

	Time	Monday, 20.04			
REGISTRATION	9:00 - 16:45	REGISTRATION Faculty of Computer Science - D17 AGH University of Krakow			
	9:00-10:00 60"	WELCOME COFFEE/NETWORKING Atrium - D17 AGH University of Krakow			
	10:00-10:30 30"	OPENING CEREMONY Atrium - D17 AGH University of Krakow			
	10:30-11:30 60"	KEYNOTE SPEAKER: PROF. MARCO DORIGO Room 1.38			
	11:30-11:45	COFFEE BREAK Atrium - D17 AGH University of Krakow			
	11:45-13:30 105'		ORAL 1	ORAL 2	ORAL 3
			Uncertainty in Artificial Intelligence Decision-Making and Classification in Complex Systems Chairs: M. Przybyła-Kasperek, D. Ślęzak, B. Zielosko	Problem Solving and Optimisation Interdisciplinary Topics in Artificial Intelligence Chairs: S. Łukasik, J. Wąs	Robotics and Autonomous Systems Knowledge Engineering Chairs: P. Skrzypczynski, P. Lipiński, D. Król
			A Rough Set Framework for Evaluating Consensus and Stability in LLM Analysis of ESG Reports, Adam Wasilewski (Wrocław University of Science and Technology)	Genetic Algorithm-Based Optimization of DMC Controller in Thermal-Fluid Flow Processes Gabriel Małanowski; Tomasz Kłopot (Silesian University of Technology)	A Deterministic Grid Formation Strategy for Multi-Robot Systems as a Baseline for Learning-Based Approaches Paweł Skruch; Justyna Krok (AGH University of Krakow)
			The Probabilistic Foundations of Asymmetric Interval Numbers, Wojciech Sałabun; Andrii Shekhovtsov (National Institute of Telecommunications)	Anarchy in the swarm: Testing informed and uninformed diversity-enhancing mechanisms within PSO framework Piotr Urbańczyk (Jagiellonian University); Aleksandra Urbańczyk (AGH University of Krakow)	A Challenging City-Scale 3D LIDAR Dataset Acquired with a Hand-Held LIVOX MID360 System and a Study of AI-Based Loop Closure for SLAM Janusz Bedkowski (Polish Academy of Sciences)
			A Formal LLM-MCDA Architecture for Decision Support under Generative Uncertainty Andrii Shekhovtsov; Wojciech Sałabun (National Institute of Telecommunications)	Moral Responsibility and Trust in AI-Based Engineering Simulations: A Survey Study Tomasz Słuzalec; Daria Wojcik; Marcin Łoś; Anna Paszyńska; Maciej Paszyński (AGH University of Krakow)	Sound-Based Detection and EU Classification of Unmanned Aerial Vehicles Using Deep Neural Networks Weronika Wiechno; Jędrzej Mońko; Piotr Lipiński (Lodz University of Technology)
		Bayesian and Frequentist Approaches to Pay Equity Analysis Using Generalized Additive Models Mikołaj Kuna; Marcin Kowalczyk (Warsaw University of Technology)	LLM-Augmented Pedagogy: Enhancing Instructor Efficiency and Student Engagement via Automated Solution Summaries Mateusz Mazur; Sebastian Ernst (AGH University of Krakow)	A Comparative Evaluation of Geometric Accuracy in NeRF and Gaussian Splatting Mikołaj Zieliński; Erik Wykysały; Bartłomiej Blesiała; Jan Baturó; Mateusz Capala; Dominik Belter (Poznan University of Technology)	
		Reflection-Based Similarity Analysis of Dynamical-Regime Maps in Rosenzweig-MacArthur Consumer-Resource Model Anastasiya Hradouskaya; Przemysław Gawroński; Piotr Kowalski (AGH University of Krakow)	Static vs. Dynamic Transformer Pruning Under Matched Compute Budgets: When Does Adaptivity Help? Karolina Wadowska; Piotr Kowalski (AGH University of Krakow)	Multi-Instance Marked Petri Nets over Ontological Graphs Krzysztof Pancerz (The John Paul II Catholic University of Lublin); Maciej Stanisławski (Warsaw University of Technology)	
		Room 1.20	Room 1.38	Room 2.41	
13:30-14:15 45"	LUNCH BREAK Atrium - D17 AGH University of Krakow				
14:15-16:15 120"	PANEL 1 AI for Science Chair: Wodzisław Duch Panelists: Przemysław Kazienko, Jakub Nalepa, Piotr Sankowski, Bartosz Naskręcki Room 1.38				
16:15-16:45 30"	COFFEE BREAK Atrium - D17 AGH University of Krakow				
	POSTER SESSION 1 Computer Vision Robotics and Autonomous Systems				
	1 SpaRRT: A Synthetic Benchmark for Evaluating Spatial Intelligence in Visual Foundation Models	Turhan Can Kargin (Jagiellonian University)			
	2 Tailored Reasoning: Human-in-the-Loop for Consistent Prototypical-parts Networks	Taras Kulyk; Honorata Zych; Adam Wróbel; Andrea Bontempelli; Stefano Teso; Andrea Passerini (University of Trento); Bartosz Zieliński; Dawid Rymarczyk			
	3 Training Data Augmentation for Improving Face Recognition Quality in Real-World Conditions	Mikołaj Garbowski; Kacper Radzikowski (Rococo Poland); Robert Nowak (Warsaw University of Technology)			

