

### May 2, 2022

13:00	18:00	<b>Registration</b>
19:00		<b>Welcome Dinner</b>

### May 3, 2022

7:30	9:00	<b>Registration, Breakfast</b>
9:00	9:10	<b>Opening Ceremony</b>

#### Keynote Lectures (Chairman: Zoltán Balogh), Room A

9:10	9:40	<b>Modeling and Simulation as Tool for Multidisciplinary Learning</b> <i>Štěpán Hubálovský</i>
9:40	10:10	<b>DOS-Windows-Spaces: Benefits of Virtual Reality in Education</b> <i>Peter Baranyi</i>
10:10	10:30	<b>Coffee break</b>

#### Session 1 (Chairman: Boris Aberšek), Room A

10:30	10:45	<b>Artificial Intelligence in Education: A Study on Using Bibliometric Systems</b> <i>Olena Kuzminska, Nataliia Morze, Eugenia Smyrnova-Trybulska</i>
10:45	11:00	<b>Current Issues and Possible IT Solutions for Digital Competence Development</b> <i>Gyorgy Molnar, Beata Orosz, Katalin Nagy</i>
11:00	11:15	<b>Satisfaction with the Online Education During the Pandemic: A Comparison Between Romanian and Lithuanian Master Students</b> <i>Vincentas Lamanuskas, Gabriel Gorghiu, Elena-Ancuta Santi, Costin Pribeanu</i>
11:15	11:30	<b>Digital Transformation of Higher Education in Hungary in Relation to the OECD Report</b> <i>Attila Kovari</i>
11:30	11:45	<b>Coffee break</b>

#### Session 1 (Chairman: Vincentas Lamanuskas), Room A

11:45	12:00	<b>Fourth-Order Cybernetics as a Base for Smart/Intelligent Learning Environment</b> <i>Boris Aberšek, Dejan Zemljak</i>
12:00	12:15	<b>The Use of Cloud for Generated Statistics Data File Storage in Statistics Tasks</b> <i>Mikuláš Gangur</i>
12:15	12:30	<b>Gap Analysis of Cohave, Geolife and T-Drive Datasets</b> <i>Maros Cavojsky, Martin Drozda</i>

12:30	12:45	<b>Primary School Students' Functional Literacy in Digital Learning Environments - How to Teach</b> <i>Metka Kordigel Aberšek, Maja Kerneža</i>
12:45	13:00	<b>Improvement of the Effectivity of Education Process Through MmorpG Games</b> <i>Jozef Kostolny, Patrik Rusnak, Filip Dubravec</i>
13:30	14:30	<b>Lunch</b>
15:00		<b>Social Event</b>
19:00		<b>Gala Dinner</b>

### May 4, 2022

7:30 8:30 **Breakfast**

		<b>Session 2 (Chairman: Eugenia Smyrnova-Trybulska), Room A</b>	<b>Session 3 (Chairman: Jan Francisti), Room B</b>
9:00	9:10	<b>Incorporating Mobile Technology into the Process of Developing Communication Skills of Primary School Pupils</b> <i>Daniel Tran, Kateřina Kostolányová</i>	<b>Case Study Comparing the Accuracy Classification of Emotion and Analysis of Sentiment Using IBM Natural Language Understanding and Emotnizer Applications</b> <i>Martin Magdin, Štefan Koprda, Daniel Tuček</i>
9:10	9:20	<b>Possibilities of Automation of Data Collection from Facial Recognition Software</b> <i>Kristián Fodor, Zoltán Balogh</i>	<b>The 3D Software in Secondary School Education – Pilot Study</b> <i>Nikol Hurdálková, Jakub Helvich, Michal Macinka, Štěpán Hubálovský, Marie Hubálovská</i>
9:20	9:30	<b>Factors Influencing Effectiveness of Pandemic Distance Learning – Preliminary Findings From a Complex Survey</b> <i>Jiří Kohout, Dana Buršíková, Jan Frank, Jindřich Lukavský, Pavel Masopust, Iva Motlíková, Lucie Rohlíková, Jan Slavík, Václav Stacke, Jana Vejvodová, Michaela Voltrová</i>	<b>The Importance of Eye-Tracking for Evaluating the Reading Comprehension of Multimedia Text in Computer Education</b> <i>Michal Kohútek, Milan Turčáni</i>
9:30	09:40	<b>Developing Logical Thinking of Computer Science Students – Modelling the Curriculum and Teaching Environment</b> <i>Mirela Moldoveanu</i>	<b>Essays' Automatic Evaluation</b> <i>Kitti Nagy</i>
09:40	09:50	<b>The impact of ICT on Comprehensibility of the Chemistry Education</b> <i>Tomas Krcil, Eva Milkova</i>	<b>XR Applications for the Education and Entertainment of Hospitalized Children</b> <i>Patrik Voštinár, Dana Horváthová, Martin Bako</i>

