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W GOSPODARCE I OCHRONIE ŚRODOWISKA

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**IIPhDW
2025** | International Interdisciplinary
PhD Workshop 2025

September 11-13, 2025
Lublin, Poland

International Interdisciplinary PhD Workshop 2025 & 4th Workshop – Innovative Technologies and Applications of Artificial Intelligence - the event was organised at the WSEI Academy in Lublin and took place on 11–13 September 2025. The programme included a plenary session, thematic sessions, a poster session and networking events. The official opening with an introductory lecture was led by Prof. Tomasz Rymarczyk.

The thematic scope of the event covered technical informatics, electrical engineering, sensor systems and artificial intelligence, with particular emphasis on process and medical tomography engineering, machine learning, cyber-physical systems, and industrial and medical applications. The conference was designed for doctoral students and the scientific community. The long-standing and international nature of the series, which in previous editions was hosted in Germany, the Czech Republic, Slovakia and Poland, was emphasised. The focus was on combining basic research with implementations in industrial and service areas.

During the event, emphasis was placed on strategic directions for the development of artificial intelligence technologies and their impact on innovation in industry and medicine. Attention was drawn to the complementarity of deterministic methods and machine learning, the importance of measurement quality, and the need to integrate solutions into closed-loop systems. An overview of trends and timelines in the development of language models was presented, as well as directions for practical implementations in the areas of tomography, automation, the Internet of Things, and agent systems.

The most important results and organisational conclusions were summarised by the scientific committee and the teams leading the sessions. The high substantive level of the presentations, the clear representation of projects with high implementation potential, and the need for further cooperation on reference data sets and the standardisation of metrics in the field of tomography and signal and image analysis were emphasised. The event was considered a success both scientifically and organisationally, and its format ensured a balance between the presentation of results and discussion of content key to the development of research and innovation.



4/2025

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We inform you that the article: Yesmakhanova L., Dzhanuzakova R., Myrkalykov B.: System software at laboratory stand "Lights control on the basis of programmable logic controller" (<http://doi.org/10.35784/iapgos.3217>) published in issue 4/2022 has been retracted due to a breach of ethical principles. The editorial board received a report that this work infringes on the copyrights of others. An investigation confirmed the validity of the report, resulting in the decision to retract the work. The evidence in the case is in the possession of the editorial board. The editorial board of the journal also declares that it has followed all procedures for checking the article for unethical practices before its publication in 2022.

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