16:45-17:30
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4	BaseAffect: Effective multihader model for Facial Expression Recognition	Richard Staszewicz; Przemyslaw Rokita (Warsaw University of Technology)
5	Toward Identity-Consistent Player Tracking in Soccer Video: Detector--Tracker Ablations with SAM2 Enhancements	Jakub Etchler; Krzysztof Dyczkowski; Tomasz Gorecki; Bartłomiej Grzelak (Adam Mickiewicz University)
6	3D Reconstruction from Single-View 2D Medical Images with Deep Learning Methods	Klaudia Ropel; Joanna Jaworek-Korjakowska (AGH University of Krakow)
7	Satellite Geo-Registration for GPS-Denied Navigation with a Satellite-Pretrained RoMa-Style Matcher	Maciej Krupka; Jan Węgrzynowski; Piotr Skrzypczyński (Poznan University of Technology)
8	Image segmentation by late fusion of RGB, IR and motion modalities	Karol Solyga; Artur Witkowski (Warsaw University of Technology)
9	IR image up-sampling with RGB guidance	Paulina Ogonowska; Artur Witkowski (Warsaw University of Technology)
10	Olympic Boxing Fight Video Dataset: A Synchronized Multi-Angle Resource for Action Recognition	Piotr Stefański; Jakub Nalepa (Silesian University of Technology); Jan Kozak (University of Economics in Katowice); Grzegorz Proška (Polish Boxing Federation); Tristan Matysiński; Michał Czaicki (Printbox); Joanna Jaworek-Korjakowska (AGH University of Krakow)
11	Simple Framework for Objective Image Quality Assessment	Sebastian Jankowski; Bartłomiej Moniak; Michał Czaicki (Printbox); Joanna Jaworek-Korjakowska (AGH University of Krakow)
12	Semantic Image Analysis and Context-Aware Photo Series Construction for Automated Photobook Generation	Sebastian Jankowski; Bartłomiej Moniak; Michał Czaicki (Printbox); Joanna Jaworek-Korjakowska (AGH University of Krakow)
13	Explainable feature-based gait recognition using 1D-CNN	Mikołaj Klimek (AGH University of Krakow)
14	System Architecture and Interoperable Communication Protocols for UAV-Sensor Integration in Smart Grids	Anna Jarosz (AGH University of Krakow)
15	Simulation of UAV Team Coordination in CoppeliaSim	Witold Kratczyk (Silesian University of Technology)
16	Autonomous minibus BB-1: selected simulation results	Tomasz Pacan; Piotr Przysłała; Witold Aksami; Witold Kratczyk; Krzysztof Suszka (BLEES LLC); Wawrzyniec Panfil (Silesian University of Technology)
17	Towards Dynamic Coordination Architectures for Multi-Robot Systems	Bartłomiej Mastje; Maksym Figat (Warsaw University of Technology)
18	Adaptive Locomotion Controller for Legged Robots	Bartłomiej Krajewski; Maksym Figat (Warsaw University of Technology)
19	Robotic Arm Station for Deep Reinforcement Learning Research and Development	Maciej Aleksandrowicz; Jakub Płachno; Antoni Radomski-Lasek (AGH University of Krakow)
20	Deep Reconstruction of Occluded Forest Environments for Traversability Mapping	Iman Esfandiari; Dominik Better (Poznan University of Technology)
21	SENIORAGENT: An Adaptive Multi-Agent Digital Assistant for the Support of Older People	Piotr Skrzypczyński; Stawomir Tobis (Poznan University of Medical Sciences); Joanna Piasek-Skupna (Poznan University of Technology)
22	Retrieval-Augmented and Chain-of-Thought Reasoning for Robotic Manipulation	Piotr Skrzypczyński; Kornelia Skorupinska; Mikołaj Zieliński; Dominik Better (Poznan University of Technology)
23	Motion Planning Diffusion: Learning and Adapting Robot Motion Planning With Diffusion Models	José Carvalho; An Thai Le; Piotr Kicki (Poznan University of Technology); Dorothea Koert; Jan Peters (Technische Universität Darmstadt)
24	3D Outdoor Object Navigation with Vision-Language Models	Adam Pardy; Dominik Matuszek; Mateusz Przebierecz; Marek Cygan (University of Warsaw); Bartosz Zieliński (Jagiellonian University); Maciej Wolczyk (IDEAS NCBR)
25	Spreading D* Lite Guidance for Hybrid MAPF in Dense Environments	Kamil Miodzikowski; Dominik Better (Poznan University of Technology)
26	CNN-Based Acoustic Map Generation for Sound Source Localization	Jędrzej Mońko; Maciej Miazek (Lodz University of Technology)
27	Comparative Analysis of Beamforming Algorithms for Broadband Acoustic Signal Source Localization	Jędrzej Mońko; Bartosz Żak (Lodz University of Technology)
28	Evaluation of Physics-Informed Neural Approaches for Aerodynamic Modeling of Fixed-Wing Aircraft	Jan Węgrzynowski; Maciej Krupka; Grzegorz Czechmanowski; Piotr Kicki (Poznan University of Technology)
29	Multiple Broadband Sound Source Localization using GCC-PHAT and Hidden Markov Models	Kacper Błaszczak; Bartłomiej Stasiak (Lodz University of Technology)
30	Multi-Frequency Koopman Phase-Amplitude Decomposition for Flapping Flight	Joanna Piasek-Skupna (Poznan University of Technology)
31	Formal verification and conformal prediction for spacecraft telemetry anomaly detection	Krzysztof Kotowski; Ramez Shendy; Bartosz Grabowski; Jakub Nalepa (K-P Labs); Riccardo Galloni; Edoardo Caroselli (Airbus); Sebastian Gerchunowicz; Mouchine Mendil (IRT Saint Exupéry); Dario Guidotti (University of Sassari); Stefano Demarchi (University of Genoa); Luis Mansilla (European Space Technology Centre)
32	Adaptive High-Speed Flight for Search and Rescue Drones via Recurrent Reinforcement Learning	Grzegorz Czechmanowski; Jan Węgrzynowski; Maciej Krupka; Piotr Kicki (Poznan University of Technology)
33	Real-Time Detection of Moving Aerial Targets from a UAV-Mounted Camera Using CUDA-Accelerated Homography-Based Motion Compensation	Piotr Rosiak; Leszek Podgórkowski (Lodz University of Technology)
34	Visual Odometry and Navigation of Autonomous Objects Based on Thermal Imaging in Limited Visibility Conditions	Marcin Leptawy (Lodz University of Technology)

