

May 2, 2018

13:00	18:00	Registration
19:00	20:00	Welcome Party

May 3, 2018

7:30	9:00	Registration, Breakfast
9:00	9:15	Opening Ceremony

Keynote Lectures (Chairman: Milan Turčáni), Room A

9:15	9:55	Flexible Forms of Teaching as a Challenge for Higher Education in Central Europe <i>Lucie Rohlíková</i>
9:55	10:15	Coffee Break

Session 1 (Chairman: Milan Turčáni), Room A

10:15	10:35	Learning Critical Thinking Without Teacher's Presence <i>Jozef Hvorecký, Lilla Koreňová</i>
10:35	10:55	Digital Marketing Course: A Study on the Effectiveness of Blended Learning <i>Ludvík Eger, Michal Mičík</i>
10:55	11:15	The Academic Information Transparency: From Teachers' E-portfolio to Upgrading the Ranking of Universities <i>Eugenia Smyrnova-Trybulska, Nataliia Morze, Olena Kuzminska</i>
11:15	11:35	Information Behaviour and Attitude to Lifelong Learning: A Comparative Study for Students of Person-Oriented Specialties <i>Tatyana Noskova, Olga Yakovleva, Tatyana Pavlova, Barbara Kołodziejczak, Magdalena Roszak</i>
11:35	11:55	Perception of the Educational Potential of Online Social Networks in Romania and Lithuania <i>Vincentas Lamanauskas, Gabriel Gorghiu, Dragos Daniel Iordache, Costin Pribeanu</i>
11:55	12:15	Experience-Based Learning – An Analogy for Self-Healing Porous Materials <i>Boris Aberšek, Metka Kordigel Aberšek, Andrej Flogie</i>
12:35	14:00	Lunch
14:00	18:00	Trip
19:00	22:00	Conference Dinner

May 4, 2018		
7:30	8:30	Breakfast
		IBM IoT Workshop (Chairman: Zoltán Balogh), Room A
		Session 2 (Chairman: Eugenia Smyrnova-Trybulska), Room B
9:00	9:15	IBM Watson and Natural Language Processing <i>Jana Kozáková</i>
9:15	9:30	Wireless Sensor Network as a Part of Internet of Things <i>Jan Francisti, Zoltán Balogh</i>
9:30	9:45	Large-scale Data modelling in HIVE and Distributed Query Processing Using MapReduce and Tez <i>Abzetedin Adamov</i>
9:45	10:00	Mobile Phone as an Interactive Device in Augmented Reality System <i>Milan Košťák, Bruno Ježek</i>
10:00	10:15	Users' Characteristics for Analyzing the Educational Texts with an Eye-Tracking Technology <i>Kristýna Mudrychová, Tereza Horáková, Martina Houšková Beránková</i>
10:15	10:30	Fuzzy Knowledge Unit <i>Michal Peták, Milan Houška</i>
10:30	10:45	Coffee Break
		Virtualisation Tools in Science Education <i>Ján Gunčaga, Róbert Janiga</i>
		How to Combine Inquiry Based Science Education and ICT: A Case of Science Methodology <i>Martin Bílek, Jarmila Kmet'ová</i>
		Importance of Feedback in Testing by Use of Universal Testing System <i>Dana Horváthová, Patrik Voštinár</i>
		Automated Generation of Statistical Tasks <i>Mikuláš Gangur</i>
		The Use of Monte Carlo Computer Simulation in Teaching Statistics <i>Milan Svoboda, Mikuláš Gangur</i>
		Applying Cloud Computing for Automated Generation of Parameterized Tasks and Test <i>Václav Sova Martinovský, Miroslav Plevný</i>

