## In-person session stream:

https://www.youtube.com/live/Nkxtjp7yMbY

Remote session stream:

https://www.youtube.com/live/Y7s7wqnTJ8I





## In-person Session, May 12th

08:30 -	Registration
09.00	Room 337, Studentų Str. 48a.
09:00 -	Conference Opening
09:15	Prof. dr. Audrius Lopata, Kaunas University of Technology, Faculty of Informatics
9:15 – 10:30	SESSION 1 Chaired by Prof. dr. Audrius Lopata, Kaunas University of Technology Special Session on Innovations in Information Technology Room 337, Studentų Str. 48a.
	Mixed-Type Data Augmentations for Environmental     Sound Classification
	Tadas Turskis, Marius Teleiša, Rūta Buckiūnaitė and Dalia Čalnerytė
	<ol> <li>Click Prediction Using Unsupervised Learning Methods         Vitalija Serapinaite, Ignas Suklinskas and Ingrida Lagzdinyte-Budnike     </li> </ol>
	Reinforcement Learning for Obstacle Avoidance     Application in Unity ML-Agents     Reza Mahmoudi and Armantas Ostreika
	<ol> <li>Fast Approximate Pathfinding Based on 2D Convolution         Marius Teleiša and Dalia Čalnerytė     </li> </ol>
	<ol> <li>Recursive Weighted 2-Means Split Algorithm for Under- Segmentation Reduction         Kornelija Magylaitė, Lukas Arlauskas and Karolis Ryselis     </li> </ol>
	Influence of Aerial Image Resolution on Vehicle     Detection Accuracy     Donata Gliaubičiūtė, Rokas Janavičius, Aušra Gadeikytė and
	Lukas Paulauskas  7. Epidemiological modeling based on coronavirus data  Monika Szymura, Martyna Horst and Anna Altmann

## Remote Session, May 12<sup>th</sup>

40.00	Outtoning Outping
10.00 –	Conference Opening
10.15	Assoc. prof. Daina Gudonienė, Kaunas University of Technology, Faculty of
	Informatics
10:15 –	Special Session on Artificial Intelligence (Part 1)
12:00	Chaired by Assoc. prof. Daina Gudonienė, Kaunas University of Technology
12.00	Remotely on Zoom
	Remotely on Zoom
	1. Mapped Supervised Learning
	Guillermo Hernández, Angélica González Arrieta, Pablo Chamoso
	and Juan Manuel Corchado
	2. Comparison of Neural Network Efficiency, Learning Process in
	Relation to Various Activation Functions
	Paulina Hałatek and Paweł Noras
	3. Koopaml: Application for Receiving and Processing DICOM
	Images.
	Rubén Fraile-Sanchón, Andrea Vázquez-Ingelmo, Alicia Gracía-
	· · · · · · · · · · · · · · · · · · ·
	Holgado and Francisco José García-Peñalvo
	4. Intelligent Medical Decision Making for Sepsis Detection
	Using Reinforcement Learning
	Lakshita Singh, Lakshay Kamra, Muskan Aggarwal, Anjana Gupta
	and H.C. Taneja
	5. The Impact of the Weighting Techniques on Multimoora-Based
	Ranking on Patients Using Ambiguous Medical Data
	Antoni Jaszcz
	6. Computer Vision-Based Multi-Class Classification of
	the contract of the contract o
	Garments Using a Three-Level Hierarchical Approach
	Asta Kvedaraitė, Neda Buinevičiūtė and Agne Paulauskaitė-
	Tarasevičienė
	7. Showcasing Sentiment Classification and Word Prediction in
	the Quantum Natural Processing Area
	<u> =                                   </u>
	David Peral García, Juan Cruz-Benito and Francisco José García
	Peñalvo
12:00 -	Chart break
12:15	Short break
12:15 –	Special Sessions on Artificial Intelligence (Part 2) and Cyber Security
14:00	Chaired by Assoc. prof. Daina Gudonienė, Kaunas University of Technology
14.00	
	Remotely on Zoom
	1. Fine-Tuning Language Models for Emotion Recognition in
	Lithuanian Texts Using Neural Machine Translation of Training
	Datasets
	Mindaugas Petkevičius and Daiva Vitkutė-Adžgauskienė
	2. Anomalous Water Use Detection Using Machine Learning
	Lukas Kulikovas and Šarūnas Packevičius
	3. Digital Signature Design Using Verkle Tree
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Maksim lavich and Tamari Kuchukhidze  4. Utilizing the "MouseJack" Vulnerability in Physical Assessments Maksim lavich and Sergei Simonov  5. Enhancing Cyber Intelligence Capabilities through Process Automation: Advantages and Opportunities Giorgi lashvili and Maksim lavich  6. High-Band Related Threats in 5G Network Giorgi Akhalaia and Maksim lavich  7. BERT-Based Models for Phishing Detection Milita Songailaitė, Eglė Kankevičiūtė, Bohdan Zhyhun and Justina Mandravickaitė  Lunch break  4:30  14:30 – 15:45  Special Session on Intelligent Systems and E-learning Solutions (Part 1) Chaired by Prof. dr. Audrius Lopata, Kaunas University of Technology Remotely on Zoom  1. An Exploratory Study of Techno-Pedagogical Skills and Happiness of Prospective Teachers in relation to Generative AI Neha Jain and Neetu Singh  2. Application of DFT Calculations in Designing Naphthalimide- π-Dimethylanilines Dalius Gudeika  3. Impact of Dark and Light Graphical User Interface Modes on System Usability: Preliminary Findings of an Experimental Study Mindaugas Vinciūnas and Kęstutis Kapočius  4. Streamlining Sub-aquatic ROV Fabrication through Mathematical Modeling, CAD and CFD Analysis for Enhanced Performance Silvio Javier Lázaro Cárdenas, Jose Luis Ordoñez-Avila and Alicia Maria Reyes Duke  5. Comparative Evaluaution of Deep Learning Architectures for Environment and Obstacle Recognition in Robotic Lawn Care Julius Šiaulys and Agné Paulauskaitè-Tarasevičienė	Tr.	
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Julius Šiaulys and Agnė Paulauskaitė-Tarasevičienė		
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15:45 – 16:00	Short break
16:00 – 17:00	Special Session on <i>Intelligent Systems and E-learning Solutions (Part 2)</i> Chaired by Prof. dr. Audrius Lopata, Kaunas University of Technology Remotely on Zoom
	A Framework for Microbusiness Density Forecasting     Eimantas Zaranka, Dmytro Klepachevskyi, Bohdan Krushelnytskyi     and Tomas Krilavičius
	Unpacking the Evaluation Proceeding of Clinical Decision     Support Systems: A Review of Methodological Approaches     and Categories  All Applies of Experience Leaf Complete Page No. 1
	Ali Azadi and Francisco José García-Peñalvo 3. Quality Control Process of Cocoa Beans Through Computer Vision: Concept Rodrigo Espinal, Jose Luis Ordoñez, Angie Carolina Santos
	Fernandez and Maria Elena Perdomo  4. Moderating Effect of Parental and Teacher Variables on the Resilience-Academic Performance Relationship in Spanish Adolescents  Valentín Redondo Blasco and Fernando Martínez Abad
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