Room 1.19

17:30-17:45

COFFEE BREAK
Atrium - D17 AGH University of Krakow

17:45-18:30
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POSTER SESSION 2 Uncertainty in Artificial Intelligence Generative Artificial Intelligence Decision-Making and Classification in Complex Systems Artificial Intelligence in Bioinformatics		
1	Persistent Bias in Large Language Model Research	Jakub Walczak (Lodz University of Technology)
2	Less is More: Greedy Algorithms for Rule Length Minimization	Kamil Jablonski; Beata Zielosko (University of Silesia in Katowice); Azimkhon Ostono; Mikhail Moshkov (King Abdullah University of Science and Technology)
3	Inhibitory Rule Learning from Decision Trees	Anton Dmytrenko; Beata Zielosko (University of Silesia in Katowice); Azimkhon Ostono; Mikhail Moshkov (King Abdullah University of Science and Technology)
4	Law of Importation for Fuzzy Implications: Class-Dependent Characterizations and Implications for Hierarchical CRI	Michał Baczyński (University of Silesia in Katowice); József Dombi (University of Szeged)
5	Assessment of attribute significance in datasets using relational equation systems	Patrycja Czurko (University of Information Technology and Management in Rzeszów)
6	MUFLON - Matrix Utility for Fuzzy Logic Operations and Norms for tuple matrix data analysis	Jakub Kiryła; Zofia Matusiewicz (University of Information Technology and Management in Rzeszów)
7	LLM-Driven AutoML Based on Granulated Data Summaries	Dominik Świątek (University of Warsaw); Mateusz Wnuk (QEDEX)
8	Decoupling Reasoning from Execution: A Deterministic Runtime Architecture for Autonomous LLM Agents	Artur Huk (Independent Researcher)
9	SoftSAE: Dynamic Top-K Selection for Adaptive Sparse Autoencoders	Jakub Stępień; Przemyslaw Spurek; Jacek Tabor (Jagiellonian University)
10	Evaluating Multimodal Large Language Models in Zero-Shot AI-Generated Image Detection	Marek Lechowicz (AGH University of Krakow); Jacek Mańdziuk (PWAGH)
11	DIAMOND: Directed Inference for Artifact Mitigation in Flow Matching Models	Alicja Polowczyk; Agnieszka Polowczyk (Silesian University of Technology); Piotr Borycki; Joanna Waczyńska; Jacek Tabor; Przemyslaw Spurek (Jagiellonian University); IDEAS Research Institute
12	From Rhetoric to Runtime: The Capability-Constraint Framework for Deterministic AI Safety and Explainability	Courtney Robinson (Opole University of Technology)
13	RIS: Intersection-aware Ray-based Implicit Editable Scenes	Grzegorz Wilczyński; Mikołaj Zieliński; Krzysztof Byrski; Joanna Waczyńska; Dominik Better (Poznan University of Technology); Przemyslaw Spurek (Jagiellonian University)
14	Architecture Matters: Gender Disparities in Automated Image Moderation	Anna Zawadzka; Przemyslaw Glomb (Polish Academy of Sciences)
15	Beyond Text: Generation and Novel Evaluation Metrics for 2D UI Layouts in Low-Code Platforms	Jakub Kłosiński; Jagoda Janowska; Krzysztof Jassem (University of Adam Mickiewicz, Poznań)
16	TATRA: Training-Free Instance-Adaptive Prompting Through Rephrasing and Aggregation	Bartosz Dziuba; Kacper Kuchta; Paweł Batorski; Przemyslaw Spurek (Jagiellonian University); Paul Swoboda (Heinrich Heine Universität Düsseldorf)
17	Token-Efficient LLM Code Comprehension with Semantic Code Graphs	Bartosz Gacek; Jarosław Koldun; Bartosz Baliś; Bartosz Minch (AGH University of Krakow); Krzysztof Borowski (VirtusLab)
18	CLIPGaussian: Universal and Multimodal Style Transfer Based on Gaussian Splatting	Kornel Howil (IDEAS Research Institute); Joanna Waczyńska; Piotr Borycki (Jagiellonian University)

	19	GaNeR: Geometry-Aware Implicit Neural Representation for Image Editing	Rafat Tobiasz (Jagiellonian University)
	20	REBEL: Hidden Knowledge Recovery via Evolutionary-Based Evaluation Loop	Patryk Rybak (Jagiellonian University); Paweł Batorski; Paul Swoboda (Heinrich-Heine-Universität Düsseldorf); Przemysław Spurek (IDEAS NCBR)
	21	Absolute Cinema - Old Movies Restoration Using Spatio-Temporal Restoration Network	Daniel Borkowski; Dawid Glinkowski; Mikołaj Jastrzębski; Dawid Zieliński; Wojciech Kozłowski (Wrocław University of Science and Technology)
	22	Classifier-free Guidance with Adaptive Scaling	Dawid Małarz; Artur Kasymov; Maciej Zieba (Wrocław University of Technology); Jacek Tabor; Przemysław Spurek (Jagiellonian University)
	23	Hierarchical Trees for Dispersed Data	Benjamin Addo; Małgorzata Przybyła-Kasperek (University of Silesia in Katowice)
	24	Hybrid Decision Strategies as Trade-off Regulators in Operational AI Systems	Dawid Drabek; Agnieszka Nowak-Brzezińska (University of Silesia in Katowice)
	25	Hybrid, Optimized, and Spatially Adaptive Solar Irradiance Forecasting in Poland	Kacper Książek; Małgorzata Przybyła-Kasperek (University of Silesia in Katowice)
	26	Hybrid Metrics for Enhanced Evaluation of 3D Brain Tumor Segmentation	Agnieszka Wosiak (Lodz University of Technology)
	27	Toward Improved Biological Targeting through Explainable Prediction of Protein Adsorption on Nanoparticles	Agnieszka Wosiak; Agnieszka Stawik; Piotr Wosiak (Lodz University of Technology)
	28	Diverse Ensemble Coalitions for Conflict-Based Classification of Dispersed Data	Jakub Sacewicz; Małgorzata Przybyła-Kasperek (University of Silesia in Katowice)
	29	Comparative Analysis of Machine Learning Architecture Resilience to ETL Pipeline Failures in AML Compliance Systems	Michał Pikus (AGH University of Krakow); Agata Kozina; Mikołaj Pastucha (Wrocław University of Economics and Business)
	30	Tokenizing Workload Data for Transformer-Based Injury Risk Prediction in Professional Football	Aleksandra Sadurska (Adam Mickiewicz University, Poznan)
	31	A Dynamical Microscope for Multivariate Oscillatory Signals: Validating Regime Recovery on Shared Manifolds	Łukasz Furman; Włodzisław Duch (Nicolaus Copernicus University); Ludovico Minati (University of Electronic Science and Technology of China)
	32	Enhancing Chemical Explainability Through Counterfactual Masking	Łukasz Janisiów; Marek Kocharczyk; Bartosz Zieliński; Tomasz Danel (Jagiellonian University)
	33	Impact of Imagery Methods and Frequency Bandwidths on Motor Imagery Classification in Brain-Computer Interfaces	Łukasz Gapiński; Bartłomiej Stasiak; Adam Wojciechowski; Stanisław Zakrzewski (Lodz University of Technology)
	Room 1.19		
18:30-19:00 30"	KEYNOTE SPEAKER: DIR. MAREK MAGRYŚ Room 1.38		
19:00-19:45 45"	STRATEGIC SPONSOR PRESENTATION S. Łukasik NASK Room 1.38		
19:45-22:00 105"	WELCOME RECEPTION Atrium - D17 AGH University of Krakow		

Time	Tuesday, 21.04	
8:30-13:30	REGISTRATION Faculty of Computer Science - D17 AGH University of Krakow	
8:30-9:00 30"	WELCOME COFFEE/NETWORKING Atrium - D17 AGH University of Krakow	
9:00-10:00 60"	KEYNOTE SPEAKER: PROF. HOLGER H. HOOS Room 1.38	
	POSTER SESSION 3 Interdisciplinary Topics in Artificial Intelligence Data Mining and Machine learning	
	1	On The Forecasting-Driven Battery Operation Policy Scheduling Method For Hybrid Photovoltaic Systems Paweł Parczyk; Robert Burduk (Wrocław University of Science and Technology)
	2	Machine Learning enhanced MPPT strategies Mateusz Kocoń (AGH University of Krakow)
	3	Fuzzy Inference System for TinyML Dynamic Regressor Selection - Preliminary Research Tobiasz Puściecki (Wrocław University of Science and Technology)
	4	ML-Based Performance Prediction for Cloud-Edge Data Pipelines with Simulation-Generated Training Data Bartosz Baliś; Mikołaj Zasada; Piotr Kica; Michał Orzechowski (AGH University of Krakow)
	5	Application of foundational models to designing simulation experiments for robot navigation in unknown environments Andrzej Skulimowski; Arfa Hassan (AGH University of Krakow)

