

Wednesday, 18th November 2015

08.00 Bus depart from Košice
Aula Volkswagen, Komenského park 4

10.00 Registration of participants in Poprad, Hotel Poprad

Opening Ceremony with Lunch

12.30

Section: Invited lectures

13.30-15.30

Chairwoman: Valerie Novitzká

Neven Vrček

Cloud computing - between hype and profitable business model

Jiří Kunovský

Modern Taylor Series Method

Petr Šaloun

From lightweight ontology to mental illness indication

15.30-15.50 Coffee break

Section: Software Engineering

15.50-18.30

Chairman: Andreas Bollin

15.50-16.10 Veronika Szabóová, Csaba Szabó, Zdenek Havlice and Tomáš Guzlej

A Case Study Comparing Naive Approaches to Self-Reflecting Information System Architecture and Implementation

16.10-16.30 Michal Vagač, Miroslav Melicherčík, Matúš Marko, Peter Trhan, Alžbeta Michalíková, René Kliment, Radoslav Drapka

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16.30-16.50 Melinda Simon, Zoltán Porkoláb, Gábor Horváth

Code complexity estimation for Java programs

16.50-17.10 Lukáš Galko, Jaroslav Porubän

Approaches to human-computer interaction based on observation of a software developer

17.10-17.30 Coffee break

17.30-17.50 Jana Št'astná, Martin Tomášek

Exploring Malware Behaviour for Improvement of Malware Signatures

17.50-18.10 Ján Juhár, Liberios Vokorokos

Separation of Concerns and Concern Granularity in Source Code

18.10-18.30 Michaela Bačíková, Martin Zbuška

Towards an automated evaluation of domain usability

Section: Theoretical Informatics

15.50-18.30

Chairman: Neven Vršek

15.50-16.10 Gábor Sági, David Nyiri

On embeddings of finite metric spaces

16.10-16.30 William Steingartner, Valerie Novitzká

A new approach to semantics of procedures in categorical terms

16.30-16.50 Abdulwahed Almarimi, Gabriela Andrejková, Peter Sedmák

Document Verification Using n -grams and Histograms of Words

16.50-17.10 Dmytro Bui, Volodymyr Ovsyak, Oleksandr Ovsyak, Julia Petruszka

Algebraic models of use cases of computer systems and information Technologies

17.10-17.30 Coffee break

17.30-17.50 Marián Ambrozy, Miriam Liptáková

The selected connection between intencionality in the philosophy of mind and informatics

17.50-18.10 Ján Perháč, Daniel Mihályi

Coalgebraic modeling of IDS behavior

18.10-18.30 Boldizsár Németh, Kelemen Zoltán, Máté Karácsony, Máté Tejfel

Extending Haskell with Effectful Property Abstraction

Section: Programming Languages and Programming Paradigms

15.50-18.30

Chairman: Petr Šaloun

15.50-16.10 Sergej Chodarev

Commands Composition User Interface Pattern

16.10-16.30 Ján Kollár, Michal Sičák

Automated Abstraction of Language Concepts

16.30-16.50 Jan Sadolewski

Introduction to Functional Approach in Reverse Engineering Using F# Language

16.50-17.10 Tamás Cséri

Examining Structural Correctness of Documentation Comments in C++ Programs

17.10-17.30 Coffee break

17.30-17.50 Matúš Sulír, Jaroslav Porubän

Semi-automatic Concern Annotation Using Differential Code Coverage

17.50-18.10 Bence Babati, Norbert Pataki, Zoltán Porkoláb

C/C++ Preprocessing with Modern Data Storage Devices

18.10-18.30 Tibor Brunner, Norbert Pataki, Zoltán Porkoláb

Tool for Detecting Standardwise Differences in C++ Legacy Code

19.00 Welcome Party with Dinner

Hotel Poprad

Shaker Bar

Thursday, 19th November 2015

Section: Applied Informatics and Simulation

9.00-12.00

Chairman: Dmytro Bui

9.00-9.20 Zbigniew Domański, Andrzej Grzybowski

Analysis of Sequential Algorithms as Tools for Modeling the Chain-Like-Body evolution

9.20-9.40 Andrzej Grzybowski, Piotr Puchala

Monte Carlo simulation of the young measures – comparison of random-number generators

9.40-10.00 Štefan Peško, Michal Kaukič

Stochastic algorithm for uniform workload distribution problems

10.00-10.20 Mikuláš Alexik

Hierarchical Model of the Driver's in Car dynamic

10.20-10.40 Coffee break

10.40-11.00 Ivan Plander, Michal Štepanovský

Decoupling of two-axis electrostatically-actuated 3D MEMS mirror

11.00-11.20 Jiří Kunovský, Václav Šátek, Gabriela Nečasová,
Petr Veigend, Filip Kocina

