# ITRO2024 - AGENDA

| Friday, November 29th, 2024, Technical faculty "Mihajlo Pupin, Zrenjanin* | | |
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| 9.00-10.00 | Registration of the participants | |
| 10.00-10.30 | Opening ceremony | **Prof. Dr. Jelena Stojanov**, Chairman of the Organizing Committee<br>**Prof. Dr. Milan Nikolic**, Dean of the Technical Faculty "Mihajlo Pupin"<br>**Prof. Dr. Branko Markoski,** Provincial Secretary for Higher Education and Scientific Research |
| 10.30-11.30 | Plenary lectures (20 minutes each) | |
| | **Prof. Dr. Emilia Tosheva**<br>SWU "Neofit Rilski", Faculty of Engineering, Blagoevgrad, Bulgaria<br>FORMATION OF TECHNOLOGICAL COMPETENCE IN STUDENTS | |
| | **Prof. Dr. Tanja Sekulic**<br>Technical College of Applied Sciences, Zrenjanin, Serbia<br>DIGITAL COMPETENCIES: WHAT HAVE WE DONE AND WHERE ARE WE GOING? | |
| | **Prof. Dr. Stanislava Maric Jurisin**<br>University of Novi Sad Faculty of Philosophy, Novi Sad, Serbia<br>CRITICAL DISTANCE - A TEACHING COMPETENCE THAT IS (NOT) SLIPPING AWAY IN THE DIGITAL AGE | |
| 11.30-12.00 | Coffee break | |
| 12.00-13.30 | Session 1 (15min talks)<br>Chairman Prof. Dr. Dragana Glusac | Hall 35 |
| 13.30-14.15 | Lunch break | |
| 14.15-16.00 | Session 2 (15min talks)<br>Chairman Prof. Dr. Snezana Jokic | Hall 35 |
| 16.00-16.15 | Coffee break | |
| 16.15-17.35 | Session 3 (10min talks)<br>Chairman Prof. Dr. Vesna Makitan | Hall 35 |
| 14.15-17.35 | Poster Session<br>Chairman Prof. Dr. Marjana Pardanjac | Hall 36 |
| 17.40-18.00 | Conference Closure<br>Chairman Prof. Dr. Jelena Stojanov | Hall 35 |

* Djure Djakovica bb, Zrenjanin, Serbia, http://www.tfzr.uns.ac.rs/

| **Session 1** (15min talks)<br>**Chairman: Dragana Glusac** | |
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| Mentorship Lessons Learned from Lower Secondary School Reinforcement Learning Project | Drago Bokal, Gregor Bokal, Janja Jerebic |
| Communicative Language Teaching: Enhancing speaking skills in non-native learners with specific reference to SEE University students of BES | Rufat Osmani |
| SEEU students use AI for academic benefits. What to do about it? | Basri Saliu, Kujtim Ramadani |
| Analysis of Students' Academic Achievement in the Field of Probability | Anja Znidarsic, Jelena Ivetic, Maria Kis, Natasa Durakovic, Tatjana Grbic |
| Numerical Methods for Finding the Root of a Polynomial | Ivana Loncarevic, Jugoslav Bajkin, Natasa Durakovic, Sandra Buhmiler, Slavica Medic |
| Generic Framework for Online Multiplayer Turn-based Games Implementation Using Rust Programming Language | Csaba Szabo, Matus Semancík, Simon Porvaznik, Stefan Puci - online |

