

AGENDA

September 23, 2021

9:30-10:00 Participants registration (In person participation at Belgrade Metropolitan University – Online participation through “Zoom” [platform](#))

10:00-10:15 Conference Opening

Keynote speakers

10:15-11:00 „Virtual science laboratories: will they replace the physical laboratories?”, Ana I. Proykova, Faculty of Mathematics and Informatics (FMI) at Sofia University, BULGARIA – **online**

11:00-11:45 „Learning Analytics – multi-user and multi-level perspective", Blaženka Divjak, Faculty of Organization and Informatics, University of Zagreb, CROATIA – **online**

Moderator: Dr. Nemanja Zdravković

11:45-12:00 Short break

12:00-13:00 Round table ‘Remote learning’ – **online**

- Dr. Dragan Domazet, Faculty of information technology, Belgrade Metropolitan University, Serbia
- Ana I. Proykova, Doctor Habil, Faculty of Mathematics and Informatics (FMI) at Sofia University, Bulgaria
- Dr. Blaženka Divjak, Professor of mathematics, Faculty of Organization and Informatics, University of Zagreb, Croatia

Moderator: Dr. Nemanja Zdravković

13:00-14:00 Lunchbreak

Session I

14:00-14:20 „Meta-features of learning management system data”, Dijana Oreški, Faculty of Organization and Informatics, University of Zagreb, CROATIA – **in person**

14:20-14:40 „On the therapeutic use of serious games in selected mental disorders”, Valentina Paunović, Faculty of Information Technologies, Belgrade Metropolitan University, Srđa Janković, University Children’s Hospital, Belgrade, Jelena Dragičević, Military Medical Academy, SERBIA – **in person**

14:40-15:00 „Optimal virtual internship model for vocational studies”, Miroslava Jordović Pavlović, Faculty of Information Technologies, Belgrade Metropolitan University, Žarko Bogičević, Milorad Murić,

Western Serbia Academy of Applied Studies, Užice, Branko Savić, Higher Education Technical School of Professional Studies in Novi Sad, Novi Sad, Tatjana Marinković, Western Serbia Academy of Applied Studies, Užice, SERBIA – **in person**

15:00-15:20 „Will traditional form of studying become obsolete in the future?”, Aleksandar Jankulović, Vladimir Škorić, Faculty of Management, Belgrade Metropolitan University, SERBIA – **in person**

Moderator: Dr. Danijela Ljubojević

15:20 – 15:35 Short break

Session II

15:35-15:55 „A system for interactive learning of the Python programming language with autograding support”, Nemanja Zdravković, Nikola Dimitrijević, Faculty of Information Technologies, Belgrade Metropolitan University, SERBIA, Dejan Cvijanović, OTT Solutions, AUSTRIA – **in person**

15:55-16:15 „Analysis of the current situation and proposal for the research concept on the topic of intelligent tutoring systems”, Nebojša Gavrilović, Dragan Domazet, Faculty of Information Technologies, Belgrade Metropolitan University, SERBIA – **in person**

16:15-16:35 „Anchoring and adjusting in students' responses to a questionnaire about the importance of given e-feedback techniques", Djordje M. Kadijevich, Institute for Educational Research, Belgrade, Danijela Ljubojević, Faculty of Information Technologies, Belgrade Metropolitan University, Nikoleta Gutvajn, Institute for Educational Research, Belgrade, SERBIA – **in person**

16:35-16:55 „Educational data mining and learning analytics tools for online learning”, Jovana Jović, Miroslava Raspopović Milić, Dragan Domazet, Faculty of Information Technologies, Belgrade Metropolitan University, SERBIA; Kavitha Chandra, University of Massachusetts Lowell, Department of Electrical and Computer Engineering, One University Avenue, Lowell, USA – **online**

Moderator: Bojana Domazet

18:00 Conference dinner for registered participants

September 24, 2021

9:30-10:00 Participants registration (Online participation through “Zoom” platform)

