

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:

Pending / prihaja

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

<p>11:30 – 13:00</p>	<p>Session B / Sekcija B</p> <p>Chair / Vodi: ime in priimek</p> <ul style="list-style-type: none"> • David Susič and 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 and Mitja Luštrek Social Interaction Prediction from Smart-Phone Sensor Data • Kitoshi Kawai, Gašper Slapničar, Hirose Akira and Mitja Luštrek Comparison of Advanced Processing Methods for PPG Denoising using a Novel Signal Quality Metric • Marko Jordan, Jakob Valič and 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 and Anton Gradišek Identifying Bumblebee Buzzes Using Neural Networks • Oskar Rotar, Maks Žnidaršič, Tian Vesel, Darja Silan and Janko Božič Recognition of Bee Activity in the Hive Entrance Using Machine Vision and Other Methods
<p>13:00 – 14:00</p>	<p>Lunch break / Odmor za kosilo</p>

<p>14:00 – 15:30</p>	<p>Session C / Sekcija C</p> <p>Chair / Vodi: ime in priimek</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 and Matjaž Gams Implementation of a Virtual Assistant ChatGPT into the Medical Platform • Žiga Kolar, Andrej A. Lukšič, Andrej Vozlič and 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: ime in priimek</p> <ul style="list-style-type: none"> • Marko Bohanec, Marko Guček, Davor Kontić, Karina Sirk, Bernard Ženko and Martin Žnidaršič Evaluation of the Effects of On-demand Dynamic Transportation of Employees to Their Workplaces in Ljubljana • Ivan Antešić and 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 and Bogdan Filipič An Attempt at Predicting Algorithm Performance on Constrained Multiobjective Optimization Problems • Tea Tušar, Peter Korošec and 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	Data Science Meetup Lightning talks by experts from the industry / Kratka predavanja strokovnjakov iz industrije
18:15 – 19:00	Discussion and refreshments / Pogovor in pogostitev