

THURSDAY, OCTOBER 16th

09:00 – 09:30	REGISTRATION <i>KTU Campus Library (Studentų st. 48)</i>
09:30 – 10:00	OPENING CEREMONY Dr. <i>Jonas Čeponis</i> , Dean of the Faculty of Informatics, Kaunas University of Technology Prof. <i>Kęstutis Baltakys</i> , Vice-Rector for Research, Kaunas University of Technology Prof. Dr. <i>Audrius Lopata</i> , Conference Chair, Faculty of Informatics, Kaunas University of Technology
10:00 – 12:00	KEYNOTES <i>Gionata Salvietti</i> , Dr. <i>Enhancing Human Capabilities: Haptic Interfaces and Sensorimotor Integration for Robotics</i> <i>Bilhanan Silverajan</i> , Dr. <i>Bridging Bytes and Bolts: Navigating the Regulatory Landscape of IT/OT Integration</i>
12:00 – 12:30	Coffee Break
12:30 – 13:30	SESSION 1 <i>KTU Campus Library</i> DATA ANALYSIS Special Session on <i>Intelligent Methods for Data Analysis and Computer Aided Software Engineering</i> Chaired by Doc. Dr. <i>Ilona Veitaitė</i> 1. <i>Novel Pinch Strategy Using Flexo/Extensor Tendons For A Robotic Scrub Nurse Gripper: A Preliminary Study</i> <i>Manish Shukla, Domenico Prattichizzo and Gionata Salvietti</i> 2. <i>A Case Study of Detecting Nutrient Deficiencies in Corn Using Multispectral Satellite Imagery</i> <i>Gintautas Šedys, Mantas Lukoševičius, Ernestas Petrauskas, Artūras Gotceitas, Ernestas Zaleckas and Martynas Greičius</i> 3. <i>Suspicious Model Detection to Improve Model-Based System Development</i> <i>Marwareed Rehman, Muhammad Waseem Anwar, Farooque Azam and Saliha Ejaz</i>

	4. Model-Driven Framework for Embedded Systems Design Automation using Natural Language Processing and Large Language Models <i>Muhammad Waseem Anwar, Bilal Maqbool and Muhammad Shahroze Ali</i>
13:30 – 14:30	Lunch
14:30 – 16:00	SESSIONS <i>KTU Campus Library</i>
SESSION 2 (part 1)	SOFTWARE ENGINEERING Special Session on Intelligent Systems and Software Engineering Advances Chaired by Prof. Dr. Marcin Wozniak 1. Emotional Speech Synthesis Approach Using Prosody-Based Clustering <i>Arnas Radzevičius, Žygimantas Girdauskas, Rokas Sabaitis and Aistis Raudys</i> 2. Taxonomic Classification of Gene Sequences Using Deep Learning <i>Anna Zakharenko, Yuri Gordienko and Olga Rusanova</i> 3. Improving the Performance of the Ada-DF Framework on Regular and Small Datasets <i>Valentyna Starodub, Armantas Ostreika, Marius Pivoras, Leo Onyema Sochi Muoghara, Philip Sowah Patterson and Gulshan Tarverdiyeva</i> 4. Deep Generative Models as the Probability Transformation Functions <i>Vitalii Bondar, Vira Babenko, Roman Trembovetskyi, Yurii Korobeinyk and Viktoriya Dzyuba</i> 5. Modern AI Methods Comparison for HeLa Cell Segmentation <i>Lukas Keršys, Andrius Kriščiūnas and Tadas Kraujalis</i> 6. Optimizing SQL-on-Hadoop Engines for Scalable Data Analytics: A Hybrid Approach to Resource Allocation and Performance Tuning <i>Sadanand Sundaray</i>
16:00 – 16:15	Coffee Break