Note: All presentation on the 2nd day will be held online

Session I

10:00–10:20 „Online Education during and after COVID-19 pandemic; Challenges, Opportunities and post-pandemic changes”, Nauman Ahmad, Sultan Qaboos University, Sultanate of Oman, OMAN – **online**

10:20–10:40 „A Conceptual Framework of Instruction after COVID-19 Pandemic - VIAUTWGA Hybrid for VARK Learners”, Nauman Ahmad, Sultan Qaboos University, Sultanate of Oman, OMAN – **online**

10:40–11:00 „Innovative approach to personalized teaching and learning in the VUCA world”, Tatjana Mamula Nikolić, Faculty of Management, Belgrade Metropolitan University, Serbia, Mirjana Milovanović, Banja Luka College, Bosnia and Herzegovina **- online**

11:00–11:20 „Experiences and opinions of higher education students about remote learning during the COVID-19 pandemic”, Aleksandra Stevanović, Miroslava Raspopović Milić, Faculty of Information Technologies, Serbia, Rale Nikolić, Department of Natural Sciences and Mathematics, University of Defense in Belgrade, SERBIA **- online**

Moderator: Dr. Nemanja Zdravković

11:20-12:00 Coffee break

Session II

12:00–12:20 „Feedback supporting deep and strategic approaches to learning and studying a case study on production cost", Djordje M. Kadijevich, Institute for Educational Research, Belgrade, Nikoleta Gutvajn, Institute for Educational Research, Belgrade, SERBIA **- online**

12:20–12:40 „Application and potential benefits of gamification in education”, Miloš Milašinović, Miloš Jovanović, Igor Franc, Faculty of Information Technologies, Belgrade Metropolitan University, Stefan Orčić, Faculty of Technical Sciences, University of Novi Sad, SERBIA, Nenad Biga, Graduate School of Business, La Salle University, Philadelphia, USA **- online**

12:40–13:00 „Virtual reality in art studies: digital sculpting in VR”, Katarina Kaplarski Vuković, Faculty of Digital Arts, Belgrade Metropolitan University, SERBIA, Nikola Damjanov, Nordeus, Belgrade, SERBIA, Vladimir Petković, Adobe, San Francisco, USA **- online**

13:00–13:20 „Educational technologies for the new millennium. How to rethink teaching in the post-pandemic era: The results of an Italian research project”, Alberto Fornasari, Matteo Conte, Alessia Scarinci, Department of Science of Education, Psychology and Communication, University of Bari Aldo Moro, ITALIA **- video presentation**

Moderator: Dr. Milena Bogdanović

13:20-14:00 Lunch break

Session III

14:00–14:20 „A system for interactive learning advanced topics in data structures”, Nikola Dimitrijević, Milena Bogdanović, Faculty of Information Technologies, Belgrade Metropolitan University, SERBIA **- online**

14:20–14:40 „Learning the Kotlin programming language using an autograding system”, Nikola Dimitrijević, Vladimir Milićević, Nemanja Zdravković, Nikola Dimitrijević, Faculty of Information Technologies, Belgrade Metropolitan University, SERBIA, Dejan Cvijanović, OTT Solutions, AUSTRIA **- online**

14:40–15:00 „E-Learning organization: A hypothesis for teacher training”, Michele Baldassarre, Department of Science of Education, Psychology and Communication, University of Bari Aldo Moro, Valeria Tamborra, University of Foggia, Department of Humanities, Paola Lisimberti, Department of

Science of Education, Psychology and Communication, University of Bari Aldo Moro, ITALIA- **video presentation**

15:00–15:20 „Teacher training and new e-learning pedagogies”, Michele Baldassarre, Martina Dicorato, Ilaria Fiore, Department of Science of Education, Psychology and Communication, University of Bari Aldo Moro, ITALIA- **video presentation**

15:20–15:40 „University education in digital environment”, Tamara Vučenović, Faculty of Management, Belgrade Metropolitan University, Dragana Grujić, Faculty of Philology, University of Belgrade, SERBIA- **online**

Moderator: Tijana Vučičević

Conference Closing