

DATA MINING AND DATA WAREHOUSES – SIKDD

ODKRIVANJE ZNANJA IN PODATKOVNA SKLADIŠČA - SIKDD

Monday 7th October 2024 / Ponedeljek 7. oktober 2024

Big Lecture Hall / Velika predavalnica

Link for online attendance / Povezava za spletno udeležbo:

<https://zoom.us/j/95982606973?pwd=UlkbVd1gY2lZ992E1U2v7O4hlX8P6i.1>

<p>9:00 – 11:00</p>	<p>Session A / Sekcija A</p> <p>Opening Dunja Mladenić, Marko Grobelnik</p> <p>Chair / Vodi: prof. dr. Dunja Mladenić</p> <ul style="list-style-type: none">• Domen Hočevar and Klemen Kenda Integrating Knowledge Graphs and Large Language Models for Querying in an Industrial Environment• Rok Klančič and Klemen Kenda Comparative Analysis of Machine Learning Models for Groundwater Level Forecasting: The Impact of Contextual Data• Bogdan Šinik, Domen Vake, Jernej Vičič and Aleksandar Tošić Interactive Tool for Tracking Open-source Artificial Intelligence Progress on Hugging Face• Patricia-Carla Grigor, Petra Kralj Novak and Bojan Evkoski Multilingual Hate Speech Modeling by Leveraging Inter-Annotator Disagreement• Jaka Čibej Predicting Pronunciation Types in the Sloleks Morphological Lexicon of Slovene• Vladimir Batagelj, Jan Pisanski and Tomaž Pisanski Higher-order bibliographic services based on bibliographic networks
----------------------------	--

	<ul style="list-style-type: none"> • Aymeric Dupuis, Sašo Džeroski, Boshko Koloski and Matej Martinc Are papers all that counts? A bibliometric analysis of the Slovenian scientific community • Tel Amiel, Antonio J. Moraes Neto, Joao Pita Costa, Anja Poljanar and Mitija Jermol Empowering Open Education Methodologies with AI-based Strategies for the Customization of Education • Mustafa Zaouini, Joao Pita Costa, Manal Cherkaoui, Hanaa Hachimi, M. Wahib Abkari, Kamal Gourari, Hatim Lachheb and Jad Tounsi El Azzoiani Addressing Water Sustainability Challenges in North Africa with Artificial Intelligence • Luka Urbanč, Marko Grobelnik and Joao Pita Costa Predicting poverty using regression • Luka Golob and Abdul Sittar Fact Manipulation in News: LLM-Driven Synthesis and Evaluation of Fake News Annotation,
11:00 – 11:30	Break / Odmor
11:30 – 13:00	<p>Session B / Sekcija B</p> <p>Chair / Vodi: prof. dr. Dunja Mladenić</p> <ul style="list-style-type: none"> • Zoran Fijavž Borrowing Words: Transfer Learning for Reported Speech Detection in Slovenian News Texts • Luka Andrenšek, Katarina Sitar Šuštar, Senja Pollak and Matthew Purver Connecting company performance to ESG terms in financial reports • Elham Motamedi, Inna Novalija and Luis Rei Classification of Patents Into Knowledge Fields: Using a Proposed Knowledge Mapping Taxonomy (KnowMap)

	<ul style="list-style-type: none"> • Jernej Stegnar, Jože M. Rožanec, Gregor Leban and Dunja Mladenić Ontology matching through OntoGPT for O3PO, DABGEO, and OEO ontologies • Ivo Hrib, Jan Šturm, Oleksandra Topal and Maja Škrjanc Measuring and Modeling CO2 Emissions in Machine Learning Processes • Ganna Kholmska, Klemen Kenda and Jože Rožanec Enhancing Ontology Engineering with LLMs: From Search to Active Learning Extensions • Rafael Meira Silva, Cristina Godoy Oliveira, Luiz Costa, Joao Paulo Candia Vieira and Joao Pita Costa On the Brazilian Observatory for Artificial Intelligence
13:00 – 14:00	Lunch Break / Odmor za kosilo
14:00 – 16:00	<p>Session C / Sekcija C</p> <p>Chair / Vodi: Marko Grobelnik</p> <ul style="list-style-type: none"> • Alenka Gucek and Dunja Mladenić Pojavljanje incidentov ob uporabi Umetne Inteligence, Marko Grobelnik, Beshar M. Massri • Abdul Sittar, Alenka Guček and Dunja Mladenić Perception of AI in Slovenia • Tesia Šker, Jože M. Rožanec, Gregor Leban and Dunja Mladenić What will happen tomorrow? Predicting future event types for businesses • Lenart Dolinar, Erik Calcina and Erik Novak Generating Non-English Synthetic Medical Data Sets • Swati Swati and Dunja Mladenić LLNewsBias: A Multilingual News Dataset for Lifelong Learning

	<ul style="list-style-type: none">• Mark David Longar, Erik Novak and Marko Grobelnik Creating Local World Models using LLMs• Mark David Longar, Jakob Fir and Bor Pangeršič Semantic video content search and recommendation• Filip Stavrov and Luka Stopar Continuous Planning of a Fleet of Shuttle Vans as Support for Dynamic Pricing• Khasa Gillani, Erik Novak, Klemen Kenda and Dunja Mladenić Knowledge graph Extraction from Textual data using LLM• Sandor Szabo and Bogdan Zavalnij Solving hard optimization problems of packing, covering, and tiling via clique search
--	--