

PROGRAM

the 27th International Conference
on Information Technology
„IVUS 2022“
May 12, 2022 online

9.00-9.30	Registration, technical checking*	
9.30-9.45	Opening (M. Briedienė, prof. dr. Tomas Krilavičius)*	
9.45-10.00	Invited speaker*	
	Session I	Session II
10.00-10.15	Paulina Hałatek, Katarzyna Wiltos and Mariusz Wróbel. Iris database - Effectiveness of selected classifiers.	Eglė Kankevičiūtė, Milita Songailaitė, Justina Mandravickaitė, Danguolė Kalinauskaitė and Tomas Krilavičius. A Comparison of Deep Learning Models for Hate Speech Detection.
10.15-10.30	Irakli Bacheleishvili, Giorgi Kapanadze and Avtandil Bardavelidze. Development a Software Quality Assessment Method.	Paulius Savickas, Dovilė Kuizinienė, Tomas Krilavičius, Mantas Bugarevičius and Žilvinas Kybartas. Can Merged Datasets Help in Training Money Laundering Detection Models?
10.30-10.45	Giedrius Stravinskas, Vytas Vadapolas, Arminas Pamakštis, Andrius Kriščiūnas and Ingrida Lagzdinytė-Budnikė. Building Height Prediction Using Neural Networks based on Sentinel Multi Spectral Images.	Antoni Jaszcz. Impact of augmentation techniques on the classification of medical images.
10.45-11.00	Michał Wieczorek and Natalia Wojtas. Custom Semantic Segmentation Neural Network Architecture in Spirochaete Detection Application.	Üzeyir Fidan and Musab Talha Akpınar. Simulation-Based Comparison of Objective Weighting Methods.
11.00-11.15	Gabrielė Kasputytė, Arnas Matusevičius and Tomas Krilavičius. Application of Machine Learning for Improving Contemporary ETA Forecasting.	Yusef Savid, Martin Masaba, Muruganantham Jaisankar and Damilola Akingbesote. Kaunas in the Context of Smart Cities Clusters Based on Sustainability Strategies.
11.15-11.30	Arminas Šidlauskas and Andrius Kriščiūnas. Pixel-based Forest classification of Sentinel-2 images using automatically generated datasets.	Monika Zdanavičiūtė, Rūta Juozaitienė and Tomas Krilavičius. Telecommunication Customer Churn Prediction Using Machine Learning Methods.
	Lunch break	
12.00-12.15	Mukhriddin Arabboev, Shohruh Begmatov, Khabibullo Nosirov, Jean Chamberlain Chedjou and Kyandoghene Kyamakya. Development of a Novel Method of Adaptive Image Interpolation for Image Resizing using Artificial Intelligence.	Ali Erbey and Necaattin Barışçı. Application-Based Spam Detection with Machine Learning Algorithms.
12.15-12.30	Milita Songailaitė and Tomas Krilavičius. Machine learning methods for content-based music recommendation systems.	Katarzyna Prokop. Grey wolf optimizer combined with k-nn algorithm for clustering problem.
12.30-12.45	Lukas Jokubauskas, Jevgenijus Toldinas and Borisas Lozinskis. Detecting Applications Vulnerabilities Using Remote Procedure Calls.	Antoni Jaszcz. VGG16-based approach for side-scan sonar image analysis.

12.45-13.00	Prasun Bhattacharjee, Rabin K. Jana and Somenath Bhattacharya. A Novel Artificial Intelligence Technique for Enhancing the Annual Profit of Wind Farm.	Vaidas Morkevičius, Vytautas Valentinavičius, Giedrius Žvaliauskas and Monika Briedienė. Using Parliamentary Corpora to Study Political Agenda: Attention to Human Rights in Lithuanian Parliament in 2020-2021.
13.00-13.15	Serge Dolgikh. Sparse Generative Representations of Handwritten Digits.	Zhengmao Ye, Radian Belu, Hang Yin and Habib Mohamadian. Time-Frequency Analysis of Automotive Engine Performance via Short-Time Fourier Transform.
13.15-13.30	Neha Jain and Neetu Singh. Training of AI based Tools: An impact study on Information, Digital, Visual and Data Literacy among Pupil Teachers.	Mcfadden Rowland, Radian Belu and Zhengmao Ye. Comparative Performance Analysis on Off-Grid Power Systems.
13.30-13.45	Closing (M. Briedienė, prof. dr. Tomas Krilavičius)*	
* these meetings will take place in the main conference room in MS Teams: shorturl.at/eqzG6		