The Positive Properties of Taylor Series Method

11.20-11.40 Peter Kvasnica, Martin Zimány

Web availability by simulation of selected parameters of power loads

11.40-12.00 Jan Ružbarský, Ján Turán, Ľuboš Ovseník

Effects act on transmitted signal in a fully optical fiber WDM systems

Section: Software Engineering

9.00-12.00

Chairman: Ján Kollár

9.00-9.20 Eva Zámečnicková, Jitka Kreslíková

Comparison of Platforms For High Frequency Data Processing

9.20-9.40 Milan Jančár, Sergej Chodarev

A Generative Framework for Development of CRUD-based Linux Desktop Applications

9.40-10.00 David Branco, Pedro Rangel Henriques

Impact of GCC optimization levels in energy consumption during C/C++ program execution

10.00-10.20 Eva Chovancová, Martin Chovanec, Dominik Mičuta

Social network and forum hybrid

10.20-10.40 Coffee break

10.40-11.00 Pavol Daňo, Andreas Bollin

Down to Hades and Back - Experiences Gained in Comprehending a Distributed Legacy System

11.00-11.20 Franco Cicirelli, Christian Nigro, Libero Nigro

An Approach to Concurrent/Parallel Programming in Java

11.20-11.40 Jarmila Škrinárová, Michal Povinský

GPGPU based job scheduling simulator for hybrid high-performance computing system

11.40-12.00 Vladimír Siládi, Dana Horváthová

Phobia treatment by help of virtual reality

Section: Computer Networks

9.00-12.00

Chairman: Andrzej Grzybowski

9.00-9.20 Tomáš Ivaniga, Ľuboš Ovseník, Ján Turán
The Effect of Four-Wave Mixing to the Four-Channel DWDM System with Spacing According to the ITU-T G.694.1

9.20-9.40 Jindřich Skupa, Ľuboš Matejka and Jiří Šafařík
Dynamic Internal Message Routing in Distributed File System

9.40-10.00 Łukasz Apiecionek, Wojciech Makowski
Firewall algorithm with token bucket rule for DDoS protection

10.00-10.20 Łukasz Apiecionek, Marcin Sobczak, Wojciech Makowski, Tibor Vince
Multi Path Transmission Control Protocols as a security solution

10.20-10.40 Coffee break

10.40-11.00 Branislav Sobota, Ladislav Jacho, Štefan Korečko, Katarína Nógrádiová
On the way to virtual training system based on human body movements

11.00-11.20 Dávid Solus, Ľuboš Ovseník, Ján Turán
Optical Correlator in Vertical Traffic Signs Inventory System

11.20-11.40 Ján Tóth, Ľuboš Ovseník, Ján Turán
Advanced Wireless Communication Systems Free Space Optics

12.00 Lunch

Hotel Poprad

13.00 Trip –The Ľubovňa Castle, Stará Ľubovňa

19.00 Banquet

Hotel Poprad

Shaker Bar

Friday, 20th November 2015

Section: Theoretical Informatics and Programming Languages

9.00-11.00

Chairman: Gábor Sági

9.00-9.20 Ján Kollár, Milan Spišiak

Direction Vector Grammar

9.20-9.40 Marco Couto, Jácome Cunha, João Paulo Fernandes, Rui Pereira, João Saraiva

GreenDroid: A Tool for Analysing Energy Consumption in the Android Ecosystem

9.40-10.00 Dmytro Bui, Sergey Polyakov, Karam Jasim Mohammed, Sergey Kompan

Linearization algorithms CLOS and LOOPS of the classes in programming languages: the formal definitions

10.00-10.20 Matej Palfi, Milan Nosál, Emília Pietriková

Composite Annotations with Inter-Type Declarations in Aspect-Oriented Programming

10.40-11.00 Emília Demeterová, Daniel Mihályi, Valerie Novitzká

Component Composition using Linear Logic and Petri Nets

Section: Artificial Intelligence and Knowledge Management

9.00-11.00

Chairman: Zbigniew Domański

9.00-9.20 Inna Motronenko, Yuri Motronenko

Improvement of studying the thematic line 'Algorithmization and Programming' course of computer science in the education system of the Russian Federation

9.20-9.40 Marek Žák, Jaroslav Rozman

Design, Construction and Control of Hexapod Walking Robot

9.40-10.00 Jiří Vaněk, Roman Mouček

On data and metadata formats for electrophysiological experiments

10.00-10.20 Ján Bendík

Selection of minimal set of locations in the public service system design

10.20-10.40 Tomasz Lis, Paula Bajdor

Knowledge as a subject of logistimic management

12.00 Lunch

Hotel Poprad

Closing Ceremony

13.00