

AGENDA

The Regional Conference DIG4TEACH

Digital Competences of Educators - the Base of Digital Serbia

Novi Sad, 18th February 2019

**Location: The Rectorate Conference Hall of the University of Novi Sad,
Dr Zorana Đinđića 1**

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POKRET ZA
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RAZVOJ SRBIJE

09:00 - 10:00	Registration and Welcome Coffee
10:00 - 10:10	<p>Welcome</p> <p>~ Mrs. Tatjana Matić, State Secretary in Ministry of Trade, Tourism and Telecommunications ~</p>
10:10 - 10:20	<p>Welcome</p> <p>~ A representative from town of Novi Sad ~</p>
10:20 - 10:30	<p>Welcome</p> <p>~ A representative of University of Novi Sad ~</p>
10:30 - 10:50	<p style="text-align: center;">Introduction to Digital literacy and digital competency (based on European Commission's DigCompEdu framework)</p> <p style="text-align: center;">~ Alessandro Brolpito, European training foundation, Senior Specialist in Digital Skills and Learning, at the European Training Foundation (ETF), an agency of the European Union (EU) based in Italy ~</p> <p>His work focuses on digital skills and competences, and use of digital technologies in education and training. Since 2014, he is a member of the European Commission's working groups on Digital Skills and Competence, and Digital and Online Learning. He recently contributed to the development of the European framework for digital skills and competences for citizens (DigComp), teachers (DigCompEdu) and educational organisations (DigCompOrg) led by the Joint Research Centre of the EC. He co-authored the ETF publication 'Digital and Online Learning in Vocational Education and Training in Serbia' and authored an ETF position paper on Digital Skills and Digital and Online Learning.</p>
10:50 - 11:20	<p style="text-align: center;">Professional engagement (communication, conferences, practice, continuous development)</p> <p style="text-align: center;">~ Prof. Maria Begona Pena Lang, PhD, University School of Engineers of Bilbao, University of the Basque Country ~</p> <p>Professor in the Department of organisation of business. Research fields: Economic development through digital innovation on education, Research groups: Regional development. Guest researcher at HWWI - Hamburg Institute of international economics and at NTNU - Norwegian university of Science and technology - Big Data and Knowledge management research group, and researcher for EURASHE RDI working group and ICCI-International center on continuous innovation-Universidad Europea - Madrid (Spain). She has international links with more than 1000 international universities, schools, and companies. She is currently doing different projects on innovation in education, and economic development and is a coordinator of COMENIUS, ERASMUS + and HORIZON 2020.</p>

<p>11:20 - 11:40</p>	<p>Digital resources (selection, creation, management - Industry 4.0) ~ Prof. Radivoje Mitrović, PhD, Dean of Mechanical Engineering Faculty and Prof. Vidosav Majstorović, PhD, Faculty of Mechanical Engineering, University of Belgrade ~</p> <p>Prof. Mitrović is a full professor at Machine Construction Department. Research fields: CAx in Design, Education of engineering. I4.0; Prof. Majstorović is a full professor of Production Engineering Department. Research fields: Quality Management, Manufacturing Methodology, I4.0.</p>
<p>11:40 - 12:10</p>	<p>Coffee Break</p>
<p>12:10 - 12:40</p>	<p>Teaching and learning (teaching, interaction, cooperation, learning management) - Skills for industry 4.0: Digitalization of humans by 3Lateral ~ Uroš Sikimić, PhD, business developer for IT, 3Lateral, Novi Sad ~</p> <p>Currently running business development and research initiatives with the goal to empower digital life through technologies and art. Specially focused on the digitalization of human face for a wide spectrum of industrial applications (gaming, movie, VR/AR/MR, biometrics, medical, biotech, artificial intelligence, robotics and similar). International experience in Strategic Management, Technology/Innovation Management and Data Science. Well balanced academic and industry knowledge, along with engineering and business understanding, with strong global network and exposure. Focus: Virtual and Augmented Reality, Mixed Reality, Big Data and Data Analytic, R&D Management, New Product/Service Development and Launch, Business Process Engineering, Optimization and Redesign, Innovation, Portfolio Management and Planning for Angel Investors, Venture Capital and Private Equity, Technology Commercialization.</p>
<p>12:40 - 13:10</p>	<p>Evaluation (strategy, records, planning, and feedback) ~ Božo Krstajić, PhD, Department of Electrical Engineering at the University of Montenegro, not confirmed ~</p> <p>Extensive knowledge in troubleshooting and repairing a wide variety of computer platforms and network configurations, Excellent analytical and decision making skills. Designed academic networks of the Podgorica University in Montenegro and Luigj Gurakuqi, in Shkodres, Albania and implemented e-learning platforms. He has many FP6, FP7, H2020, Tempus, and IPA projects and is a Member of IEEE.</p>
<p>13:10 - 14:00</p>	<p>Networking Lunch</p>
<p>14:00 - 14:30</p>	<p>Empowering students (accessibility, personalization, active participation) ~ Prof. Dragan Mašulović, PhD, Faculty of Sciences, University of Novi Sad ~</p> <p>Full professor at the Department of mathematics and informatics. Expertise lies on the border of Discrete mathematics, Algebra and Model theory. Experience in teaching Mathematics and Computer science to non-mathematics students. Subjects: Multimedia, Computer graphics and Discrete mathematics, Health care informatics, Computer programming for mathematically gifted high school students. Active in Youth Research Center Petnica in Valjevo, Serbia. In 2006 and 2010 he was a Visiting Professor for Discrete Mathematics at the Johannes Kepler University in Linz, Austria. He is now serving as the Coordinator of Digital Services at the Faculty of Sciences.</p>

