Nanolayers: Application to Tantalum Capacitors .....
<b>Krčál, O.</b>	Measure Unit for Noise Study in Organic FET .....
<b>Morávková, B.</b>	Representation of Solutions of Linear Discrete Systems with Constant Coefficients, a Single Delay and with Impulses .....
<b>Paračka, P.</b>	Automated Diagnostics of Solar Cells .....
<b>Ryvolová, A.</b>	Stability Property of Solutions of Linear Differential System of Neutral Type .....
<b>Šik, O.</b>	Analysis of I-V characteristics of Cadmium Telluride Radiation Detectors .....
<b>Škarvada, P.</b>	Low Radiant Flux Detection System for Solar Cell Electroluminescence Characterization .....
<b>Tofel, P., Chvatal, M.</b>	Granite Sample and Electro-ultrasonic Spectroscopy .....
<b>Trčka, T.</b>	Characteristics of the Improved Installation for Electromagnetic and Acoustic Emission Signals Continual Measurement .....

## **Informační systémy**

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<b>Filák, J.</b>	A Brief Introduction to Methods of Gene Prediction .....
<b>Goldefus, F.</b>	On Relations on Productions for Cooperative Distributed Grammar Systems .....
<b>Horáček, P.</b>	Formal Models in Processing of Japanese Language .....
<b>Husár, A., Trmač, M., Příkryl, Z.</b>	Instruction Selection Patterns Extraction from Architecture Description Language ISAC .....
<b>Jiráček, O.</b>	Table-Driven Parsing of Scattered Context Grammar .....

<b>Koutný, J.</b>	On n-Path-Controlled Grammars .....
<b>Křoustek, J., Židek, S.</b>	Generating Proper VLIW Assembler Code Using Scattered Context Grammars .....
<b>Mates, V.</b>	Modification of Workflow Management System architecture taking into account properties of WfM participant .....
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## **Intelligentní systémy**

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