

Oct 9, 2025	10:00-10:45 Ceremonial Hall	Opening ceremony
	10:45-11:30 Ceremonial Hall	Keynote talk: Álvaro Rocha AI in Health Care Strategies
	11:30-12:00 Hallway	Coffee break
	12:00-13:30 Ceremonial Hall	Machine learning 1 1. Modeling soil-to-plant transfer factors of natural radionuclides with Random Forest algorithm 2. Classification of physics problems as a basis for the development of educational AI Models 3. Explainable Autonomous Driving Research with Object-Level Vector Modality Integration 4. Effects of Different Preprocessing Methods on Cell Segmentation using U-Net Neural Networks
	12:00-13:30 Room 102	AI and ethics/ AI in education and culture 1. Invisible Barriers: AI Bias and Cross-Border Privacy Risks in Automated Hiring 2. The Challenges of AI Integration in Educational Systems 3. Challenges and Potentials in the Use of Artificial Intelligence for the Reconstruction and Simulation of Old Dialects and Language Varieties in the Balkans 4. From substitute to cognitive amplifier: The AIEB framework (AI as Educational Booster) for strategic teacher training
	12:00-13:30 Room 103	Generative AI 1. Efficient Feature Disentanglement via Orthogonal Decomposition for Model Fine-tuning 2. Risk, Regulation, and Readiness: Generative AI Adoption in Healthcare and IT 3. Integration of RAG Pipelines in Medical Report Generation 4. On the Robustness and Privacy of Lightweight LLM Routers in Retail Contexts
	13:30-15:00	Lunch Break
	15:00-16:30 Ceremonial Hall	Natural Language Processing 1 1. MSEAN: Multi-Level Semantic Enhancement with Graph Attention Network for Image-Text Matching 2. Students' Acceptance of AI agents: the TAM-AS Model 3. Using a generative LLM to create an annotated dataset in Serbian: Outcomes and lessons learned 4. Text validation in NLP applications: A Chain of Responsibility approach
	15:00-16:30 Room 102	Computer vision 1. Driving Scene: A real-time and high-precision driving scene reconstruction method based on 2D Gaussian splatting 2. Efficient High-Fidelity Reconstruction of Dynamic Urban Scenes via Gaussian Splatting

		<p>3. Digitizing Serbian Periodicals: A Modular Pipeline for Historical Collections</p> <p>4. Intelligent Syndrome differentiation and prescription for Traditional Chinese Medicine</p>
	<p>15:00-16:30 Room 103</p>	<p>Uncertain knowledge and reasoning/ Automatic and interactive theorem proving/Decision making</p> <p>1. Hesitant fuzzy sets and hesitant fuzzy relations over the Gödel power set quantale</p> <p>2. Complete meet-continuous codomain lattice and extremal solutions of L-valued fuzzy relation equations</p> <p>3. Formalization of gyrovector spaces as models of hyperbolic geometry and special relativity</p> <p>4. On a Machine Learning Approach for the Minimums Evaluation of Complex Multidimensional Functions</p>
	<p>16:30-17:00 Hallway</p>	Coffee break
	<p>17:00-18:45 Ceremonial Hall</p>	<p>Natural Language Processing 2</p> <p>1. Large-Scale Simulation of Reddit Communities Using Multi-Agent LLM Systems</p> <p>2. AI-Powered Grading for Higher Education</p> <p>3. Benchmarking of Methods for Detecting Machine-Generated Text in Serbian</p> <p>4. From Unstructured Interviews to Queryable Knowledge: An AI Pipeline for the "Digitalne Ikone" Corpus using TEI, NER, NEL, and RAG</p> <p>5. Hybrid Knowledge Graph and Machine Learning Framework for Code-mixed Anti-Religious Content Detection</p>
	<p>17:00-18:45 Room 102</p>	<p>Machine learning 2</p> <p>1. CNN-based recognition and correction of axes misalignments and tilts in the wireless communications system utilizing OAM modes for data transmission</p> <p>2. Machine Learning-Based Profiling of Migraine with Aura: From Binary Detection to Multilevel Complexity Classification Using Structural MRI</p> <p>3. Behavioral Health Intervention</p> <p>4. Hybridization of metaheuristics with machine learning methods</p> <p>5. An Approach for Security Support of Federated Machine Learning Against Backdoor Attack</p>
	<p>17:00-18:45 Room 103</p>	<p>Knowledge representation, reasoning and planning / Explainable AI</p> <p>1. Intelligent data – the platform driven approach</p> <p>2. Synergy of LLMs and ontologies to reduce cognitive load in manufacturing process</p> <p>3. Differences between explainability in tabular and unstructured data: An experimental analysis of XAI methods</p> <p>4. No-Code AI Automation – Data Analysis with Visual Workflow Automation</p> <p>5. Some possibilities to optimize federated learning processes</p>