16:15 – 18:00	SESSIONS <i>KTU Campus Library</i>
SESSION 2 (part 2)	SOFTWARE ENGINEERING Special Session on <i>Intelligent Systems and Software Engineering Advances</i> Chaired by Dr. <i>Filippo Sanfilippo</i> 1. <i>Optimizing Echo-State Networks for Unemployment Forecasting Using a Modified Metaheuristic</i> <i>Aleksandar Petrovic, Luka Jovanovic, Tamara Zivkovic, Miodrag Zivkovic, Lepa Babic, Stefan Ivanovic, Mirjana Tomic and Nebojsa Bacanin</i> 2. <i>Impact of Smaller Datasets on Training and Fine-Tuning for Novel View Synthesis and 3D Reconstruction</i> <i>Arminas Šidlauskas and Andrius Kriščiūnas</i> 3. <i>Comparison of a Metaheuristic Algorithm and Enhanced Hybrid Algorithms for Inverse Problem in Computed Tomography</i> <i>Jakub Miarka, Mateusz Goik, Rafał Brociek, Mariusz Pleszczyński and Andrzej Sikora</i> 4. <i>Dynamic Injection of LoRA Adapters via Prompt Semantics for Modular Stylization in Diffusion Models</i> <i>Alicja Polowczyk and Agnieszka Polowczyk</i> 5. <i>Investigation of Provable Data Possession Method for Virtual Machine File System</i> <i>Dangis Rimkus, Vytautas Barauskas, Darius Naujokaitis, Kęstutis Paulikas and Aušra Gadeikytė</i> 6. <i>A Descent-Ascent Principle Based Heuristic Algorithm for the Quadratic Assignment Problem</i> <i>Alfonsas Misevičius, Dovilė Verenė and Gintarė Žekienė</i> 7. <i>Enhancing Artificial Bee Colony Performance with Nelder-Mead Method</i> <i>Jakub Miarka, Mateusz Goik, Rafał Brociek and Adam Zielionka</i>

FRIDAY, OCTOBER 17th

09:00 – 09:30	REGISTRATION <i>KTU Campus Library (Studentų st. 48)</i>
09:30 – 10:30	KEYNOTE Serafeim Moustakidis, Dr. <i>Bringing Biomechanics into the AI Era: A New Frontier for Gait and Joint Health</i>
10:30 – 11:00	Coffee Break
11:00 – 12:00	SESSION 3 KTU Campus Library E-LEARNING Special Session on E-Learning Methods and Technologies Chaired by Prof. Dr. Cengiz Hakan Aydin 1. Artificial Intelligence and Inclusive Education: What is the Teacher's Vision for the Future? <i>Laura Daniusevičiūtė-Brazaitė, Lina Gaižiūnienė and Raminta Pučetaitė</i> 2. An Interdisciplinary Approach to Tackling the Field of Human Factors in the Cybersecurity of Financial Organizations: Concepts, Strategies & Recommendations <i>Eva-Maria Griesbacher, Martin Griesbacher, Paul Rabel and Robin Renwick</i> 3. The Practices of Applying Artificial Intelligence in Engineering Education <i>Daina Gudonienė, Donatas Iliška, Gintaras Palubeckis, Donata Šermukšnė, Pijus Balčius, Justyna Janik, Bożena Majerek and Yolanda E-Martín</i> 4. Virtual Reality for Truck Driver Training <i>Eglė Butkevičiūtė, Lukas Paulauskas, Mantas Lukoševičius, Mikas Binkis and Mindaugas Vasiljevas</i>
12:00 – 12:15	Coffee Break