10:00-10:45
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6	Graph-Based Relationship and Cluster Modelling for Declarative Spatial Intelligence	Piotr Sokolowski; Sebastian Ernst (AGH University of Krakow)
7	Genetic Estimation of the Number of Sources for MAICA Using an Epsilon-Based Convergence Criterion	Paweł Górski; Izabela Rejer (West Pomeranian University of Technology in Szczecin)
8	Decoding the Boardroom: Integrating Large Language Model Sentiment with Market Conviction in Earnings Call Analysis	Bartosz Ziđko; Bartosz Szyma; Adam Niedziakowski (AGH University of Krakow)
9	The Limits of Explainable AI in Time-Critical Decision Systems	Wojciech Górecki (AGH University of Krakow)
10	Angry LLM: a step towards consciousness in Large Language Models?	Przemysław Głomb; Wilhelm Masarczyk (Medical University of Silesia); Przemysław Sekula; Michał Romaszewski; Anna Zawadzka (Polish Academy of Science)
11	Advancing the ALICE Experiment at CERN with Machine Learning	Emilia Majerz; Damian Pióciennik; Kacper Jurek; Jacek Otwinowski (Institute of Nuclear Physics PAS in Krakow); Witold Dzwinek; Adrian Horzyk; Jacek Kitowski
12	Exploiting LLM Output Diversity for Troubleshooting Scientific Data Infrastructure	Michał Orzechowski; Renata Słota; Jacek Kitowski (AGH University of Krakow)
13	A Comparative Study of Dimensionality Reduction Techniques for Vision Transformer Representations	Hamri Hamdika; Bogusław Cyganek (AGH University of Krakow)
14	Do SVMs Still Matter? A Comprehensive Benchmark of Categorical-Only Tabular Classification	Tomasz Bochnak; Karol Capata (AGH University of Krakow)
15	Automated Valuation Models with Large Language Models-Extracted Features: A case study for Tricity, Poland	Piotr Kłopotowski; Olgun Aydin (Gdansk University of Technology)
16	GrOD: A Novel Granular Outlier Detection Algorithm	Krzysztof Simiński; Konrad Wnuk (Silesian University of Technology)
17	An Explainable AI Perspective on Data Quality	Lukasz Golab (University of Waterloo); Jarek Szlichta (York University)
18	On Using Change Detection Models for Flood Extent Mapping	Bartosz Ciućka; Maciej Ziaja (Silesian University of Technology); Michał Wieczorek (KP Labs); Michał Kawulok
19	A DTW-path-guided interpolation framework for online signatures generation	Tomasz Orczyk; Rafał Doroz (University of Silesia)
20	Data-Driven Identification of Football Scouting Markets Using Machine Learning	Tymoteusz Juskowiak; Bartłomiej Grzelak (Adam Mickiewicz University, Poznań)
21	A Forest of Features: Diversity-Guided Analysis of LLM Capabilities	Michał Romaszewski; Przemysław Sekula (Polish Academy of Science)
22	Neural networks vs. similarity-based reasoning in large-scale short-term solar power forecasting	Grzegorz Dudek (Czestochowa University of Technology); Oliwia Klimczak (Lodz University)
23	LGBM-based framework for realized volatility forecasting in the Bitcoin market	Grzegorz Dudek; Mateusz Kasprzyk; Paweł Pełka (Czestochowa University of Technology)
24	Meta-Learning for Adaptive Job Runtime Prediction in the ALICE Computing Grid	Bartosz Baliś (AGH University of Krakow)
25	CPU Utilization Forecasting in Large-Scale Cloud Clusters Using Gradient Boosting	Nur Keleşođlu; Lukasz Sobczak; Joanna Domańska (Polish Academy of Sciences)
26	Four-Stream Network with Attention for Single-Image Face Anti-Spoofing	Rafał Klinowski; Mirosław Kordos (University of Bielsko-Biala)
27	Augmenting Small Medical Time-Series Datasets	Katarzyna Woźnica (Warsaw University of Technology); Katarzyna Kaczmarek-Majer (Polish Academy of Science)
28	Fuzzy Modelling of Football Playstyles from Event Data	Michał Zaręba (Adam Mickiewicz University, Poznań)
29	Label Poisoning Attacks via Class Similarity	Mateusz Wojtulewicz; Piotr Duda; Leszek Rutkowski (AGH University of Krakow)
30	Hybrid Fuzzy Convolutional Neural Network	Lukasz Apiecionek (Kazimierz Wielki University)
31	Machine Learning Pipelines for Motor Imagery-Based BCIs Using the Emotiv EPOC X: A Structured Analytical Review	Artur Gunia (Jagellonian University); Paulina Tarara (The Academy of Fine Arts and Design in Katowice)
32	Bayesian Dynamic Bradley-Terry-Davidson Modeling of Football Team Strengths	Tomasz Górecki; Julia Skrzypczak (Adam Mickiewicz University, Poznań)
33	Discovering Frequent Closed Embedded Sub-DAGs in Spatio-Temporal Event Data	Piotr Maciąg (Warsaw University of Technology)