| **Session 2** (15min talks)<br>**Chairman: Snezana Jokic** | |
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| Soft Skills in Secondary Education: A Basis for Competitiveness in the Job Market | Mirkovic Snezana, Kavalic Mila, Darusi Edi |
| Experiences in the creation and use of electronic teaching materials in vocational subjects in Srednja Tehnicka Skola | Marijana Bogdanovic |
| School without mobile phones - impact on socialization | Ivana Popovic, Marina Todic, Sonja Djukic Popovic, Stefan Popovic, Violeta Dimic |
| Use of Mobile Phones for Mathematics Learning in Primary School | Marija Pejic, Ninoslava Tihi |
| Enhancing Mathematics Education through Project-Based Learning and Modern Technologies: A Practical Approach | Branislava Zubac, Goran Manigoda, Tanja Sekulic |
| Blended Learning: Challenges and Opportunities for Higher Education | Katarina Vignjevic, Blazic Marko, Dobardzic Dilan, Glusac Dragana, Brtka Eleonora, Jovanov Nikola, Radulović Biljana |
| Digital Dialogue in the Function of Optimizing the Time Allocation of Dominant Roles in Class | Momcilo Randjelovic, Radoje Jevtic, Ljijana Stanojevic |

| **Session 3** (10min talks, online)<br>**Chairman: Vesna Makitan** | |
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| Analysis of the Knowledge of Primary Education Students for Following Subjects in Higher Education Related to Informatics | Aleksandar Velinov, Dragan G., Elena G. Karamazova, Mirjana Kocaleva |
| Python Chatbot: Virtual Assistant | Biljana Zlatanovska, Cveta M. Bande, Kamelija Arnautova, Mirjana K. Vitanova, Natasa Stojkovikj., Elena G. Karamazova |

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| Metaheuristics methods for solving Capacity Vehicle Routing Problem: An Overview | Aleksandra Stojanova, Cveta M. Bande, Limonka K. Lazarova, Natasha Stojkovik |
| E-learning platforms for studying cloud technologies | Aleksandar Velinov, Aleksandra Nikolova, Elena Karamazova Gelova, Zoran Zdravev |
| Enhancing Mathematics Education Through Digital Technologies and Innovative Approach | Aleksandra Pesevska Mitanovska, Ana Atanasova, Dobri Jonevski, Tatjana A. Pacemska |
| Building Everyday and Basic Learning Skills through Play: Educational Robots as a Tool for the Improvement of the Learning of Students with Special Educational Needs | Tatjana A. Pacemska, Darko Bogatinov, Ana Atanasova, Dobri Jovevski, Roxane Huart |
| Comparative education in action, using insights from international project to advance academic and research integrity domestically | Hajrulla Hajrullai, Veli Kreci |

| **Poster Session**<br>**Chairmans: Marjana Pardanjac** | |
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| Maintenance management system and organizational behavior in educational institutions | Duska Cokanica, Igor Kostovski, Rade Dragovic, Vladimir Milosev |
| Using Data Warehouse for Forecasting Student Success | Andjela Smiljanic, Dragoljub Krneta |
| Analysis of the impact of organizational learning on organizational conflicts in domestic companies | Verica Gluvakov, Djordje Vuckovic, Stefan Ugrinov |
| Encouraging Creativity in Student Education | Dragana Kovac, Edita Terek Stojanovic, Maja Gaborov, Melita Cockalo-Hronjec |
| Personalized Learning Environments Tailoring Education Through Technology | Mihalj Bakator, Dragan Cockalo Sanja Stanisavljev, Edit Terek Stojanovic, Verica Gluvakov |
| Machine Learning in Educational Methods for Improving Learning Outcome | Mihalj Bakator, Luka Djordjevic, Borivoj Novakovic, Stefan Ugrinov, Velibor Premcevski |
| Integrating Supply Chain Education into STEM Programs | Stefan Ugrinov, Sanja Stanisavljev, Mihalj Bakator |
| Self-Evaluation of Primary Schools in the Application of Information and Communication Technology | Miladinovic Zeljko, Miladinovic Maja, Dragica Radosav, Danka Stankovic |
| Physical Violence in Primary School | Maja Miladinovic, Zeljko Miladinovic, Oana Omoran |
| Implementation of Artificial Intelligence in Teaching and Learning | Ivan Gasic, Marko Beljin, Zeljko Stojanov, Peter Odry, Zoltan Vizvari, Vladimir Tadic |
| Architecture and development methodologies of modern recommender systems: a machine learning-based approach | Ognjen Tomic, Marija Blagojevic |
| Vector Applications in Mechanics: A Way to Bring Mathematics and Physics Together | Ivana Loncarevic, Laszlo Juhasz, Tatjana Grbic, Slavica Medic, Sandra Buhmiler |
| The influence of modern forms of learning on learning motivation | Asim Praskic, Vesna Srdic, Snezana Jokic |
| Teachers' methods and strategies for developing students' computing competencies | Tamara Milic, Igor Vecstejn |
| Education in Specialized IT Departments in the Republic of Serbia - Comparison with International Practices | Tamara Milic, Nemanja Tasic |