09:50	10:00	<b>Comparison of Programmable Drones Used in Education</b> <i>Radek Němec, Jakub Helvich, Michal Macinka</i>	<b>Current Metrics for Automatic Evaluation of Machine Translation</b> <i>Lucia Benkova</i>
10:00	10:10	<b>Coffee break</b>	
		<b>Session 2 (Chairman: Eva Milkova), Room A</b>	<b>Session 3 (Chairman: Michal Munk), Room B</b>
10:10	10:20	<b>Integration of Digital Competences in the Context of Pedagogical Practice</b> <i>Kristýna Kiliánová, Petra Kočková, Tatiana Havlásková, Tomáš Javorčík</i>	<b>Comparison of Novel Approach to Part-Of-Speech Tagging of Slovak Language</b> <i>Lubomír Benko, Lucia Benkova</i>
10:20	10:30	<b>Basic Numbers – Application to Support Gamified Teaching of Basic Numerical Operations at the First Stage of Primary School with Options for Remote Online Teaching and Blended Learning</b> <i>Petr Voborník, Jakub Helvich, Michal Macinka</i>	<b>The Impact of Distance Learning During the Covid-19 Pandemic on the Statistical and Data Literacy</b> <i>Jaroslav Reichel</i>
10:30	10:40	<b>Learning Styles in Distance Education</b> <i>Rostislav Fojtík</i>	<b>Analysis of the Popularity Rate of Extracted Keywords From True and Fake News Related to Covid-19</b> <i>Livia Kelebercová, Michal Munk</i>
10:40	10:50	<b>Software Tool for Students' Assignments Management</b> <i>Peter Sedlacek</i>	<b>Analysis of Problem Parts in Educational Tutorials for Blender</b> <i>Kristína Šteflovíčová, Jozef Kapusta</i>
10:50	11:00	<b>Virtual Robotics in Education at Elementary School</b> <i>Petr Coufal, Jakub Helvich, Michal Macinka</i>	<b>The Issues Related to Preprocessing Educational Datasets for Improving Student's Performance</b> <i>Janka Pecuchová</i>
11:00	11:10	<b>How to use Educational Software in Teaching Chemistry: The Qualitative Insight into Opinions and Attitudes of Czech Chemistry Teachers</b> <i>Kateřina Chroustová, Martin Břek, Veronika Machková, Ivana Šimonová</i>	<b>Text Extraction from PDF Documents from Student Theses</b> <i>František Forgáč, Daša Munková</i>
11:10	11:20	<b>Teachers' Opinions on Information Technology Integration Into University Education</b> <i>Dana Országhová, Darina Tóthová</i>	<b>Aural Concept of Albrechtic</b> <i>Martin Vozár, Pavol Brezina</i>
11:20	11:30	<b>Smart Cities in Romania – Post-Pandemic Perspectives</b>	<b>Effectiveness of Selected Wireless Sensor Protocols and Their Security</b> <i>Zoltán Balogh, Jan Francisti, Kristian Fodor</i>

*Constantin Florin Bogdea, Nicoleta  
Mirea, Anca Draghici, George  
Carutasu*

11:30 11:40 **ICT Tools in Constructivist Teaching – Use of Indigenous Knowledge in  
Webquest and the Assessment by Education**  
**Concept Maps**  
*Malgorzata Nodzynska, Martin Bílek*  
*Peter Mikulecký, Anna Punčochářová*

11:40 11:50 **E-Learning and its Verification on the Selected Aspects of E-Learning in the  
Example of Teaching Remote Sensing Periods of Covid 19 Pandemic  
at the Constantine the Philosopher University in Nitra in Last Decade**  
*Jana Burgerová, Vladimír Piskura, Ivana  
Cimermanová*  
*Martin Boltžiar*

12:00 13:00 **Lunch**

13:00 13:20 **Closing Ceremony**

**Workshop Double degree education (CZ.02.2.69/0.0/0.0/18\_056/0013280), Room A**

13:30 15:00 **Workshop - Implementation of DD programs between UHK and UKF.**

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