Enabling students' digital competencies (literacy, communication, creation, responsible use, and problem solving)

~ Prof. Radivoj Stojković, PhD, Headmaster of Grammar school
Jovan Jovanovic Zmaj, Novi Sad ~

Headmaster of Grammar School J. J. Zmaj since 2002. He has been educating for a long time mathematical talents starting from seventh grade of elementary school up to the senior high school year of. He graduated in mathematics and holds two doctoral degrees in math. Member of National Education Council of the Republic of Serbia from 2005 and its president from 2017. President of Organization of Grammar Schools in Serbia from 2006. Assistant Professor at State University in Novi Pazar from 2017. Professor of Higher School of Professional Business Studies Novi Sad. Assigned Courses: Data Structure and Algorithms 2008-2014. His mathematical interests are in applications of computers in education of mathematics. He is engaged in popularization of computer science.

14:30 - 15:00

Master Class: Exchange of Best Practices, Conceptual frameworks and tools that EC has developed for the development of digital competence of lifelong learners (DigComp), teachers/educators (DigCompEdu), and schools (DigCompOrg and SELFIE)

~ Panagiotis Kampylis, PhD, Research fellow, Joint Research Centre (JRC) of EC ~

He contributes to research and policy support in the field of learning and skills for the digital age and is the project leader and principal researcher of SELFIE, the self-reflection tool for digitally capable schools. He holds a Ph.D. in cognitive science. Research interests include creativity and innovation in education and training, arts education, digital age learning, digital competence, computational thinking and entrepreneurship competence.

Immersive technologies for learning: examples from the Norwegian University of Science and Technology (NTNU)

~ Ekaterina Prasolova-Førland, PhD, NTNU ~

Professor at the Department of Education and Lifelong Learning at the Norwegian University of Science and Technology (NTNU), working with educational virtual worlds and immersive technologies since 2002, with nearly 100 publications in the field. She has been involved in developing educational virtual reality simulations for a wide range of stakeholders, from aquaculture industry to the Norwegian Armed Forces. She is leading Innovative Immersive Technologies for Learning (IMTEL) research group and VR lab at NTNU. She is founder of Women in VR/AR Norway and she is leading the development of innovative VR/AR solutions for the Norwegian Labour and Welfare Administration to assist and empower young job seekers (being among the finalists of 2018 Breakthrough Auggie Awards and the winner of EuroVR Best Demo Award 2018). She is also working on a number of projects on educational applications of immersive technologies in professional training, medicine and therapy, career guidance, collaborative work, emergency management and other areas.

15:00 - 16:00

Digital Competence Framework - The Digital Age Teacher

~ Danijela Nela Šćepanović, PhD, Ministry of education, science, and technological development, Education Policy Analyst and Educational Technologist ~

Danijela Šćepanović is an Education Policy Analyst and Education Technologist with over 15 years of experience in preparing, reviewing and assessing strategic and programming documents relevant for all levels of the education sector development, including topics such as: poverty reduction, ICT in education. Member of the Working group on digital and online learning established by the European Commission, Directorate-General for Education and Culture.

16:00 - 16:30

Discussion

16:30 - 17:00

Networking Coffee and Sundowner