



University of Ljubljana

International Scientific Conference on Innovative Approaches to the Application of Digital Technologies in Education

November 12-13, 2020
Stavropol, Russia

The North Caucasus Federal University (Russia) and the University of Ljubljana (Slovenia) organize the International Scientific Conference on Information Technologies in Pedagogical Research on November 12-13, 2020.

The conference hold in the form of an active discussion with the involvement of Russian and foreign scientists, who have experience in conducting basic and applied scientific research. To join the conference, you need to register using the link and go to the broadcast on November 12, 2020 at 9.30 am (Moscow time) <https://leader-id.ru/event/78504/>

The main conference topics:

- Creativity and Design Activities with ICT
- Computer-based innovative approaches in education and research
- Information educational environment: tools for collaborative learning and computer-mediated communication
- Digital pedagogy: online education, mass open educational courses, e-learning, distance learning technologies, mobile applications and devices in education
- Robotics in education
- Gaming ICT technologies in education
- Augmented and virtual reality in education

Program Committee

Co-chairs of the Program Committee:

- Jože Rugelj, University of Ljubljana, Ljubljana, Slovenia
- Maria Lapina, North Caucasus Federal University, Stavropol, Russia

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- Olga Pankratova, North Caucasus Federal University, Stavropol, Russia
- Denis Parfenov, Orenburg State University, Orenburg, Russia
- Vyacheslav Petrenko, North Caucasus Federal University, Stavropol, Russia
- Vesna Ferik Savec, University of Ljubljana, Ljubljana, Slovenia
- Irena Nančovska Šerbec, University of Ljubljana, Ljubljana, Slovenia
- Daniela Tuparova, South-West University "Neofit Rilski", Blagoevgrad, Bulgaria
- Terje Väljataga, Tallinn University, Tallinn, Estonia
- Roman Voronkin, North Caucasus Federal University, Stavropol, Russia
- Svetlana Zenkina, Academy of social management, Moscow, Russia

November 12, 2020

10.00 Moscow time

Greeting from the Program Committee

Jože Rugelj, University of Ljubljana, Ljubljana, Slovenia
Maria Lapina, North Caucasus Federal University, Stavropol, Russia

Guest speaker

– *Kristian Stancin and Natasa Hoic-Bozic* The importance of using digital games for educational purposes for students with intellectual disabilities

Session 1

10.30 Moscow time

– **Aleksei Alipichev**, *Liudmila Nazarova, Marina Shingareva, Aleksei Siman* Improving the Credibility of Pedagogical Diagnostics in E-Learning

– **Anastasiia Timofeeva**, *Tatiana Avdeenko, Olga Razumnikova* A Merging Method to Discretizing and Grouping the Input Factors of ANOVA Model while Research of Time Dynamic of the Students Intelligence Quotient

– *Svetlana Lebedeva, Ekaterina Starodubtseva, Irina Krivko, Vera Denisova* Distance Teaching and Learning: Online Marathons as a Tool of Improving Foreign Language Skills

– *Yulia Bogatyreva, Alexandr Privalov, Vladimir Romanov and Maria Lapina* Development of competencies of the digital economy of teachers in the conditions of digital transformation of education

– **Tatiana Marchenko**, *Anastasia Kolobkova* Design and Implementation of a CAT Training Course

– *Valerian Gabdulchakov, Natalya Novik, Olga Yashina* Anthropology of teacher training in interdisciplinary and digital education

11.30 Moscow time

– **Marina Murtazina**, *Tatiana Avdeenko* Measuring cognitive load based on EEG data in the intelligent learning systems

– *Yuriy Sosnovskiy, Veronika Ilyina, Victor Milyukov* Information security risks of distance learning software in the sphere of education as an element of critical information infrastructure

– **Victoria Drozdova**, *Galina Shagrova, Oksana Mezentseva Oksana, Nurlan Tursynhanov* S-curves of R. Foster's technological processes and labor market challenges to the higher education system

– *Galina Shevchenko, Anna Kalashnikova, Aleksandra Rybakova, Svetlana Brynza* Tasks, Functions and Basic Activities of an Online Tutor

– *Tatyana Kulikova, Natalia Poddubnaya. Aleksandr Ardeev, Polina Alekseeva* Formation of students' digital literacy by means of VR and AR technologies

– *Olga Pankratova, Ekaterina Konopko, Natalya Ledovskaya, Taisia Shabaldas* Building professional competence for teachers in the field of educational robotics