Room 1.19

10:30-10:45

COFFEE BREAK
Atrium - D17 AGH University of Krakow

10:45-11:30
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POSTER SESSION 4 Neural Network and Deep Learning Systems Remote Sensing and Satellite Data Analysis Natural Language Processing, Automatic Speech Recognition, and Conversational AI Knowledge Engineering		
1	Exploring Promising Alternatives to Backpropagation for Training Neural Networks	Maciej Świechowski (Warsaw University of Technology)
2	Open-World Hazard Discovery in Consumer Products via Heterogeneous Graph Representation Learning	Bhavya Lahari Bommireddy (Microsoft)
3	Contrastive Graph Neural Networks for Learning Football Frame Embeddings	Jan Świątek; Tomasz Piłka; Tomasz Górecki (Adam Mickiewicz University, Poznań)
4	Neural Network-Based Estimation of Parameters in a First-Order Time-Varying Autoregressive Model	Agnieszka Kopeć (AGH University of Krakow)
5	Temporal vs Spatial Convolutions in CNN-based EEG Classification under Natural and Controlled Signal Structure	Izabela Gago (West Pomeranian University of Technology)
6	Domain Experts: A Domain-Based Approach to Expert Disentanglement in Mixture-of-Experts Large Language Models	Mikołaj Zasada; Michał Jamroz; Marcin Kurdziel (AGH University of Krakow)
7	Integrated AI-Based Approach for Detection of Abnormal Ship Trajectories	Oskar Desecki; Mirosław Wielgosz; Zbigniew Pietrzykowski; Janusz Uriasz (Maritime University of Szczecin)
8	Deep learning-based estimation of time-dependent parameters in Markov models	Martyna Wiącek (AGH University of Krakow)
9	Learning Regimes in Shallow Feedforward Networks Through Gradient-Loss Coupling	Maciej Kusy (Rzeszow University of Technology)
10	Static Outperforms Adaptive: Collocation Strategy vs. LR Scheduling in PINNs for 2D Plane Stress Elasticity	Marcin Dadura (AGH University of Krakow)
11	Edge Prediction in Dynamic Graphs: Enhancing Temporal GNNs through Structural Node Features	Michał Kobiera; Roman Wiatr (IDS); Renata Słota (AGH University of Krakow)
12	A Comparative Study of Federated Learning Strategies for Quality Prediction in High-Frequency Welding	Blanka Piekarz; Lukasz Rauch; Albert Zawada (AGH University of Krakow)
13	Handling Incomplete Pairwise Comparisons with Reference Data in Deep Learning Models	Konrad Kułakowski; Anna Kędzior; Jacek Szybowski (AGH University of Krakow); Jiri Mazurek (Silesian University)
14	Deep Representation Learning for Clustering and Anomaly Detection in Tabular Data	Marcin Szymański; Agnieszka Nowak-Brzezinska (University of Silesia)
15	Comparative Analysis of Deep Learning Architectures for Multivariate Time Series Forecasting in Energy Data	Wiktor Kowalski; Agata Kozina (Wroclaw University of Economics and Business)
16	Weir detection in multi-spectral remotely sensed images	Patryk Szczodrowski; Paweł Forczmański (West Pomeranian University of Technology in Szczecin)
17	Real-World Hyperspectral Image Super-Resolution via Panchromatic-Guided Training	Paweł Kowaleczko (Warsaw University of Technology); Michał Kawulok; Daniel Kostrzewa; Maciej Ziaja (Silesian University of Technology)
18	Auto Quantum Machine Learning for Multi-source Change Detection	Sebastian Dziura (AGH University of Krakow)
19	The Hidden Cost of Band Alignment: A GNN Approach to Sentinel-2 Super-Resolution	Tomasz Tarasiewicz; Michał Kawulok (Silesian University of Technology)
20	ClearSAR: The Challenge of Strengthening Sentinel-1 Processing Through Automated Radio Frequency Interference Detection	Jakub Nalepa (Silesian University of Technology); Krzysztof Kotowski; Bartosz Grabowski (KP Labs); Panče Panov; Tadej Tomanič; Alice Bauduin; Jan Sotošek (BV Labs); Kevin Halsall; James Harding (Telespazio UK); Leonardo De Laurentis; Roberto Del Prete; Gabriele Meoni (European Space Agency)
21	Adapting the TerraMind Foundation Model to Hyperspectral Soil Property Estimation	Jakub Sądził; Lukasz Tulczyjew; Andrzej Bartoszek (KP Labs); Nicolas Longépé (European Space Agency); Jakub Nalepa; Agata Wijata (Silesian University of Technology)
22	Evaluating Speech Emotion Recognition Classifiers Across Heterogeneous Datasets	Agnieszka Hamal; Rafał Gasz (Opole University of Technology)
23	Natural Language Processing Models for Robust Document Categorization	Radosław Roszczyk (Warsaw University of Technology)
24	Behavioral Consistency in LLM-Based Agents: A Culture Model	Heloisa Pessoa; Augusto Baffa; Luis Bicaitho (PUC-RIO)
25	Weak-to-Strong Steering as an Alignment Robustness Stress Test for Small Language Models	Maciej Majewski (AGH University of Krakow)

