

# Thursday, October 17<sup>th</sup>

**IMPORTANT: Please note that all presentation times are in local (VILNIUS) time**

09.00 – 09.30	<b>Registration</b> 2nd Floor, University Campus Library (Studentu 48, Kaunas)
09.30 – 10.00	<b>Opening Ceremony</b> Dr. Jonas Čeponis, Dean of Faculty of Informatics, Kaunas University of Technology. Prof. Kęstutis Baltakys, Vice-rector for Research, Kaunas University of Technology Prof. Dr. Audrius Lopata, Conference Chair, Faculty of Informatics, Kaunas University of Technology
10.00 – 11.00	KEY NOTE Prof. Ibrahim A. Hameed <i>Ethical AI in Elderly Care: Balancing Predictive Innovation with Privacy and Security</i>
11.00 – 11:30	Coffee Break
11:30-13:00	SESSION 1 Chaired by Prof. Dr. <i>Zbigniew Marszałek</i> <b>Software Engineering</b> Special Session on Intelligent Systems and Software Engineering Advances (Part 1) University Library <ol style="list-style-type: none"><li><b>Distributed Reaction Systems Viewed as Multi-agent Systems</b> Victor Mitrana and Mihaela Paun</li><li><b>Impact of Feature Standardization on Classification Process Using PCA and SVM Algorithms</b> Katarzyna Wiltos</li><li><b>Interactive bicycle route planning system using an efficient Dijkstra-based algorithm</b> Antoni Jaszcz, Szymon Hankus, Michał Bober and Bartosz Bugla</li><li><b>Fantastic fishes and how to classify them</b> Piotr Żerdziński</li></ol>
13:00 – 14:30	<b>Lunch</b> Restaurant “Profesorius” at Santaka Valley

14:30-15:30	<p>SESSION 2          Chaired by <b>Prof. Dr. Michal Wieczorek</b></p> <p><b>Software Engineering</b>          Special Session on Intelligent Systems and Software Engineering          Advances (Part 2)          University Library</p> <ol style="list-style-type: none"> <li>1. <b>Assessing the Performance of NMF and GMM in the Soft Classification of Kidney Stones: Insights from FTIR Data</b> Aistis Raudys, Aušra Šubonienė and Arūnas Želvys</li> <li>2. <b>GAN-CLAHE: Generative Adversarial Networks enhanced with CLAHE for image generation process</b> Tomasz Bury</li> <li>3. <b>The impact of different generators in Deep Convolutional GAN models on the quality of generated photos</b> Alicja Polowczyk and Agnieszka Polowczyk</li> <li>4. <b>Modeling the Intellectual Behavior of a Team of Robots Based on the Multi-Agent Simulation Model</b> Dzmitry Adzinets and Eugene Alooeff</li> </ol>
15:30-16:00	Coffee Break
16:00-17:30	<p>SESSION 3  <b>Cyber Security</b>          Chaired by Assoc. Prof. Dr. Šarūnas Grigaliūnas          Special Session Cyber Security</p> <ol style="list-style-type: none"> <li>1. <b>FinTech Security Challenges in Control of Digital Trustworthy Against Money Laundering</b> Sarunas Grigaliunas, Algimantas Venckauskas, Rasa Bruzgiene and Andrejs Romanovs</li> <li>2. <b>Comparative Analysis of Ensemble Learning and Deep Neural Network for Malware Detection: A Comprehensive Evaluation with Feature Optimization</b> Hajar Ouazza, Fadoua Khennou and Abderrahim Abdellaoui</li> <li>3. <b>Radio Hacking and Its Impact on Navigation Systems</b> Giorgi Tomadze, Ilia Lomidze, Mikheil Kurashvili, Giorgi Akhalaia and Vladimer Svanadze</li> <li>4. <b>A Neural Network Approach to Chess Cheat Detection</b> Maksim Iavich and Zura Kevanishvili</li> </ol>

