

Session Program

24 April 2025

Student IT/EE Workshop 2025

Session B (Poster)

Stara Kotłownia, SK 108
Warsaw University of Technology, Main Campus

Thursday 24 April

10:45

Session B (Poster)

Session | **Location:** Stara Kotłownia, SK 04/05, Warsaw University of Technology, Main Campus

10:45–11:15

Testy penetracyjne systemu zarządzania energią elektryczną OpenEMS — identyfikacja i mitygacja podatności w otwartoźródłowych systemach energetycznych

Speaker

Kacper Gorlowski

10:45–11:15

Proxy Methods in Image Recognition

Speakers

Barbara Borkowska, Marcin Maciąg

10:45–11:15

Comparing the Efficiency of Selected Reinforcement Learning Algorithms in Stability Control and Navigation Tasks

Speaker

Oskar Wyłucki

10:45–11:15

Automatic translation of Japanese manga using MultiModal Large Language Models

Speaker

Tomasz Nitsch

10:45–11:15

Exploring LLMs mathematical reasoning capability: Insights from GSM-Symbolic in English and Polish

Speakers

Marcin Łomiński, Michał Tomczyk

10:45–11:15

Ethereum price forecasting using deep neural networks

Speaker

Oskar Rozwadowski

10:45–11:15

A Lung Volume-Based Perfusion SPECT and CT Comparison Algorithm for Enhanced Pulmonary Embolism Diagnosis

Speakers

Mr Daniel Kisiel, Mr Eryk Muchorowski

10:45–11:15

Enhancing Large Language Models with Retrieval-Augmented Generation: A Case Study on Movie Data Beyond the Training Cutoff

Speaker

Marcel Mikołajczyk

10:45-11:15

Analysis and comparison of missing value imputation methods for atmospheric pollution data**Speaker**

Jakub Jasiński

10:45-11:15

Franky: An Intelligent Agent for Stock Portfolio Management Using Large Language Models and Deep Reinforcement Learning**Speakers**

Mateusz Bartosik, Mikołaj Zawada

10:45-11:15

Zastosowanie modeli GAN do usuwania artefaktów z sygnału EEG**Speaker**

Małgorzata Sokół

10:45-11:15

Verification of the authenticity of bullion coins with a mobile application based on frequency analysis using an artificial neural network**Speaker**

Tomasz Gryczka

10:45-11:15

Accelerating AI Inference in the Browser with WebGPU: Evaluating Quantization Trade-offs in Latency, Quality, and Memory Usage**Speakers**

Mr Ignacy Ruszpel, Mr Nikodem Wójcik

10:45-11:15

Evaluating detection methods of synthetic images**Speakers**

Mr Michał Wójtowicz, Michał Biliński

10:45-11:15

Comparative Analysis of Multi-Agent LLM Systems for Solving Polish Matura in Physics Exams**Speaker**

Piotr Wróbel

10:45-11:15

Examination of PCA Utilisation for Multilabel Classifier of Multispectral Images**Speakers**

Mr Bartosz Staszynski, Mr Filip Karpowicz, Wiktor Kępiński

10:45-11:15

Przewidywanie wstrząsów wtórnych przy pomocy Sieci Neuronowych.**Speaker**

Mikołaj Klębowski

10:45-11:15

Optimizing Football Betting Strategies Using Deep Neural Networks and Modern Portfolio Theory**Speakers**

Daniel Kuciński, Mr Tomasz Mycielski

10:45-11:15

Pose-Based Motion Analysis for Physical Exercise Quality Assessment**Speaker**

Wojciech Jakiela

10:45-11:15

Comparison of Models for Automatic Description of Medical Images**Speaker**

Mr Jakub Urbański

10:45-11:15

Comparative Analysis of Machine Learning and Statistical Models for Short-Term Energy Production Forecasting in Poland**Speaker**

Jakub Karpiński

10:45-11:15

Explainability of Convolutional Neural Network: Overview of Methods**Speaker**

Mr Magdalena Markowicz

10:45-11:15

Post-Quantum Cryptography: Benchmarking ML-KEM Against RSA**Speaker**

Nina Łabęcka

10:45-11:15

Evaluating unsupervised data mining methods to assess the utility of such approaches for SIEM event analysis.**Speaker**

Marcin Dydo

10:45-11:15

Enhancing Phishing Detection on Websites: A Hybrid Approach Combining Signature-Based Detection and Traditional Machine Learning Methods - Abstract**Speakers**

Jakub Romanek, Marcin Latawiec

11:15