May 4, 2018		
		Session 3 (Chairman: Milan Houška), Room A
		Session 4 (Chairman: Lucie Rohlíková), Room B
10:45	11:00	Typing or Longhand Writing – IWM Test, a Methodology for Making a Smart Decision <i>Metka Kordigel Aberšek, Boris Aberšek</i>
11:00	11:15	Method of Analysis and Optimal Fingerprints Database Cleaning <i>Jan Budina, Martin Zmitko</i>
11:15	11:30	New Directions in Nationwide Technology Integration into Mathematics Teaching: the Geomatech Project <i>Lilla Koreňová, Marta Kis, Zsolt Lavicza, Peter Ostradický, Theodosia Prodromou</i>
		The Importance of Mobile Access to Information Systems for Pre-Service Teachers <i>Lucie Rohlíková, Jiří Kohout, Václav Vrbík, Ondřej Rohlík</i>
		Microlearning in the Instruction of Technical and Humanities Courses <i>Radim Polášek, Tomáš Javorčík</i>
		The Role of Mobile Devices Supported Education and Open Content Development in the Learning Process <i>György Molnár</i>

11:30	11:45	Teaching of Object-Oriented Programming <i>Rostislav Fojtík</i>	Trends and Strategies in ICT Application in Higher Education versus Evaluation of Teaching and Learning <i>Josef Malach, Kateřina Malachová</i>
11:45	12:00	Data Science Study Program <i>Petra Poullová, Jaroslava Mikulecká, Tomáš Kozel, Blanka Klímová</i>	Standards and Frameworks of Digital Competence of Teachers as a Tools for Professional Training and Assessment <i>Josef Malach, Veronika Švrčinová</i>
12:00	12:15	Specific Mistakes Made by Students in Teaching of Parametric Modelling <i>Antonín Slabý, Josef Matejus, Pavel Cyrus</i>	Adaptive Approach to the Gamification in Education <i>Petr Škuta, Kateřina Kostolányová</i>
12:15	12:30	Clouds for Smart Learning Environments <i>Peter Mikulecký, Luboš Mercl</i>	Creation of Personalized Learning Courses in Adaptive LMS <i>Marián Mudrák, Milan Turčáni, Mária Burianová</i>
12:30	12:45	Three Stage Object Boundary Intersection Solver <i>Petr Jindra, Jiří Štastný</i>	Petri Net Model of Student Choices in a LMS Moodle E-Course <i>Michal Kuchářík, Zoltán Balogh, Martin Drozda</i>
12:45	13:00	Innovative Model of Environmental Education in Lower Secondary Education <i>Martina Zigová, Zuzana Pucherová, Imrich Jakab</i>	Comparison of IT Skills Testing of Preschool and Elementary Education Students by the IT Fitness Test <i>Jana Burgerová, Martina Adamkovičová, Vladimír Piskura</i>
13:00	13:10	Application of Geographical Information System (Gis) in Geography (Digital Data Pre-Processing for Land-Use Changes Analysis) <i>Martin Boltžiar, Peter Chrastina</i>	E-learning at Slovak University of Agriculture in Nitra <i>Darina Tóthová</i>
13:10	13:20	On Difficulties with Knowledge Transfer from Visual to Textual Programming <i>Tomáš Tóth, Gabriela Lovászová</i>	Analysis of MOOC course: Experiment processing <i>Miroslav Kadlečík, Michal Munk</i>
13:20	13:30	Identification of Important Activities for Teaching Programming Languages by Decision Trees <i>Juraj Obonya, Jozef Kapusta</i>	Identification of necessary tasks for effective Adoption of Learning Analytics at the University <i>Martin Drlík</i>
13:30	13:40	Data processing methods in the development of the microlearning-based framework for teaching programming languages <i>Ján Skalka</i>	Web Log Data Preprocessing using Raspberry Pi Cluster and Hadoop cluster <i>Peter Švec, Lukáš Chylo, Jakub Filipík</i>
13:40	13:50		E-Learning Courses Structural Evaluation <i>Dominik Halvoník, Jozef Kapusta</i>
13:50	14:00	Closing Ceremony	
14:00		Lunch	

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MC **MICROCOMP**
- Computersystém s. r. o.

Kupecká 9
949 01 Nitra

tel.: +421 87 6511 306
fax: +421 87 6516 166

www.microcomp.sk
micro@microcomp.sk



Mühlbauer

High Tech International

Česká asociace
_____ distančního
univerzitního
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