

PROGRAMME

SECTION 3 INFORMATION AND COMMUNICATION TECHNOLOGIES

Monday, June 27, 2011

15:00 – 17:00

Chairpersons: doc. Ing. Róbert Hudec, PhD.

Ing. Miroslav Benčo, PhD.

FRIČ, MIROSLAV - KAMENCAY, PATRIK, Žilina, Slovak Republic: Retrieval 2D Images Using Shape Descriptor

HRIC, MARTIN - CHMULÍK, MICHAL - JARINA, ROMAN, Žilina, Slovak Republic: Comparison of Automatic Speaker Identification Systems

UHRINA, MIROSLAV - VACULÍK, MARTIN, Žilina, Slovak Republic: Subjective Assessment of MPEG Compression Standards Using DSIS Method

JELŠOVKA, DOMINIK, Žilina, Slovak Republic: The Principle of Canonical Correlation Analysis and Application for 2D Face Recognition

MORAVČÍK, TIBOR, Žilina, Slovak Republic: Iris Detection for Automatic Acquiring of Eye Template

KAMENCAY, PATRIK - BREZŇAN, MARTIN - LUKAČ, PETER - FRIČ, MIROSLAV - ZACHARIÁŠOVÁ, MARTINA, Žilina, Slovak Republic: Depth Map Recovery for Stereo Vision Using Segmentation Method

MOLITORISOVÁ, ELLEN, Žilina, Slovak Republic: Automatic Image Annotation to Reduce Semantic Gap

CHMULÍK, MICHAL - JARINA, ROMAN, Žilina, Slovak Republic: MFCC vs MPEG-7 Features in Speaker Recognition Task

SUBSECTION 3A INFORMATION AND COMMUNICATION TECHNOLOGIES

Tuesday, June 28, 2011

9:00 – 12:00

Chairpersons: prof. Ing. Vladimír Wieser, PhD.

Ing. Peter Brída, PhD.

Ing. Vojtech Šimák, PhD.

CZAPLEWSKI, MACIEJ, Szczecin, Poland: Improvement of Telecommunication Offer with the Use of FTTH Networks

WILK, JACEK ŁUKASZ, Kielce, Poland: The Influence of the Dish Efficiency on the Quality

of Satellite Signal

ŠVUB, JIŘÍ, Ostrava, Czech Republic: Applications of the RFID Technology in the Field of Gun Management for the Police of the Czech Republic

POLLÁK, ŠTEFAN - WIESER, VLADIMÍR - ČAKAN, TOMÁŠ, Žilina, Slovak Republic: A Performance Study of the Multi - Interface Wireless Mesh Networks

LITVÍK, JÁN - DADO, MILAN - DUBOVAN, JOZEF, Žilina, Slovak Republic: Modeling of the Chromatic Dispersion Through the Use of Split-Step Fourier Method in Matlab

FUCHSÍKOVÁ, PETRA - KEBO, VLADIMÍR, Ostrava, Czech Republic: Supply Chain Based on the RFID Technology

BENEŠ, FILIP, Ostrava, Czech Republic: Potential of RFID Middleware and EPCIS

BAČA, TOMÁŠ - LIESKOVSKÝ, ANTON, Žilina, Slovak Republic: Data Dissemination in VANET

ŘURČEKOVÁ, VERONIKA - DOLNÁK, IVAN, Žilina, Slovak Republic: ARP Cache Poisoning

ČAKAN, TOMÁŠ - POLLÁK, ŠTEFAN - WIESER, VLADIMÍR, Žilina, Slovak Republic: MAC Protocols for Directional Antennas Applications in Ad hoc Networks

HODOŇ, MICHAL, Žilina, Slovak Republic: Identification of Environment Parameters that Affects Localization Accuracy

ONDRAŠINA, TOMÁŠ, Žilina, Slovak Republic: Security Protocols in ZigBee Technology

GOGA, PETER, Žilina, Slovak Republic: RUM (Route Under Mac) in Real Conditions

SUBSECTION 3B INFORMATICS AND INFORMATION TECHNOLOGIES

Tuesday, June 28, 2011

9:00 – 12:00

**Chairpersons: prof. Ing. Karol Matiaško, PhD.
 doc. Ing. Emil Kršák, PhD.**

BERTHOTY, JAKUB - BUČKOVÁ, BERA - DRAGULA, DUŠAN - JANIC, IGOR - KAVECKÝ, MICHAL - KLUČKOVÁ, ANTÓNIA - LEVASHENKO, VITALITY, Žilina, Slovak Republic: Attractive Virtual Educational Portal for Schoolchildren of Primary Schools based on Data Mining

ZACHARIÁŠOVÁ, MARTINA - HUDEC, RÓBERT - BENČO, MIROSLAV - DUBCOVÁ, ZUZANA - KAMENCAY, PATRIK, Žilina, Slovak Republic: Automatic Web Image and Text Extraction

