**ExplAI-2025 – Metadata Table**

| Id | Title | Authors | D.S./ PhD | Affiliation | DBLP without CEUR | Decision |
| --- | --- | --- | --- | --- | --- | --- |
| 2 | AutoML PyCaret and SHAP Explainable AI for ECG Signal Classification Based on Amplitude Variability | Dmytro Tymoshchuk | – | Ternopil Ivan Puluj National Technical University, Ruska 56, Ternopil, 46001, Ukraine | 7 |  |
|  |  | Iryna Didych | – | Ternopil Ivan Puluj National Technical University, Ruska 56, Ternopil, 46001, Ukraine | 2 |  |
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|  |  | Lyubomyr Mosiy | - | Ternopil Ivan Puluj National Technical University, Ruska 56, Ternopil, 46001, Ukraine | 0 |  |
|  |  | Yuri Palianytsia | PhD | Ternopil Ivan Puluj National Technical University, Ruska 56, Ternopil, 46001, Ukraine | 0 |  |
| 3 | Explainable Artificial Intelligence Foundations for Web‑Based Sea Ice Extent Forecasting System | Tetiana Hovorushchenko | D.S. | Khmelnytskyi National University, 11, Institutes str., Khmelnytskyi, 29016, Ukraine | 35 |  |
|  |  | Olga Pavlova | PhD | Khmelnytskyi National University, 11, Institutes str., Khmelnytskyi, 29016, Ukraine | 12 |  |
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|  |  | Oleg Voichur | - | Khmelnytskyi National University, 11, Institutes str., Khmelnytskyi, 29016, Ukraine | 0 |  |
|  |  | Valeriia Shvaiko | - | Khmelnytskyi National University, 11, Institutes str., Khmelnytskyi, 29016, Ukraine | 0 |  |
| 4 | An Explainable Artificial Intelligence Approach for Detecting Network Attacks | Dmytro Tymoshchuk | – | Ternopil Ivan Puluj National Technical University, Ruska 56, Ternopil, 46001, Ukraine | 7 |  |
|  |  | Andriy Sverstiuk | D.S. | I. Horbachevsky Ternopil National Medical University, Maidan Voli 1, Ternopil, 46002, Ukraine | 5 |  |
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|  |  | Vira Titova | PhD | Khmelnytskyi National University, 11, Institutes str., Khmelnytskyi, 29016, Ukraine | 1 |  |
| 5 | Detection of intestinal thrombosis using a hybrid method based on genetic algorithm and grey wolf optimisation | Victoria Vysotska | D.S. | Lviv Polytechnic National University, Lviv, S. Bandery str. 12, 79000, Ukraine; Osnabrück University, Osnabrück, 49076, Germany | 105 |  |
|  |  | Dmytro Uhryn | D.S. | Yuriy Fedkovych Chernivtsi National University, Chernivtsi, 58012, Ukraine | 1 |  |
|  |  | Yuriy Ushenko | D.S. | Yuriy Fedkovych Chernivtsi National University, Chernivtsi, 58012, Ukraine | 1 |  |
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|  |  | Oleh Pastukh | D.S. | Ternopil Ivan Puluj National Technical University, Ternopil, 46025, Ukraine | 0 |  |
| 6 | Evaluating Bias and Consistency in Large Language Models (LLMs): A Metric‑Based Framework for Responsible AI Interaction | Varsha Supreeth | - | Monta Vista High School, Cupertino, California, USA | – | rejected |
| 7 | An Approach to Matching Satellite and UAV Images for Visual Place Recognition Using Color Normalization and YOLO | Volodymyr Vozniak | - | Khmelnytskyi National University, 11, Instytutska str., Khmelnytskyi, 29016, Ukraine | – |  |
| 8 | CNNs are Explainable Domain‑Specific Visual Embedders | Zakhar Ostrovsky | - | Khmelnytskyi National University, 11, Institutes str., Khmelnytskyi, 29016, Ukraine | 0 |  |
| 9 | Hierarchical neural network model for identifying similar objects in drone images | Dmytro Borovyk | - | Khmelnytskyi National University, 11, Institutes str., Khmelnytskyi, 29016, Ukraine | 0 |  |
