

**The 2026 International Conference on Computational Intelligence, Information Technology
and Systems Research, June 22-24, 2026**

Tuesday, June 23, 2026 – Poster Session

Maciej Alencynowicz, Emilia Wójcik, Maria Skublewska-Paszkowska

LLM-Based Modeling of Dance Movement from 3D Motion Data for Automated Feedback Generation

Dominik Bartoszek, Zofia Borys, Maria Skublewska-Paszkowska

Analysis of Websites Generated Using Artificial Intelligence

Karol Chmielewski, Maria Skublewska-Paszkowska

People Re-identification Utilizing Machine Learning

Dominika Dobosz, Małgorzata Plechawska-Wójcik

Analysis of Query Optimization Possibilities in Selected Big Data Environments

Dawid Gruszecki, Jakub Jarosz, Małgorzata Charytanowicz

Predicting Football Match Results for Sparse Data

Piotr Hankiewicz, Krzysztof Dycha, Daniel Sawicki

Analysis of the Vulnerability and Effectiveness of Multi-Layer Security Methods in ICT Networks

Jakub Iskra, Krzysztof Dziedzic

A Comparative Analysis of User Privacy and Security Solutions in VR Social Apps

Jakub Jezior, Marcin Badurowicz

A Comparative Analysis of the Use of Large Language Models for UML Generation

Sara Jurczyk, Rafał Łopucki, Agnieszka Kuźniar

Computational Approaches to Microbiome and Microbiota Data Analysis Using NGS Technologies

Marcin Kamiński, Marcin Badurowicz

Analyzing the Utilization of Machine Learning Systems for the Recognition of User Behavior in VR Environments

Bartosz Kanadys, Bartosz Kozaczuk, Daniel Sawicki

Evaluating the Effectiveness of Security Protocols and Authentication Mechanisms in Corporate Wireless Networks

Bartosz Kędziorek, Piotr Muryjas

Efficiency Analysis of Query Optimizer Embedded in MS SQL Server and Query Optimizer Utilizing Machine Learning Techniques, Based on The Autosteer System

Tomasz Kobus, Jakub Kopacki, Marcin Barszcz

Evaluation of Locally Deployed Open-Source Language Models for Business Process Automation

Mateusz Kołtuniuk, Maciej Pańczyk

Comparative Performance Analysis of Docker and Podman Containers in Kubernetes-Based Web Application

Karol Kowalik, Karol Krawczyński, Paweł Powroźnik
Evaluation of Vehicle Feature Classification in Traffic Images Using Machine Learning Methods

Adam Krawczyk, Jakub Smołka
Vulnerability Analysis of Large Language Models (Gemma 4 and Mistral) to Jailbreak Attacks

Kacper Mirosław Królikowski, Sławomir Przyłucki
Multi-Criteria Comparative Analysis of WebAssembly Virtualization and Traditional Containerization Methods

Krystian Krukowski, Paweł Powroźnik
Multi-feature Comparison of Deep Neural Networks in Brain Tumor Identification

Karol Mac, Łukasz Gałka
A Comparative Analysis of Selected Characteristics of Java and Rust Based on Programs Implementing Equivalent Functionalities

Martyna Majkut, Paweł Powroźnik
Evaluating the Impact of JPEG Compression on Deepfake Detection

Mateusz Martyna, Mariusz Dzieńkowski
Comparative Analysis of Voice Command Interpretation Methods in Web Applications

Adam Mazur, Dawid Nowak, Konrad Gromaszek
Analysis of the effectiveness of defense methods against ransomware attacks in a test environment

Michał Migryt, Szymon Mikołajczuk, Marcin Barszcz, Krzysztof Dziedzic, Maria Skublewska-Paszkowska, Paweł Powroźnik, Sylwester Korga
Usability Evaluation of Virtual Reality Interfaces Using Eye-Tracking: A Case Study of a Cultural Heritage Museum

Marek Miłoś, Artem Zharkov, Maksim Rymasheuski
Comparative Analysis of Usability and Quality of Mobile Navigation Applications Using the MARS and IBM-CSUQ Methods

Patryk Pawelec, Maciej Pańczyk
Comparative Analysis of Virtual Private Networks (VPNs) with Automated Deployment in Virtualized Environments

Maciej Krzysztof Piasecki, Sławomir Przyłucki
Analysis of Security and Isolation Mechanisms in WebAssembly Compared with Established Sandboxing Approaches

Mateusz Pielak, Paweł Powroźnik
Analysis of the Effectiveness of Various Indexing and Semantic Search Strategies in Retrieval-Augmented Generation Systems for Academic Documentation

Jakub Podgórski, Jakub Posikata, Mariusz Dzieńkowski, Karolina Rybak, Karol Łazaruk, Piotr Tokarski, Małgorzata Plechawska-Wójcik
Multi-Method Usability Analysis of a Mobile Application for Students

Patryk Przybyś, Marcin Barszcz

A Comparative Analysis of Performance and Quality of Unity and Unreal Engine 5 Development Environments in the Context of Three-Dimensional Game Mechanics Implementation

Kamil Sadowski, Michał Reszka, Daniel Sawicki

CI/CD Pipeline Security: Automation, Vulnerability Detection, and Prevention

Rafał Seredowski, Adrian Sak vel Antoszak, Piotr Muryjas

Comparative Analysis of Machine Learning Models In Forecasting the Market Behavior of Financial Instruments

Hubert Sikora, Jakub Sikora, Daniel Sawicki

Analysis of Security Effectiveness and Ethical Testing of Vulnerability Detection in Wireless Networks

Bartosz Skowyra, Adrian Spryszak, Daniel Sawicki

Analysis of Targeted Attack Scenario Design and the Impact Of OSINT Profiling on Their Effectiveness

Patryk Sowa, Dawid Smarzak, Daniel Sawicki

Evaluation of the Effectiveness and Efficiency of Data Encryption Mechanisms in Selected Operating Systems

Adrian Szymczyk, Maria Skublewska-Paszkowska

From Black Box to Bedside: Explainable Deep Learning for Melanoma Detection Using Gradient-Weighted Class Activation Mapping

Jan Wierzchowski, Sylwester Korga

Analysis of the Efficiency of CNN Architectures in Hieroglyph Recognition with Data Augmentation Techniques

Jakub Wójcik, Sławomir Przyłucki

Classification and Effectiveness Analysis Of Methods Enhancing Deployment Security of IT Systems Using Iac Tools

Sylwia Zając, Daniel Sawicki

Analysis and Simulation of the Effectiveness of Defense Methods Against Selected Social Engineering Attacks



Poster Session:

Lublin University of Technology, Faculty of Electrical Engineering and Computer Science, Room Sii – E403B, Nadbystrzycka 38A.

Conference Website: <https://cs.pollub.pl/conferences/cits-2026/>