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| Performance metrics for object-oriented programming languages and Python used for embedded systems programming | Vuk Amizic |
| Students' Attitudes Towards the Importance of Using AutoCAD Tools in Teaching | Nikola Jerkovic, Uros Sarenac, Ivana Berkovic |
| Adapting School Curriculums for 21st Century Skills: A Teacher's Perspective on Educational Transformation | Nemanja Tasic, Miodrag Kovacevic, Matilda Lazic, Asim Praskic, Aleksandra Karuovic, Marko Kojic |
| Multimedia Dynamics in Responsive Web Portal with The Use Of Presentation Models: Preschool Institution Zrenjanin Case Study | Ljubica Kazi, Tatjana Lojovic, Zeljko Cvijanovic, Maria Kazi, Visnja Ognjenovic, Vuk Amizic, Dragica Radosav, Ivana Berkovic, Zoltan Kazi, Dragana Glusac |
| The Digitalisation of Education: Current Trends, Challenges, and Future Predictions | Marija Pekez |
| The Impact of the Mentor in the Process of Writing a Final Thesis: Experiences of Students | Nikola Jerkovic, Ana Jovanovic, Visnja Ognjenovic, Ivana Berkovic |
| InfluxDB as an educational example of a Time-Series database used in the Industrial Internet of Things system for dust monitoring | Srdjan Felbab, Biljana Radulovic, Dalibor Dobrilovic |
| Review on software applications for children with dyslexia | Burim Baftijari, Saso Koceski |
| Software Evolution Monitoring Framework in the Context of Software Projects and Maintenance Standards: Case Study of Preschool Institution Web Portal | Ljubica Kazi, Tatjana Lojovic, Zeljko Cvijanovic, Chotaliya Narendra |
| Integrating OLAP for Assessing and Enhancing Teacher Digital Competencies in Modern Education | Dilan Dobardzic, Katarina Vignjević, Biljana Radulovic, Visnja Ognjenovic |
| Digitalization and legal education | Danijela Glusac |
| Using ICT in the Education of Children with Special Needs: a Scoping Review | Vesna Hristovska, Natasa Koceska |
| Literature Review – Ontology Models for Knowledge Management in Software Engineering | Igor Vecstejn, Zeljko Stojanov, Maja Gaborov |
| The Importance and Role of Elementary Schools Website in the Realization of Distance Learning | Aleksandra Karuovic, Ivana Macesic, Marjana Pardanjac, Nadezda Ljubojev, Snezana Jokic |
| Online Exam Proctoring System – Student Perspective | Blagoj Kotevski, Natasa Koceska, Saso Koceski |
| Mobile Application for Music Streaming Services | Nemanja Ametovic, Eleonora Brtka, Vesna Makitan, Predrag Novokmet, Nikola Jovanov, Ana Kószó |
| The Role of Artificial Intelligence in Agricultural Supply Chains in Developing Countries | Lemboye Mukhtar Afolabi, Evgeny Alexandrovich Cherkashin |
| New Technologies in the Service of Industrial Digitalization: Industry 4.0 and the Evolution of Computer Networks | Zoltán Nyikes, László Tóth and Tünde Anna Kovács |
| The Role of Organizational Learning in Higher Education | Mirkovic Snezana, Kavalic Mila, Darusi Edi |