	26	Multi-Stage Adaptation of Large Language Models to the Medical Domain	Marek Jeliński (NASK-PIB)
	27	An ontology-driven communication system supporting the navigator in collision scenarios with autonomous ships using NLP.	Aleksander Wolak (Maritime University of Szczecin)
	28	Analysing out-of-distribution reasoning in LLMs with attribution graphs	Jan Kapala; Marcin Kurdziel; Michał Jamroz (AGH University of Krakow)
	29	External Semantic Memory as a Cognitive Layer for Large Language Models	Marzena Halama; Konrad Polys; Sławomir Nowak; Joanna Domańska (Polish Academy of Sciences)
	30	Class Balancing in Conflict-Aware Distributed Classification	Katarzyna Kusztal; Małgorzata Przybyła-Kasperek (University of Silesia in Katowice)
	31	Comparing Coalition-Formation Models in Conflict Analysis	Rafał Deja (WSB University); Małgorzata Przybyła-Kasperek (University of Silesia in Katowice)
	32	Challenges in Knowledge Retrieval for AI-Assisted Software Development	Norbert Fijatek; Ilona Bluemke; Piotr Gawrysiak (Warsaw University of Technology)
	33	Enhancing Scalability in Knowledge Graph Applications via Asynchronous Query Processing	Szymon Czajkowski; Martyna Stasiak; Maria Musiał; Lidia Wiśniewska; Jakub Dutkiewicz (Poznan University of Technology)
	34	On 5G Cell Performance Optimization through Model Interpretability	Jakub Mazgula; Dariusz Król (Wrocław University of Technology); Ireneusz Jabłoński (Fraunhofer Institute for Photonic Microsystems)
	35	Towards Autonomous FAIR Metadata Enrichment in the Computing Continuum Using LLMs	Adrianna Bodziony; Michał Orzechowski (Academic Computer Centre CYFRONET AGH); Renata Słota (AGH University of Krakow)
	Room 1.19		
11:15-11:30	COFFEE BREAK Atrium - D17 AGH University of Krakow		
11:30-13:30 120"	PANEL 2 Cybersecurity in the Age of AI Chair: Joanna Jaworek-Korjakowska Panelists: Jarosław Gracel, Sławomir Kumka, Tomasz Jaworski, Wojciech Wrzesień		
	Room 1.38		
13:30-14:15 45"	LUNCH BREAK Atrium - D17 AGH University of Krakow		
14:15-16:00 105"	ORAL 4	ORAL 5	ORAL 6
	Computer Vision Chairs: L. Chmielewski, B. Kwolek	Young AI Chair: T. Wesotowski, S. Kaźmierczak	Neural Network and Deep Learning Systems Natural Language Processing, Automatic Speech Recognition, and Conversational AI Chairs: P. Kowalski, M. Piasecki
	Automatic car description including type and license plate identification and recognition – comparative study of YOLOv11 and VLMs Maciej Szymkowski (Białystok University of Technology); Marcin Piechula (Staleport Autostrada Malopolska S.A)	The Waste Particles Spectroscopic Measurements Classification under the Continual Learning Regime Łukasz Wrześniowski; Bogdan Ruszczyk (Opole University of Technology)	Loss and Activation Functions in Complex-Valued Convolutional Neural Networks Michał Rutkowski; Piotr Kowalski (AGH University of Krakow)
	Diverse and Realistic Image Recolorization for Dataset Augmentation Andrzej Śliżek (Warsaw University of Life Sciences)	Improving MAPPO with Lightweight Hierarchical Communication in JAX-Accelerated Multi-Agent Environments Dragan Sosnowski; Piotr Duch (Łódź University of Technology)	The Cost of Efficiency: Analyzing Configuration Overhead and Throughput in vLLM vs. TRT-LLM Szymon Mazurek (AGH University of Krakow); Marek Kasztelnik; Mateusz Smolarczyk; Kacper Kozik (Academic Computer Centre CYFRONET AGH)
	Real-time Hand-Gesture Control of PTZ Cameras: A Modular Model-Detector-Controller (MDC) Architecture and a User Study Comparing Continuous vs. Activation-Based Detection Adam Nowosielski; Krzysztof Matecki; Bartłomiej Szewczyk (West Pomeranian University of Technology in Szczecin)	Hybrid Simulation Model for Managing Patient Flow in the Intensive Care Unit: A Queueing and Agent-Based Approach Joanna Wojnowska; Martyna Gaj; Antonina Wąsikowska; Filip Kamiński (AGH University of Krakow)	KAN Flat Match Deep: Kolmogorov-Arnold and Deep Networks Few-Shot Learning for Classification on Fashion-MNIST Artur Morys-Magiera; Marek Długosz; Paweł Skrucz (AGH University of Krakow)
	Improving Combined Full-Reference Quality Assessment of Grayscale Images Representing Reconstructed Satellite LiDAR Data Krzysztof Okarma; Mateusz Kopytek; Piotr Lech (West Pomeranian University of Technology in Szczecin); Vladimir Lukin; Oleg Lerner (National Aerospace University, Kharkiv); Andres Ramirez-Jaime; Gonzalo R. Arce (University of Delaware)	HyperLoRA: Hyper-Network-Generated LoRA Adapters for Calibrated Language Model Fine-Tuning Bartosz Trojan; Filip Gębala (Upper-Secondary Schools of Communications in Cracow)	Deep Differentiable Logic Gate Networks: Learning with Mirror Gates Chan Duong Nguy (Vistula University); Piotr Wasilewski (Polish Academy of Sciences)
	Comparative Analysis of Vision-Language Model Architectures for Image Captioning under Parameter-Efficient Fine-Tuning Gurjinder Singh (Wrocław University of Science and Technology)	Human-AI Interaction in a Novel Resource-Constrained Card Game: Evaluation of Reinforcement Learning and Large Language Model Agents Marta Kottowska; Maciej Jurczyk (AGH University of Krakow)	Can Moderate-Sized Language Models Imitate an Individual Academic Writing Style? Aleksandra Hinc; Jan Krajewski; Leszek Chmielewski; Arkadiusz Ortowski (Warsaw University of Life Sciences)
	Room 1.20	Room 1.38	Room 2.41
16:00-16:15	COFFEE BREAK Atrium - D17 AGH University of Krakow		
	POSTER SESSION 5 Young AI		
	1 Real-Time High-Resolution Gesture Recognition of Polish Sign Language	Magdalena Machacka; Anna Zatwarnicka (Opole University of Technology)	
	2 Comparative Analysis of Foundation Models and Wavelet-Enhanced Methods in Load Forecasting	Adam Brodziak; Piotr Lipiński; Krzysztof Lichy (Łódź University of Technology)	
	3 Detecting Apple Spoilage in RGB and Thermal Imagery	Anton Smolirski; Weronika Pawłowska (West Pomeranian University of Technology in Szczecin)	
	4 A Hybrid Approach for Synthetic Data Generation in Imbalanced Network Security Datasets	Mateusz Dampc; Ireneusz Czarnowski (Gdynia Maritime University)	
	5 Ethical and legal aspects of Aligned HUMANITY	Nikolas Feduniewicz; Kacper Boś; Anna Bryniarska (Opole University of Technology)	
	6 Grounds, shrouds and different lighting levels: where classical change detection fails	Martyna Zur; Karol Zięba; Anna Grygar; Jakub Jaromin; Bartosz Jankowski; Tymoteusz Pliach; Michał Kawulo; Michał Kozłowski (Silesian University of Technology)	
	7 Spiking Neural Networks for EEG-Based Psychiatric Classification	Agata Sobczyk (Silesian University of Technology)	
	8 Not in a Class of Its Own: A Data-driven Approach to LSIL Recognition in Cytology	Antonina Pater; Łukasz Roszkowski; Anna Korzyńska (Polish Academy of Science)	
	9 Simulation of Spatial and Spectral Changes in Satellite Imagery for Training Change Detection Models	Michał Wieczorek (Silesian University of Technology); Michał Kawulo	
	10 Distilled architectures for myocardial segmentation based on MRI images	Jakub Filarecki; Dorota Mockiewicz; Jakub Pryka; Agata Gielczyk (Bydgoszcz University of Science and Technology)	
	11 Gender-Dependent disparities in facial emotion recognition: An evaluation of Gemini 3 Pro	Kamil Wałczyk (University of Silesia)	
	12 Evaluation of explainable AI methods for the classification of medical X-ray images	Michał Kozłowski; Michał Kawulo; Agata Sobczyk; Patrycja Prusak; Marcin Ryt; Jarosław Strzelczyk; Wojciech Woźniak; Aleksander Zak (Silesian University of Technology)	
	13 Learning Human Skin Segmentation from Weak Labels	Anna Stachowicz (Silesian University of Technology); Michał Kawulo	
	14 Wearable Infrared Interference for Sensor-Level Disruption of Face Recognition	Jakub Stec; Kinga Jasitczak; Julia Rogalska; Piotr Lipiński; Krzysztof Lichy (Łódź University of Technology)	

16:15-17:00
45''

