



# CONFERENCE PROCEEDING



## International Conference on Data Management and Information Retrieval

7 November, 2025

Jan Wyżykowski University  
ul. Skalników 6b, 59-101 Polkowice, Poland



### Conference Location:

Jan Wyżykowski University, ul. Skalników  
6b, 59-101 Polkowice, Poland



<https://ujw.pl/icdmir/>



[icdmir@ujw.pl](mailto:icdmir@ujw.pl)



# Event Agenda

NOVEMBER 7 2025



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10:00 - 10:30 am	Registration & Networking Broadcast
10:30 - 10:40 am	Welcome & Opening Remarks
10:40 - 10:50 am	Welcome address by conference organizer Dr. Dariusz Zajac, Prof. UJW, Rector of Jan Wyżykowski University
10:50 - 10:55 am	Welcome address Conference Chair Dr. Zdzisław Pólkowski, Prof. UJW
10:55 - 11:30 am	Introduction about Speakers and Speakrs Sessions <a href="#">Prof. Dr. Luis Miguel Cardoso</a> <a href="#">Prof. Dr. Sambit Kumar Mishra</a>  Session Chair & Co-Chair: Prof. Dr. Ahmed J. Obaid Prof. Dr. Muthmainnah
11:30 am - 01:30 pm	Conference Sessions (Presenting Agenda) Presenting Papers by Authors (10 Minutes, 5 Minutes QA)
1:30 pm - 1:40 pm	Session Conclusion
1:40 pm - 1:45 pm	Anounce the Best Presented Papers (Top 3 papers)
1:45 pm - 1:50 pm	Conclusion and Recommendations Session chairs and Co-chairs
1:50 pm - 2:00 pm	Closing Remarks & Thank You

**The event will be conducted in Polish time (Central European Time – CET )**

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Paper ID	Paper Title	Authors name	Affiliation
2	Project “Short and to the point” – research report	Eunika Baron-Polańczyk Jacek Jędryczkowski	University of Zielona Góra, Poland
3	AI Assistant for Craft Breweries: Heuristic and Embedding Models for Beer Recipe Recommendation	Krzysztof Rewak	Witelon Collegium State University, Poland
4	Harnessing AI-Driven Conversational Agents to Enhance Classroom Discussion	Adiyono Adiyono Arum Putri Rahayu, Fahmy Ferdian Dalimarta, Khairunnisa Khairunnisa, Budiyanto Budiyanto Agus Zaenul Fitri	Sekolah Tinggi Ilmu Tarbiyah Ibnu Rusyd Tanah Grogot, Indonesia STAI Ma’arif Magetan, Indonesia Universitas Bhamada Slawi, Indonesia UIN Antasari Banjarmasin, Indonesia STIQ Walisongo Situbondo, Indonesia UIN Sayyid Ali Rahmatullah Tulungagung, Indonesia
5	Vision-Based Detection of Label Presence for Automated Quality Control	Karol Zygałto Krzysztof Rewak	Witelon Collegium State University, Poland
6	Blockchain-Integrated AI System for Transparent and Tamper-Proof Patient Health Records Management	V Rama Krishna G Manideep, M V V Krishna Prasad K Ikia,M Shashank	Anurag University, Hyderabad, India
7	Development of a Parallel Cryptographic Key Generator Utilising Hyper-Chaotic Dynamics and Involving Non-Linear Feedback Shift Registers	Omar A. Jasim Ahmed	Ministry of Education, Iraq
8	Adaptive Federated Learning Framework for Fair and Privacy-Preserving Educational Analytics	Hussein Ali Manji Nasrawi, Mustafa Saleh Mahdi Al-Khaffaf	University of Kufa, Najaf, Iraq
9	AI Techniques for Efficient and Semantic Web Crawling in Real-Time Environments	Hassan Saleh	Al-Manara College of Medical Sciences, Iraq
10	The Experience of Using Decopy AI Math Solver to Develop Problem-Solving Skills among Students at A'Sharqiyah University	Ali Said Al Matari, Khalid Humaid Al Udhubi, Nadya Azzan Al Sawafi, Ahmed J. Obaid, Ahmad Al Yakin, Muthmainnah Muthmainnah	A'Sharqiyah University, Oman A'Sharqiyah University, Oman A'Sharqiyah University, Oman University of Kufa, Iraq Universitas Al Asyariah Mandar, Indonesia Universitas Al Asyariah Mandar, Indonesia
11	Deep Learning-Based YOLOv8 Model for Automated Dental Caries Detection	Yasir Ali Al Khafaji Rusul Saad	Ministry of Education, Iraq Ministry of Education, Iraq
12	Efficient Satellite Image Classification via Wavelet Scattering Features and Random Forest	Rusul A. Al Mudhafar	University of Kufa, Najaf, Iraq



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Paper ID	Paper Title	Authors name	Affiliation
13	Enhancing Forest Fire Prediction through Explainable Artificial Intelligence (SHAP) and Machine Learning Techniques	Benin Abdul Ameer Jumaa Muntaha Abdul Zahra Hatem	Al-Mansour University College, Iraq Ministry of Higher Education, Iraq
14	Intrusion Detection and Security in Wireless Sensor Networks: A Real-Time Data Mining Perspective	Rawaa R. Rfys	Ministry of Education, Iraq
15	Assessing Current Water Storage Levels and Critical Depletion Timelines in a Reservoir Using Multispectral Satellite Imagery and Hydrological Modeling with Artificial Intelligence Techniques	Zahraa Mohammed Hasan	Ministry of Education, Najaf, Iraq
16	Hybrid Explainable Predictive Maintenance Framework (HEPMF) for Industrial Equipment Monitoring	Salsabeel Saeed Hasan Sarah Qasim Ali	Ministry of Finance, Rafidain Bank, Iraq University of Kufa, Iraq
17	Optimizing Underground Fiber Optical Cross-Connection Cabinet Distribution Networks using K-Means and Hierarchical Clustering	Ammar Alramahee	University of Kufa, Najaf, Iraq
19	Artificial Intelligence and Digitalization as a Response to New Challenges in Underground Mining	Paweł Stefaniak	KGHM, CUPRUM R&D Centre Ltd, Poland
20	Integrating Virtual and Augmented Reality into industry 4.0: Case Studies in Mechatronics	Zdzisław Pólkowski Robert Cieřlik	Jan Wyřkowski University, Poland
21	The Impact of Artificial Intelligence on Digital Copyright Protection and Cybersecurity	Zdzisław Pólkowski Nikolas Papenfus	Jan Wyřkowski University, Poland

