

SLOVENIAN CONFERENCE ON ARTIFICIAL INTELLIGENCE

SLOVENSKA KONFERENCA O UMETNI INTELIGENCI

Thursday, 12th October 2023 / Četrtek, 12. oktober 2023

Great Lecture Hall / Velika predavalnica

Link for online attendance / Povezava za spletno udeležbo:

<https://zoom.us/j/98298951064>

(Does not apply to Data Science Meetup / Ne velja za Data Science Meetup)

11:30 – 13:00	Session B / Sekcija B Chair / Vodi: Marko Bohanec <ul style="list-style-type: none">• David Susič, Matjaž Gams Time-Series Cutmix Data Augmentation for Heart Sound Classification Using Neural Networks• Marcel Franse Martinšek, Junoš Lukan, Larissa Bolliger, Els Clays, Primož Šiško, Mitja Luštrek Social Interaction Prediction from Smart-Phone Sensor Data• Kitoshi Kawai, Gašper Slapničar, Hirose Akira, Mitja Luštrek Comparison of Advanced Processing Methods for PPG Denoising using a Novel Signal Quality Metric• Marko Jordan, Jakob Valič, Mitja Luštrek Machine-learning methods for analysis of gene expression data• Tilen Šket, David Susič, Candace Galen, Johannes Schul, Marina Arbetman, Victoria Campopiano Robinson, Cristian Alfonso Villagra Gil, Valentina Herrera, Anton Gradišek Identifying Bumblebee Buzzes Using Neural Networks• Oskar Rotar, Maks Žnidaršič, Tian Vesel, Darja Silan, Janko Božič Recognition of Bee Activity in the Hive Entrance Using Machine Vision and Other Methods
13:00 – 14:00	Lunch break / Odmor za kosilo

<p>14:00 – 15:30</p>	<p>Session C / Sekcija C</p> <p>Chair / Vodi: Aleksander Sadikov</p> <ul style="list-style-type: none"> • Keynote: Mykola Pechenizkiy Foundations of Trustworthy AI for the Real World <i>Trustworthy AI is broadly used as an umbrella term encompassing multiple aspects of machine learning-based solutions, notably including robustness, reliability, safety, security, scalability, and interpretability. Some of these aspects are of higher importance for adopting mostly autonomous solutions, others - for applications involving human-in-the-loop in decision making. In this talk, I aim to discuss several real world and foundational aspects of trustworthiness with respect to the challenges of frugal AI, explainable AI, and adversarial AI over evolving data.</i> • Matic Zadobovšek, Primož Kocuvan, Matjaž Gams Implementation of a Virtual Assistant ChatGPT into the Medical Platform • Žiga Kolar, Andrej A. Lukšič, Andrej Vozlič, Matjaž Gams Types of Democracy Defined: Keyword Extraction from Eleven Different Text Descriptions
<p>15:30 – 16:00</p>	<p>Break / Odmor</p>
<p>16:00 – 17:00</p>	<p>Session D / Sekcija D</p> <p>Chair / Vodi: David Susič</p> <ul style="list-style-type: none"> • Marko Bohanec, Marko Guček, Davor Kontić, Karina Sirk, Bernard Ženko, Martin Žnidaršič Evaluation of the Effects of On-demand Dynamic Transportation of Employees to Their Workplaces in Ljubljana • Ivan Antešič, Aleksander Sadikov Usability Test of a Modified WHCA* Algorithm for Multi-Agent Pathfinding in a Real-time Strategy Game • Andrejaana Andova, Aljoša Vodopija, Jordan Cork, Tea Tušar, Bogdan Filipič An Attempt at Predicting Algorithm Performance on Constrained Multiobjective Optimization Problems • Tea Tušar, Peter Korošec, Bogdan Filipič A Multi-Step Evaluation Process in Electric Motor Design

	Best paper award presentation / Podelitev nagrade za najboljši prispevek
17:00 – 17:15	Short break / Kratek odmor
17:15 – 18:15	<p>Data Science Meetup</p> <p>Lightning talk / Kratko predavanje</p> <ul style="list-style-type: none"> • Bogdan Filipič, Jožef Stefan Institute Managing applied (data science) projects in academia <p>Fireside chat / Okrogla miza</p> <ul style="list-style-type: none"> • Borut Olenik, Data Insights Director at Celtra Boštjan Kaluža, Chief Data Scientist at Evolgen Software Dejan Petelin, Co-founder of Pareto AI Jure Bordon, Director of Analytics at Login5 Foundation Luka Androjna, Data Science Team Lead at Outbrain Managing Data Science Projects and Teams
18:15 – 19:00	Discussion and refreshments / Pogovor in pogostitev