15	A Feasibility Framework for AI-Based Prediction of Heart Rate Recovery in Football	Patryk Zylinski; Tomasz Kuczynski; Jan Świątek; Tomasz Piłka (Adam Mickiewicz University, Poznań)
16	Rule-Guided LLM Realization for Reliable Data-to-Text Generation in Sports Analytics	Piotr Andrzejewski; Kaj Skubiszak; Patryk Zylinski; Tomasz Kuczynski; Mateusz Czajka; Tomasz Piłka (Adam Mickiewicz University, Poznań)
17	Improving Inference in Rule-Based Knowledge Systems Using DBSCAN Clustering and Advanced Cluster Representatives	Igor Gaibel (University of Silesia)
18	Object classification using tactile table and camera sensors fusion	Tomasz Winiarski; Wojciech Styczeń; Hubert Kowalski (Ergobotics P.S.A.); Maciej Stefańczyk (Warsaw University of Technology)
19	The Fatigue Loop: Predicting Next-Day Soreness in Women's Football via Workload and Wellness Triangulation	Martyna Ławnczak; Kaja Dzięgus; Bartłomiej Grzełek (KKS Lech Poznań); Tomasz Piłka (Adam Mickiewicz University, Poznań)
20	High-Stakes Deception Classification with LSTM-Based Multimodal Analysis	Aneta Kilar; Patrycja Stepora; Krzysztof Stolarek; Adrian Rechmiński; Piotr Duch (Lodz University of Technology)
21	Adversarial Resilience of Unsupervised Anomaly Detection: A Comparative Study on Network Intrusion using Masked Fast Gradient Sign Method	Jeremi Kowalski (Wrocław University of Science and Technology); Agnieszka Nowak-Brzezińska (Silesian University)
22	Topological Analysis of Stylistic Change in arXiv Articles Before and After 2023	Nel Olszewska; Tomasz Górecki (Adam Mickiewicz University, Poznań)
23	Revolutionising Speedway Narrative With Expected Points Metric	Piotr Kaczorek; Tomasz Górecki; Tomasz Piłka (Adam Mickiewicz University, Poznań)
24	Improving Diffusion-Based Forecasting via PCA Compression of Prediction Targets	Michał Szczygieł; Antoni Zięciak; Michał Pikus; Jarostaw Wąs (AGH University of Krakow)
25	Attention in City-Scale Crowd Flow Prediction	Antoni Zięciak; Michał Szczygieł; Michał Pikus; Jarostaw Wąs (AGH University of Krakow)
26	An AI-Augmented Pipeline for Developing VR Simulations in Eyewitness Memory Research	Wiktoria Rabińska; Artur Gunia (Jagiellonian University)
27	Natural language to SQL query translation in a hybrid architecture using database schema denormalization	Wojciech Podbielski (Adam Mickiewicz University, Poznań)
28	Learning and Applying Rule Sets for Feature Ranking	Kamil Magiera; Beata Zielosko (University of Silesia in Katowice)
29	A Multi-Level Framework for Attribute Weighting	Bartłomiej Barański; Beata Zielosko; Urszula Starczyńska (Silesian University of Technology)
30	Deep Learning-Based Human Classification from Gait Spectrogram Representations	Rafał Doroz; Natalia Balicka; Zuzanna Brzozowska; Jagoda Guz; Mariia Zakharova (University of Silesia)
31	SHAP-Based Interpretable Concept Drift Detection	Piotr Sołtysik; Dorota Bober; Rafał Doroz (University of Silesia)
32	Automated Acquisition of Knuckle Images for Continuous Verification Systems	Yulia Tryshyna; Mateusz Parlak; Tymoteusz Baran; Antoni Gierszewski; Kacper Januszek; Zuzanna Jaslak; Wiktoria Żelawska; Rostyslav Dmytrovskyi; Rafał Doroz (University of Silesia)
33	Machine Learning Methods in Traffic Analysis: Traffic Intensity Measurement	Tomasz Wesolowski; Kamil Dziura (University of Silesia in Katowice)

Room 1.19

17:00 - 17:15

COFFEE BREAK
Atrium - D17 AGH University of Krakow

17:00-17:45
45''

POSTER SESSION 6 Medical Applications of Artificial Intelligence Problem Solving and Optimisation Reports on AI Business Projects		
1	Grenton Personal Smart Home: Engineering an AI-Ready Automation Platform	Grzegorz Wąchocki; Piotr Kucharz (Grenton)
2	Fuzzy approach to keystroke analysis	Przemysław Kudłacik (University of Silesia)
3	Iterative improvement genetic algorithm with penalty function for concurrent real-time optimization in the embedded system design process	Adam Górski; Maciej Ogorzałek (Jagiellonian University)
4	SPINNs: Physics-informed deep learning for Levy-driven stochastic differential equations	Marcin Baranek; Paweł Przybyłowicz (AGH University of Krakow)
5	Hermite-Regularized Evolutionary Optimization of Femtosecond Pulses - Preliminary Study	Mateusz Pasierbek; Paweł Wachel; Grzegorz Soboń (Wrocław University of Science and Technology)
6	Defining Asset Region Shape Optimization and Assets in Region Placement problems for maps optimization in AAA games	Michał Przewoźniczek (Wrocław University of Science and Technology); Rafał Polito; Jędrzej Nawara (Techland S.A.)
7	Fish School Search Algorithm and Its Application to Portfolio Optimization	Paulina Marchut (AGH University of Krakow)
8	An Overview of Reinforcement Learning Approaches to Flight Schedule Recovery	Bartosz Lewandowski; Bartłomiej Stasiak (Lodz University of Technology); Filip Turoboś (Polish Academy of Science)
9	Random migration topologies in metaheuristics.	Sylwia Bielaszek; Gabriela Ochoa (University of Stirling); Aleksander Byrski (AGH University of Krakow)
10	LLM-based design of novel metaheuristics: is a one-shot approach viable?	Michał Pliuhacek (AGH University of Krakow)
11	Epi-GA: A Novel Evolutionary Approach with Epigenetic silencing for ANN Configuration Search	Kornel Chromiński (University of Silesia in Katowice)
12	Differentiable Constrained Optimal Control for Flight Endurance Maximization	Przemysław Gryt (Silesian University of Technology)
13	An Introduction to Artificial Bee Colony Algorithm	Muhammed Efe Çetin; Urszula Boryczka (University of Silesia in Katowice)
14	Improving Pareto front exploration with multidimensional ACO pheromone	Grażyna Starzec (AGH University of Krakow)
15	Deep Learning for Early Lung Cancer Detection in LDCT Screening: A Pilot Study	Anna Mrukwa; Viviana Laber; Marek Socha; Rafał Dziadziuszko; Joanna Bidzińska; Edyta Szurowska; Witold Ryzan (Medical University of Gdańsk); Joanna Polańska
16	An Interpretable Attention-Guided Hybrid Deep Learning Framework for Breast Cancer Classification	Sobita Dastgeer; Povilas Treigys (Vilnius University)
17	MicroAlvag: AI-Driven Point-of-Care Diagnosis of Vaginal Infections	Dawid Rymarczyk; Agnieszka Sroka-Oleksiak; Adam Pardy; Katarzyna Biegun-Drozd; Dorota Ochońska; Anna Małska-Woźniak; Agnieszka Gonet-Surówka; Anna Bialecka; Joanna Bialecka; Katarzyna Rak (Centre of Microbiological Research); Łukasz Struski; Joanna Sobosińska; Adriana Borowa; Bartosz Zieliński; Monika Brzychczy-Włoch (Jagiellonian University)
18	Improved image quality does not guarantee better lesion segmentation: Evaluating the impact of GAN-based image restoration on microaneurysm segmentation and detection	Wiktoria Szumigraj; Marcin Kowalski (Military University of Technology)
19	Multi-Branch Graph Neural Network for Alzheimer's Detection from Brain MRI using CNN-Derived Features	Antoni Jaszcz; Dawid Polap; Katarzyna Prokop; Zbigniew Marszałek; Marcin Woźniak (Silesian University of Technology)
20	Adaptive and Scalable AI Framework for Medical Data Anonymization: Balancing Privacy and Data Utility	Tadeusz Kifner; Cezary Ortowski (WSB MERITO University of Gdańsk); Dawid Lipiński (Medical University of Gdansk)
21	Fragment-Wise Interpretability in Graph Neural Networks via Molecule Decomposition and Contribution Analysis	Sebastian Musiał; Bartosz Zieliński; Tomasz Danel (Jagiellonian University)
22	Detection of artifacts by student, AI model and expert reader in high b-value breast DWI MRI	Arnya Markale (Polish Academy of Science); Luise Brock (Friedrich-Alexander-Universität Erlangen-Nürnberg); et al.
23	Transfer learning for EEG signal classification in motor imagery tasks	Jan Rogowski (Lodz University of Technology)
24	Fast detection of cataract based on fundus image	Alicja Ignatowicz; Tomasz Marciniak (Poznan University of Technology)
25	Interactive Biomedical Knowledge Graph Service for Polish Clinical Notes	Mateusz Gierszewski; Jan Majkutewicz (Gdansk University of Technology)
26	Evaluating the Influence of Generative Augmentation Techniques on Laparoscopic Tool State Classification	Paweł Forczmanski (West Pomeranian University of Technology in Szczecin)
27	Benchmarking Automated Machine Learning Frameworks on Medical Tabular Datasets	Krzysztof Smółka; Przemysław Kucharski (Lodz University of Technology)
28	DiceLoss does not lead to best Dice Score: Exploring loss function tuning in the root canal segmentation	Jan Tyc; Joanna Jaworek-Korjakowska (AGH University of Krakow)