GARDLO, BRUNO - KUBA, MICHAL, Žilina, Slovak Republic: MPEG - 7 Audio Toolbox for MATLAB

HOLÚBEK, ANDREJ - JANOVIČ, FILIP, Žilina, Slovak Republic: Load-Balance and Data-Decomposition for Distributed Prime Number Algorithm

HÚDIK, MARTIN - HANULIAK, MARTIN, Žilina, Slovak Republic: Parallel Complexity of Linear System Equations

JAROŠ, ADAM, Žilina, Slovak Republic: Simulation Tools for Logical Systems Education- ConveyorFlash Composer

PÚCHYOVÁ, JANA, Žilina, Slovak Republic: Simulation Toolkits for Multiagent System

SLOVÁČEK, DAN - HANULIAK, PETER, Kunovice, Czech Republic: To Performance Modeling of Virtual Computers

ŠTEVKA, ONDREJ - BARIAK, MIROSLAV - WELTEROVÁ, MONIKA, Žilina, Slovak Republic: Virtual Reality Simulators in Education

TAKÁČ, LUBOŠ, Žilina, Slovak Republic: Visualization of Large Multivariate Data Sets Using Parallel Coordinates

VAJSOVÁ, MONIKA – MATIAŠKO, KAROL, Žilina, Slovak Republic: Contribution to Optimization SQL Query on the base of Syntax Overview

SUBSECTION 3C DIGITAL SIGNAL PROCESSING AND BIOMEDICINE

Tuesday, June 28, 2011

14:00 – 17:00

**Chairpersons: prof. Ing. Martin Klimo, PhD.
 Ing. Daniela Gombárská, PhD.**

NEMČEK DUŠAN, Žilina, Slovak Republic: Analytical Model of QOS Mechanism – Weighted Round Robin Using Markov's Chains

BAĐURA, ŠTEFAN - FOLTÁN, STANISLAV, Žilina, Slovak Republic: Speech Recognition with Fuzzy Flip-Flops

GUBKA, RÓBERT - KUBA, MICHAL, Žilina, Slovak Republic: Audio Events and Keywords Retrieval based on HMM and Viterbi's Decoder

MRVOVÁ, MIROSLAVA, Žilina, Slovak Republic: Quality of Synthesized Speech: A Brief Overview of Methods

HYBEN, MARTIN, Žilina, Slovak Republic: Informative Attribute Obtaining for Detection Period Boundaries of Human Speech

BABUŠIAK, BRANKO - GÁLA, MICHAL, Žilina, Slovak Republic: Detection of Abnormalities in ECG

RUSÍN, MIROSLAV, Žilina, Slovak Republic: Towards Developing Personal Diet Assistant for Diabetics

BOHAČÍK, JÁN - DAVIS, N. DARRYL, Žilina, Slovak Republic: Estimation of Cardiovascular Patient Risk with a Bayesian Network

ŠTOFAN, STANISLAV - KONIAR, DUŠAN - HARGAŠ, LIBOR - HRIANKA, MIROSLAV, Žilina, Slovak Republic: The Analysis of Kinematic Parameters in Biomechanical Systems Using Virtual Instrumentation

SUBSECTION 3D INFORMATION AND COMMUNICATION TECHNOLOGIES

Tuesday, June 28, 2011

14:00 – 17:00

**Chairpersons: doc. Ing. Radovan Madleňák, PhD.
Ing. Juraj Fabuš, PhD.**

CHROMCOVÁ, BARBORA - ŠVADLENKA, LIBOR, Pardubice, Czech Republic: The Information System of the Data Boxes and Its Influence on Financial Results of Czech Post

VALENTÍKOVÁ, EVA, Žilina, Slovak Republic: Data Warehouse for Breeding Enterprise

BÁBEL, JÁN, Žilina, Slovak Republic: Financial Time Series Modelling with GARCH Models

OLÁH, ĽUBOŠ - ŠVEDA, LUKÁŠ - FOGAŠOVÁ, VERONIKA, Bratislava, Slovak Republic: Modern Information and Communication Technologies in Business

PIHIR, IGOR - VRČEK, NEVEN, Zagreb, Croatia: Internal Infrastructural Requirements for Fully Efficient and Automated Structured Electronic Invoicing in Small and Medium Size Companies

MADLEŇÁK, RADOVAN - MADLEŇÁKOVÁ, LUCIA, Žilina, Slovak Republic: Digital Signage in Urban Mass Transportation in Žilina

KARDOŠ, MARTIN - MOKRYŠ, MICHAL, Žilina, Slovak Republic: MDA Approach: Science and Research as a Business Process and Possible Transformation of Its Sub-part to IS Design Model

ĽUPTÁK, JURAJ, Žilina, Slovak Republic: Safety Mechanisms and Solutions within Profile openSAFETY

ROFÁR, JÁN - STRÁPKOVÁ, JANA, Žilina, Slovak Republic: Implementation Mes into Intelligent Manufacturing System