# Friday, October 18<sup>th</sup>

09.00 – 09:30	<b>Registration</b> 2nd Floor, University Campus Library (Studentu 48, Kaunas)
9:30-10:30	<b>KEY NOTE</b> <b>Alessandro Guarino</b> <i>Cybersecurity for all?</i>
10:30 – 11:00	Coffee Break
11:00-12:30	SESSION 4 Chaired by Assoc. Prof. Dr. Audrius Lopata <b>Business Intelligence for Information and Software Systems</b> Special Session on Intelligent Methods for Data Analysis and Computer-Aided Software Engineering (Part 1) University Library <ol style="list-style-type: none"> <li>1. <b>Micro Turbine Power Generator With Microcontroller And IoT Based Monitoring System</b>                      Johnson Adegbenga Ajiboye, Mary Adebola Ajiboye, Kufre Idemetoi, Daniel Jesupamilerin Ajiboye, Henry Ohize and Rachael Nnagana Majin</li> <li>2. <b>Development of a Decision-Making Support System for Website Selection</b>                      Irakli Basheleishvili, Giorgi Kapanadze and Sergo Tsiramua</li> <li>3. <b>OTE: A Tool For Extracting Tabular Purchasing Order Information From PDF Documents</b>                      Michael Scholz and Jörg Bauer</li> <li>4. <b>Visualization and Interpretation of Mel-Frequency Cepstral Coefficients for UAV Drone Audio Data</b>                      Mia Yaqin Wang, Zhiwei Chu, Conner Entzminger, Yi Ding and Qian Zhang</li> <li>5. <b>Visualization Examples in Financial Process Mining</b>                      Ilona Veitaitė, Audrius Lopata and Saulius Gudas</li> </ol>
12.30 – 13:00	Coffee Break
13:00-14:30	SESSION 5 <b>Information Technology Applications</b> Special Session on Intelligent Methods for Data Analysis and Computer Aided Software Engineering (Part 2) Chaired by Assoc. Prof. Dr. Ilona Veitaitė University Library <ol style="list-style-type: none"> <li>1. <b>Risk Management Methodology in Agile Projects using Calculations based on Attributes</b>                      Adele Necionyte and Lina Bisikirskiene</li> <li>2. <b>Dating the Undated Manuscripts manually and automatically</b>                      Maksim Iavich and Maia Ninidze</li> </ol>

	<p><b>3. Analysis of Field-Edge System Latency in Transport Monitoring Environment</b> Aistis Raudys, Lukas Baltramaitis and Robert Mackevič</p> <p><b>4. Text Simplification for Lithuanian</b> Justina Mandravickaitė, Eglė Rimkienė, Danguolė Kotryna Kapkan and Danguolė Kalinauskaitė</p> <p><b>5. Constructing simulated party lists from voter preference lists for use in elections based on single transferable vote</b> Martynas Patašius</p>
14:30- 16:00	<b>Lunch</b> Restaurant “Profesorius” at Santaka Valley
16:00 – 17:30	Sessions
<p>SESSION 6  <b>Information Technology Applications</b>  Special Session on Smart e-Learning Technologies and Applications  Chaired by Assoc. Prof. Dr. Daina Gudonienė  University Campus Library</p> <p><b>1. A Case Study on Specific Delivery Issues in Hybrid Learning Implementation</b> Evelina Stanevičienė, Edvinas Zinkevičius, Francisco Javier Morales Luque and Maciej Dymacz</p> <p><b>2. Efficient Didactic Methods Used in Modern E-learning and Traditional Environments</b> Constantin Lucian Aldea, Delia Monica Duca Iliescu, Razvan Bocu and Anca Vasilescu</p> <p><b>3. A Case Study on Big Data Course Design and Implementation</b> Rita Butkienė, Daina Gudonienė, Evaldas Vaiciukynas, Lina Čeponienė, Vitor Jorge Ramos Rocio, Jochen Dickel and Sirje Virkus</p> <p><b>4. A Case on Artificial Intelligence Technologies Using for Tutoring and Achieving Learning Outcomes</b> Daina Gudonienė, Evelina Stanevičienė, Edgaras Dambrauskas, Justyna Janik, Yolanda E-Martín and Gerhard Fischerauer</p>	
17:30- 17:45	<b>Best Paper Awards and Closing the Conference</b> Awarded by Prof. Dr. Audrius Lopata University Library
18:00 – 20:00	Dinner