| 10 | TFB-Net: A Texture-Aware Few-Shot Bayesian Framework for Interpretable Malware Classification on MalNet | Yogendra Chhetri | - | IEEE | - |  |
| 11 | H-MSBNet: A Hierarchical Multi-Scale Bayesian Network for Uncertainty-Aware Land Cover Segmentation in Aerial Imagery | Yogendra Chhetri | - | IEEE | - |  |
| 12 | LWSA-ResNet: Layer-Wise Stacked Attention with Feature Reweighting for Robust IoT Botnet and Anomaly Detection | Yogendra Chhetri | - | IEEE | - |  |
| 13 | A method for synthesising system architecture for IT infrastructure resistant to social engineering attacks | Sergii Lysenko | - | Khmelnytskyi National University | - |  |
| 14 | Neural Network Detection of Digital Fatigue and Burnout with Interpretable Thematic Segmentation | Olexander Mazurets | - | Khmelnytskyi National University | - |  |
|  |  | Roman Vit | - | Khmelnytskyi National University | - |  |
|  |  | Maryna Molchanova | - | Khmelnytskyi National University | - |  |
|  |  | Olena Sobko | - | Khmelnytskyi National University | - |  |
| 15 | Vision Transformers Transfer Learning for Smoking Detection in Public Spaces with Transparent AI Decisions | Olexander Mazurets | - | Khmelnytskyi National University | - |  |
|  |  | Maryna Molchanova | - | Khmelnytskyi National University | - |  |
|  |  | Olha Zalutska | - | Khmelnytskyi National University | - |  |
|  |  | Ihor Kok | - | Khmelnytskyi National University | - |  |
| 16 | Verifiable by Construction: Evidence-Anchored LLMs for Explainable Fake News Detection | Andrii Shupta | - | Khmelnytskyi National University | - |  |
|  |  | Pavlo Radiuk | - | Khmelnytskyi National University | - |  |
| 17 | An Approach to Identifying Functional and Non-Functional Requirements in IT-Project Management using Deep Learning Models | Ruslan Bahrii | - | Khmelnytskyi National University | - |  |
|  |  | Tetiana Skrypnyk | - | Khmelnytskyi National University | - |  |
|  |  | Bohdan Romanov | - | Khmelnytskyi National University | - |  |
| 18 | Linear ensemble model with winner-takes-all aggregation strategy for improved small data classification | Ivan Izonin | - | Lviv Polytechnic National University; University College London | - |  |
|  |  | Roman Tkachenko | - | Lviv Polytechnic National University | - |  |
|  |  | Serhii Chesanov | - | Lviv Polytechnic National University | - |  |
|  |  | Yaroslav Tolstyak | - | Lviv National Medical University named after Danylo Halytskyi | - |  |
|  |  | Myroslav Stupnytskyi | - | Military Medical Clinical Center of the Western Region | - |  |
| 19 | A Benchmark Methodology for Urban Traffic Pattern Clustering Using SUMO-Based Expert-Verified Ground Truth | Eduard Manziuk | - | KhNU | - |  |
|  |  | Vitaliy Pavlyshyn | - | KhNU | - |  |
|  |  | Matteo Baldoni | - | UT | - |  |
| 20 | Knowledge engineering information technology for cultural-educational scenarios based on RAG | Khrystyna Lipianina-Honcharenko | - | West Ukrainian National University | - |  |
|  |  | Nazar Melnyk | - | West Ukrainian National University | - |  |
|  |  | Myroslav Komar | - | West Ukrainian National University | - |  |
|  |  | Pavlo Bykovyy | - | West Ukrainian National University | - |  |
|  |  | Khrystyna Yurkiv | - | West Ukrainian National University | - |  |
| 21 | Research on the impact of digitalization of the economy on the country’s competitiveness level | Tetiana Yasinska | - | Lviv Polytechnic National University | - |  |
|  |  | Ihor Oleksiv | - | University of London, Institute of Management Studies | - |  |
|  |  | Liubomyr Vankovych | - | Lviv Polytechnic National University | - |  |