Oct 10, 2025	10:00 AM Ceremonial Hall	R.
	10:45-11:30 Ceremonial Hall	Keynote talk: Petar Veličković LLMs as GNNs (to understand how they generalise)
	11:30-12:00 Hallway	Coffee break
	12:00-13:30 Ceremonial Hall	Natural Language Processing 3 1. Developing Language Resources for Recognizing Moral Aspects in the Serbian Language: Multi-label Categorization through the Perspective of Moral Foundations Theory 2. Multimodal Intelligence for Medical Text Extraction: Benchmarking Vision LLMs Against Classic Pipelines in Serbian 3. Active Learning in Automatic Speech Recognition 4. Analysis of LLMs and Classical NLP Systems for Investment Sentiment
	12:00-13:30 Room 102	AI and security/AI and privacy 1. Potential Applications of Artificial Intelligence for Countering Cyber-terrorism 2. Application of AI for the Evaluation of Catalan-Based Cryptographic and Steganographic Methods 3. Artificial Intelligence and Citizen Identification through Matching Biometric Data with Audio and Video Recordings From Public Spaces: the Legal Status of Current Practice in Serbia 4. Development of an Advanced Intrusion Detection System using Autoencoders
	12:00-13:30 Room 103	Problem solving/Decision making 1. Hybrid CPU-FPGA Architectures for Efficient Execution of AI Algorithms 2. Metaheuristic Clustering of Incomplete Data: Towards Adaptive Objective Functions and Prior-Guided Initialization 3. ASPEN: Solving Nonlinear Equality-Constrained Learning Problems in Machine Learning 4. Energy of Interval-Valued Bipolar Neutrosophic Soft Sets: A New Tool for Medical Decision-Making
	13:30-15:00	Lunch Break
	15:00-16:45 Ceremonial Hall	Natural Language Processing 4/Language models 1. Towards Linguistic Completeness in Knowledge Graphs: Generating Serbian Inflections with Language Models 2. Harnessing Large Language Models for Medical Lexicon Simplification 3. Semantic Landscapes of Dementia: Insights from PubMed and Language Model Embeddings 4. Pilot Text to Text Transfer Transformer Model for Serbian Language 5. A Decade of Student Voices: Leveraging LLMs to Scale Analysis of Student Feedback for Actionable Course Improvement
	15:00-16:45 Room 102	Generative AI 2 /General AI 1. Exploring AI use among elementary school pupils

		<p>2. Efficient Fine-Tuning of LLaMA 3.2 Vision for Serbian Language Generation</p> <p>3. Fake News Detection in Serbian using Large Language Models and Knowledge Graphs</p> <p>4. No-Code AI Automation – Data Analysis with Visual Workflow Automation</p> <p>5. Game Engine-Based RGB-Thermal Image Simulation: A Platform for Future AI Integration</p>
	<p>15:00-16:45 Room 103</p>	<p>Machine learning/Explainable AI/AI and security</p> <p>1. Using Machine Learning to Predict Space Weather's Effect on Precipitation-Induced Floods from Solar Activity Time Series</p> <p>2. The incorporation of LLM tool-calling capabilities for enhancing the Explainable AI paradigm in classification tasks</p> <p>3. Analyzing AI Incidents to Enhance System Security</p> <p>4. Explainable AI in Medicine: Bridging Trust, Transparency, and Clinical Utility</p> <p>5. A Blockchain-Driven Optimization Mechanism for Federated Learning Data Distribution</p>