12.30 Moscow time

- *Svetlana Zenkina, Tatiana Suvorova, Elena Gerasimova, Ekaterina Mamaeva* Formation of Digital Competences of Future Teachers by Means of Information Educational Environment
- *Natalya Novik, Svetlana Bashinova, Natalya Kunshina, Aleksandr Sukharev* Digital learning environment in modern conditions
- *Bella Kazieva, Kantemir Kaziev, Valery Kaziev, Fatimat Kudaeva* The Self-organizational Potential of SMART University and Its Evolution
- *Olga Skorodumova, **Ibragim Melikov*** Digitalization of Education: Perspective Achievements and Socio-Anthropological Risks

Session 2

10.30 Moscow time

- *Tatyana Masharova, Magomedhan Nimatulaev, Elena Kharunzheva, Marina Perevozchikova* Formation of demanded soft skills in the game environment of the educational web-quest
- *Anna Aletdinova, **Zoya Kapelyuk**, Yulia Makurina* Digital Competencies of Russian Rural Pensioners for Labor Activity: Features, Changes in Demand
- *Galina Kurcheeva, Georgy Klochkov* Crowd Intelligence System in Project Training of Students
- *Nina Romancheva, Olesya Manolova, Vadim Michkasov* Procedural simulators as an element of the digital educational environment in the aviation specialist training
- *Tatiana Ibragimova, Alexandra Rozhnova, Natalia Yeriomina, Katerina Chernenko* Application of Geologic Modeling Technologies in Educational Process and Scientific Activity (Based on Petrel Software Package)
- *Tatyana Dalgaly* Benefits and drawbacks of online education

11.30 Moscow time

- ***Sergey Shcherbakov**, Joze Rugelj, Maria Lapina, Lapin Vitalii* Methodological support of game modeling in the educational process
- *Valentina Kuznetsova, Iskandar Azhmukhamedov, Oleg Evdoshenko* The proorientation method of students with directions of training "Information security" and its software implementation
- *Tatyana Ivanova, Ekaterina Mityachkina, Marina Fastova, Anna Kharitonova* Implementation of the Principle of General Accessibility of Education and Adaptability of the Education System in the Russian Federation through the Use of E-Learning And Distance Educational Technologies
- *Margarita Shutikova, Alibek Dzakmykhov, Marina Dzamykhova, Olga Ivanova* Entrepreneurship in the digital economy society: pedagogical aspects
- *Ekaterina Blagoveshchenskaya, Victor Garbaruk, Nina Popova* Organizational and Pedagogical Problems in the Process of Distance Learning at a University
- *Ekaterina Kargapolova, Yulia Davydova* Online activities of students living in a metropolis under the pandemic

Session 3

10.30 Moscow time

- *Viktoriya Taran, Ivan Azarov, Polina Konopko* Augmented Reality as a Modern Learning Tool
- *Vladimir Belenko, Alla Klepikova, Sergey Nemtsev, Tatiana Belenko* Innovative approaches in the educational process management of the university with the use of information and educational environment
- *Olga Raetzkay, Marina Kobyakova, Violetta Yudina* Informatization of education is a mandatory component of engineering education
- *Julia Tsarapkina, Alena Anisimova* Use of Augmented Reality Technology as a Way to Increase Learning Motivation of Students
- *Natalia Kononova, Tatyana Grobova, Yana Agakhanova, Liza Elkanova* Practice of transition to distance learning format
- *Lyudmila Mahleeva, Valentina Kormakova* Information Technology Importance in the Development of Learners' Professional Self-Identity

11.30 Moscow time

- *Nina Khodakova, Anna Antonova, Tatiana Semenova* Teacher refresher course as digital pedagogy tool in Moscow
- *Magomed Abdurazakov, Elena Burdukovskaya, Ziyaudin Batygov, Lyubov Shilova* Aspects of Ensuring Information Security in the Educational and Pedagogical Sphere
- *Magomed Abdurazakov, Svetlana Volkova, Polina Vasilyeva, Elvira Matveeva, Margarita Tyutyunkova* Electronic educational resources as a means of digital education development
- *Petr Chetyrbok, Marina Shostak, Yulia Andrusenko, Tatiana Gish* The use of information (distance) technologies in the process of hospitality industry professional training under COVID19 pandemic conditions in the southern region of Russia
- *Lyudmila Alexandrova, Galina Mozhaeva, Malvina Karabasheva, Maria Lapina* Use of IT for Student-Centered Learning Approach to Education at Modern University
- *Denis Parfenov, Leonid Legashev* Complex system of automation of the educational process, implemented with the application of distance educational technologies in the system of higher education