12:15 – 13:15	SESSION 4 <i>KTU Campus Library</i> INFORMATION SYSTEMS Special Session on <i>E-Health Information Systems</i> Chairs: Prof. <i>Olga Riklikienė</i> (Chair), Prof. <i>Rima Kregždytė</i> (Co-chair) and Prof. <i>Povilas Ignatavičius</i> (Co-chair) 1. <i>Detecting Stressful Driving Situations of Drivers Using Wearable PPG Sensors: A Case Study</i> <i>Eglė Butkevičiūtė, Tomas Blažauskas, Mindaugas Vasiljevas, Mantas Lukoševičius, Mikas Binkis, Benas Ranauskas, Dominykas Barisas and Lukas Paulauskas</i> 2. <i>Virtual Reality During Wound Dressing Changes and Injections Among Children in Community Nursing: Implementation in Practice</i> <i>Lina Spirgienė and Evelina Stančaitytė</i> 3. <i>Application of Information Technologies in Healthcare Education, Research and Practice: Lithuanian Case</i> <i>Evelina Alūzaitė, Patrikas Armalis, Eglė Butkevičiūtė, Povilas Ignatavičius, Rima Kregždytė, Kristina Mikkonen, Lina Spirgienė, Andrėjus Subočius, Jūratė Tomkevičiūtė and Olga Riklikienė</i> 4. <i>Structuring Immersion Levels in the Reality–Virtuality Continuum: A Multi-Sensory Approach</i> <i>Filippo Sanfilippo, Patrikas Armalis, Ugnė Auksoraitytė and Tomas Blažauskas</i>
13:15 – 14:45	Lunch
14:45 – 16:00	SESSIONS <i>KTU Campus Library</i>
SESSION 5 (part 1)	CYBER SECURITY Special Session on <i>Cyber Security</i> Chaired by Prof. Dr. <i>Šarūnas Grigaliūnas</i> 1. <i>A Quantitative Security Framework for Evaluating Cyber Resilience and Energy Efficiency of IoT MQTT Protocol</i> <i>Edgaras Baranauskas, Šarūnas Grigaliūnas and Rasa Brūzgienė</i> 2. <i>Data Protection Standards in the Quantum Era</i> <i>Maksim Iavich and Oksana Kovalchuk</i>

	3. KG-AndroidDefender: Knowledge Graph Embedding for Explainable Malware Family Classification <i>Chen Yi, Junping Zhou, Fangbing Yue and Guoai Xu</i> 4. A Privacy and Security Focused System for Customer Data Management in E-Commerce <i>Linas Ablonskis, Rimantas Butleris, Audrius Lopata, Giedrius Sirevičius, Simonas Stepanovas and Mindaugas Vasiljevas</i> 5. Cybersecurity Certification Based Program, for Hardware Security Systems <i>Kyriaki Tsantikidou, Valeria Loscri and Nicolas Sklavos</i>
16:00 – 16:30	Coffee Break
16:30 – 17:45	SESSIONS KTU Campus Library
SESSION 5 (part 2)	CYBER SECURITY Special Session on Cyber Security Chaired by Dr. Jonas Čeponis 1. The Impact of Threats in Cyberspace on the Process of Internet Fragmentation <i>Vladimer Svanadze, Maksim Iavich and Giorgi Iashvili</i> 2. Deep Neural Network-Based Framework for Enhanced Malware Variant Detection <i>Wei Dai, Junping Zhou, Fangbing Yue and Guoai Xu</i> 3. Strengthening KPI Correlation Analysis with Machine Learning for Deeper Financial Insights <i>Ilona Veitaitė, Audrius Lopata and Saulius Gudas</i> 4. Comparative Analysis of Generative AI Model Efficiency in Chief Information Security Officer (CISO) Tasks <i>Ilona Veitaitė, Renata Danielienė, Kęstutis Driaunys, Martynas Bartnykas, Rokas Stankūnas, Ieva Šilingaitė and Dainora Kuliešienė</i> 5. Enhancing Static Code Analysis with AI-Assisted Detection of Security Vulnerabilities and Code Quality Issues <i>Augustinas Labutis, Jonas Čeponis, Šarūnas Grigaliūnas and Rasa Brūzgienė</i>

17:45 – 18:00	BEST PAPER AWARDS AND CLOSING THE CONFERENCE KTU <i>Campus Library</i> Awarded by Prof. Dr. Audrius Lopata
18:00 – 20:00	Dinner