

DATA MINING AND DATA WAREHOUSES – SIKDD

ODKRIVANJE ZNANJA IN PODATKOVNA SKLADIŠČA - SIKDD

Monday 6th October 2025 / Ponedeljek 6. oktober 2025

Physical Seminar Room / Fizikalni Seminar

ZOOM link: <https://zoom.us/j/99851110233>

9:00 – 11:00	Opening Session A / Sekcija A Chair / Vodi: Dunja Mladenić • Semantic Prompting for Large Language Models in Biomedical Named Entity Recognition Erik Calcina, Erik Novak and Dunja Mladenić • LLM Based Approach to Extracting Smells in Slovenian Corpora Janez Brank, Inna Novalija, Dunja Mladenić and Marko Grobelnik • BetweenTheLines - Cross Source News Analysis Georgi Trajkov, Marko Grobelnik and Adrian Mladenić Grobelnik • Identifying Social Self in Text: A Machine Learning Study Jaya Caporusso, Matthew Purver and Senja Pollak • WinWin Meets – Investigating the Future of Online Meetings Martin Žust, Marko Grobelnik, Alenka Guček and Adrian Mladenić Grobelnik • Predicting Ski Jumps Using State-Space Model Živa Hegler, Neca Camlek, Jakob Jelenčič, Marko Grobelnik and Dunja Mladenić • Predicting milling overload based on sensor data: a graph-based approach Roy Krumpak, Jože M. Rožanec, Dunja Mladenić, Zhenyu Guo, Tao Song, Dumitru Roman, Inna Novalija and Xiang Ma • Short and Long Term Bike Rental Forecasting Oskar Kocjančič and Martin Žnidaršič
11:00 – 11:30	Break / Odmor

11:30 – 13:10	Session B / Sekcija B Chair / Vodi: Marko Grobelnik • Predicting Traffic Intensity on Motorway Sections Matic Kladnik and Dunja Mladenec • Empowering Youth for Smart Cities with AI Solutions to Community and Urban Challenges in the Context of SDG 11 Mustafa Zaouini, Joao Pita Costa, Yousef Rahmani, Rayan Kassis, Luka Stopar, Sohaib Souss, Asmai Langari and Ouidad Mochariq • Automated First-Reply Generation for IT Support Tickets Using Retrieval-Augmented Generation and Multi-Modal Response Synthesis Domen Jeršek, Klemen Kenda, Matteo Frattini and Rok Klančič • A Machine-Learning Approach to Predicting the Pronunciation of Pre-Consonant l in Standard Slovene Jaka Čibej SHORT PRESENTATIONS • Sequencing News Articles with Large Language Models within Enterprise Risk Management Context Žiga Debeljak, Dunja Mladenec and Klemen Kenda • Graph-Based Feature Engineering for DeFi Security Incident Severity Prediction Daria Pavlova, Inna Novalija and Dunja Mladenec • Evolving Neural Agents in Simulated Ecosystems Marija Četković, Aleksandar Tošić and Domen Vake • Designing AI Agents for Social Media Abdul Sittar, Mateja Smiljanic and Alenka Gucek • Explaining Temporal Data in Manufacturing using LLMs and Markov Chains Jan Šturm, Maja Škrjanc, Olesandra Topal, Inna Novalija, Dunja Mladenec and Marko Grobelnik • Active Learning for Power Grid Security Assessment: Reducing Simulation Cost with Informative Sampling Gašper Leskovec, Costas Mylonas and Klemen Kenda • Supporting Material Reuse in Drone Production Rok Cek, Olesandra Topal, Linda Leonardi, Marherita Forcolin and Klemen Kenda • Temporal Dynamics and Causal Feature Integration for Predictive Maintenance in Manufacturing Systems: A Causality-Informed Framework Seyed Iman Hosseini, Klemen Kenda and Dunja Mladenec
13:10 – 14:00	Lunch Break / Odmor za kosilo

14:00 – 15:00	Session C / Sekcija C Chair / Vodi: Dunja Mladenić • Using Interactive Data Visualization for DeFi Market Analysis Daria Pavlova • A Hybrid Lexicon-Machine Learning Approach to Macedonian Sentiment Analysis Sofija Kochovska, Branko Kavšek and Jernej Vičič • Building an AI-Ready Data Infrastructure Towards a SDG-focused Observatory for the Brazilian Amazon João Pita Costa, Miroslav Polzer, Leonardo Barrionuevo and Joao Paulo Veiga • Towards a format for describing networks, NetsJSON Vladimir Batagelj, Tomaž Pisanski, Iztok Savnik, Ana Slavec and Nino Bašić • Automating Numba Optimization with Large Language Models: A Case Study on Mutual Information Lučka Kozamernik, Martin Jakomin, Blaž Škrlj and Jasna Urbančič • Topological Exploration of Embedded GitHub Repository Data Using Mapper Ivo Hrib and Patrik Zajec • CO2 Monitoring for Energy-Efficient Workloads in Kubernetes: A Data Provider for CO2-Aware Migration Ivo Hrib, Oleksandra Topal, Jan Šturm and Maja Škrjanc • Beyond Surveys: Adolescent Profiling via Ecological Momentary Assessment and Mobile Sensing Jasminka Dobša, Simona Korenjak-Černe, Miranda Novak, Maja Buhin Pandur and Lucija Šutić • Brazil's First AI Regulatory Sandbox: Towards Responsible Innovation Cristina Godoy Oliveira, João Cândia Veiga, Vasilka Sancin, João Pita Costa, Rafael Meira Silva, Masa Kovic Dine, Lucas Costa dos Anjos, Thiago Gomes Marcilio and Anthony Novaes Silva
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