Room 1.19

18:45-19:45 60"	GUIDED TOUR Polish Aviation Museum - al. Jana Pawła II 39 Kraków
20:00-23:00 180"	GALA DINNER

Time		Wednesday, 22.04		
REGISTRATION	8:30-10:30	REGISTRATION Faculty of Computer Science - D17 AGH University of Krakow		
	8:30-9:00 30"	WELCOME COFFEE/NETWORKING Atrium - D17 AGH University of Krakow		
	9:00-10:00 60"	KEYNOTE SPEAKER: PROF. CHRISTIAN NAPOLI Room 1.38		
	10:00-10:30 30"	COFFEE BREAK Atrium - D17 AGH University of Krakow		
	10:30-12:30 120"	PANEL 2 A friendly AI development ecosystem as an opportunity for Poland's technological sovereignty on the global market Chair: Joanna Szczegieliński Panelists: Olga Zabolewicz, Robert Kroplewski, Marcin Wiggird, Daniel Kessler Room 1.38		
12:30-14:30 120"	ORAL 7	ORAL 8	ORAL 9	
	Computer Vision Data Mining and Machine Learning Chairs: L. Chmielewski, B. Kwolek, I. Czarnowski	Young AI Generative Artificial Intelligence Remote Sensing and Satellite Data Analysis Chairs: P. Spurek, T. Orczyk, S. Kaźmierczak, J. Nalepa, K. Kotowski	Medical Applications of Artificial Intelligence Artificial Intelligence in Bioinformatics Chairs: W. Duch, R. Nowak	
	<small>Lightweight Garment Mask Refinement for Improved Diffusion-Based Virtual Try-On Using CatVTON Raman Teja Venigalla; Robert Czabański (Silesian University of Technology)</small>	<small>Evaluating X-ray-based bone fracture detectors using dedicated datasets Adriana Niepala; Anna Zatrwnicka (Opole University of Technology)</small>	<small>Flow Experience Recognition Using Linear and Nonlinear Classifiers for Features Based on Signal Entropy and Hjorth Parameters from Electroencephalograms Szymon Sieciński; Kamili Bednarz; Dmytro Yesyp (AGH University of Krakow);</small>	
	<small>Navigating Hardware Constraints: Data Collection and Deployment Challenges for Real-Time Point Cloud Processing on Mobile AI Platform Maciej Jarystow (West Pomeranian University of Technology in Szczecin)</small>	<small>A Cascade Model for Selective Data Processing in Resource-Constrained IoT Surveillance Systems Rafał Pasternak; Bartłomiej Placzek (Silesian University of Technology)</small>	<small>A Rights-Based Governance Framework for AI-Enabled Human Enhancement Kacper Bos; Nikola Feduniewicz; Anna Bryniarska (Opole University of Technology)</small>	
	<small>Integrating Feature Reduction with Modern Neighborhood Component Analysis for Image Classification Didih Chandranegara; Bogustaw Cyganek (AGH University of Krakow)</small>	<small>Intelligent Multi-Label Triage for Hematological Comorbidities using BERT Jan Banasik; Antoni Pater (AGH University of Krakow)</small>	<small>Explainable AI in Volumetric Medical Imaging: A Case Study on Knee Injuries Mikołaj Chomanski; Dominika Wysztytska; Mateusz Kietbus (Warsaw University of Technology)</small>	
	<small>Recommendation of Relevant References for Scientific Articles Arkadiusz Paterak; Michał Szczygł; Antoni Zięciak; Marcin Szpyrka (AGH University of Krakow)</small>	<small>BCCE: Bernoulli Cross-Entropy Clustering for Robust Multi-Modal Regression with Automatic Component Selection Krzysztof Byrski (Jagiellonian University)</small>	<small>Segmenting Brain Tumors from MRI Using Attention-based 3D U-Nets with Adaptive Loss Bartłomiej Gladys; Agata M. Wijata; Jakub Nalepa (Silesian University of Technology)</small>	
	<small>Towards parameterless three-way decision cascade of neuro-fuzzy classifiers Wojciech Pias; Krzysztof Simiński (Silesian University of Technology)</small>	<small>Making Bielik LLM Reason (Better): A Field Report Adam Trybus (Jagiellonian University); Bartosz Barńicki; Remigiusz Kinas (Bielik.ai (SpeakLash Foundation))</small>	<small>Testing the Limits of Deep Learning Generalization in Breast MRI Segmentation Grzegorz Rydzyski; Arnejo Markala; Shirin Heidarikhahesh; Chris Ehrling; Lorenz Düppmann; Tri-Thien Nguyen; Dominique Hadler; Hannes Schreiter; Lorenz Kapsner; Sabine Ohlmeyer; Michael Uder; Łukasz Jeleń; Tatjana Ivanovska; Sebastian Bickelhaupt; Andrzej Liebert</small>	
	<small>Improving FER Interpretability with eXplainable AI and FACS Kamila Skorupka; Marek Adrian (AGH University of Krakow)</small>	<small>Filtering Techniques for Satellite Telemetry Anomaly Detection Vector Mina Bikhil; Bogdan Rusczyk (Opole University of Technology)</small>	<small>Hybrid Equivariant Graph Neural Network with Multi-Scale Pooling for Protein B-Factor Prediction Kacper Tonn; Joanna Kopala; Patrycja Przedwojska; Marta Radko; Karina Synowiec; Jakub Tomczak (Nature Innovation Laboratory); Justyna Kalinowska-Tuścik; Tomasz Danek (Jagiellonian University)</small>	
Room 1.20	Room 1.38	Room 2.41		
14:30-15:00 30"	LUNCH BREAK Atrium - D17 AGH University of Krakow			
15:00-15:30 30"	CLOSING REMARKS Atrium - D17 AGH University of Krakow			