



MINISTRY
OF EDUCATION AND
SCIENCE OF UKRAINE



2026 DPMMT

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
STATE UNIVERSITY OF TRADE AND ECONOMY (UKRAINE)
TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV (UKRAINE)
STATE SERVICE OF SPECIAL COMMUNICATIONS AND INFORMATION PROTECTION OF
UKRAINE
UNIVERSITY COLLEGE OF PROFESSIONAL EDUCATION IN WROCLAW (POLAND)
JAKUB FROM PARADYŻ ACADEMY IN GORZÓW WIELKOPOLSKI (POLAND)
ACADEMY OF APPLIED SCIENCES OF THE NATIONAL ECONOMICS IN KUTNO (POLAND)
STATE UNIVERSITY OF ECONOMICS AND TECHNOLOGY (UKRAINE)
CENTRAL ASIAN INNOVATION UNIVERSITY (KAZAKHSTAN)
KUATBEKOV UNIVERSITY OF PEOPLES' FRIENDSHIP (KAZAKHSTAN)
GRID DYNAMICS
QUALIUM SYSTEMS

CONFERENCE PROGRAM

DPMMT-2026

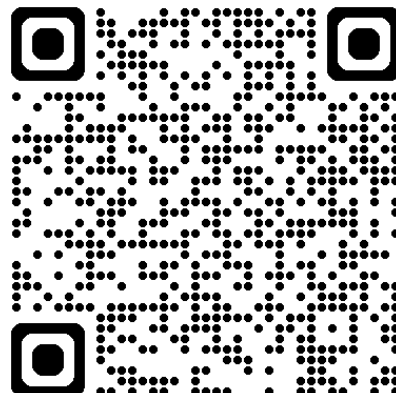
International Conference «Data Processing: Models, Methods, and Technologies»
MAY 29, 2026 | KYIV, UKRAINE

WEB: <https://dpmmt.ucreate.org.ua/en/>

E-mail: dpmmtsute@gmail.com

Conference opening: 10:00 a.m., (Ukrainian Standard Time)

CONFERENCE PARTNERS





PRESENTATION SCHEDULE OF SELECTED PAPER IN ONLINE MODE 29th MAY 2026

PLENARY SESSION

Zoom Platform Link: [Link](#)

Meeting ID: 483 534 5431

Passcode: 791601

10:00 – 11:30 CONFERENCE OPENING. Session Chair Oleg Pursky		
10:00 – 10:10	Opening speech	OLEG PURSKY , Prof., Dr. Sc., (State University of Trade and Economics, Ukraine)
10:10 – 10:20	Welcome speech	ANATOLII MAZARAKI , Prof., Dr. Sc., Academician, Rector (State University of Trade and Economics, Ukraine)
10:20 – 10:30	Welcome speech	VOLODYMYR ZVIERIEV , Assoc. Prof., Dr., Advisor to the Head of the State Service of Special Communication and Information Protection (Ukraine)
10:30 – 10:40	Welcome speech	VOLODYMYR MIETIELOV , Assoc. Prof., Dr., Coordinator for University Relations (Grid Dynamics, Ukraine)
10:40 – 11:00:	Keynote Speaker report	JANUSZ SOBOŃ , Prof., Dr. Habil., (University College of Professional Education in Wrocław, Poland)
11:00 – 11:20	Keynote Speaker report	MUSABEK AKILBAYEV , Assoc. Prof., Dr., Deputy Vice-Rector for Research and Innovation (Kuatbekov University of Friendship of Peoples, Kazakhstan)
11:20 – 11:30	Welcome speech	OLEKSANDR KHARCHENKO , Assoc. Prof., Dr., Dean of the Faculty of Information Technology (State University of Trade and Economics, Ukraine)
11:30 – 12:00 COFFEE BREAK		



Track 1. COMPUTING TECHNOLOGIES FOR DATA PROCESSING

Zoom Platform Link: [Link](#)

Meeting ID: 856 5657 5214

Passcode: 11

12:00 – 15:30 TRACK 1. Session Chair Oleg Pursky, Co-Chair Anna Selivanova		
Time	Paper ID	Author(s), Presentation Title
12:00 – 12:15	1-01	Maria Bessarab, Yuriy Yurchenko , “An Analysis of the Performance of RAID Arrays in Modern Distributed Computing Systems”
12:15 – 12:30	1-02	Mark Sverhun , “Data Processing Pipeline Architecture for Adaptive Priority Weighting in Neural Network Recommendation Systems”
12:30 – 12:45	1-03	Oleg Pursky, Tetyana Filimonova, Anna Selivanova “Research of Textual and Visual Models for Sentiment Classification of Multimodal Data”
12:45 – 13:00	1-04	Maksym Seleznev, Liudmyla Shokotko , “Software for Automated Design of Flat Rolled Metal Cutting Technology Using a Cevron Knife”
13:00 – 13:15	1-05	Andrii Bai , “Methods and Algorithms of 3D Objects Retopology Based on Neural Networks”
13:15 – 13:30	2-10	Andriy Holynskiy , “Conceptual Model of Personalization of Educational Trajectories under Conditions of Uncertainty and Ethical Constraints”
13:30 – 13:45	COFFEE BREAK	
13:45 – 14:00	2-01	Pavlo Demidov, Polina Sushko , “Object Segmentation Using a Two-Stage MASK R-CNN Model”
14:00 – 14:15	2-07	Oleksii Savon , “Cognitive Approach to Modeling Educational Platforms for Distance Learning”
14:15 – 14:30	1-06	Olexander Vishnevsky , “Antenna Database in Applied Problems of Aviation Electromagnetic Compatibility”
14:30 – 14:45	4-05	Kostiantyn Sapun, Ruslana Seleznova , “The Concept of the Metaverse for Computer Science Specialists: Technological Foundations, Applications, and Development Prospects”
14:45 – 15:00	4-09	Turapov U.U., Akylbaev M.I., Zhantaeva Sh.K., Madalieva G.U. , “Creation of a Robotic Eye Analyzer as a Result of The Integration of Correlation Coefficient Methods and Artificial Intelligence in Face Recognition”



Track 2. INTELLIGENT SYSTEMS AND ARTIFICIAL INTELLIGENCE

Zoom Platform Link: [Link](#)

Meeting ID: 816 8451 6476

Passcode: 22

12:00 – 15:30 TRACK 2.		
Session Chair Volodymyr Soloviev, Co-Chair Andrii Bielinskyi		
Time	Paper ID	Author(s), Presentation Title
12:00 – 12:15	2-08	Tetyana Tomashevsk a, “Comparative Analysis of Classical and Quantum Nuclear Methods for Classification of Unbalanced Data for Fraud Detection Systems”
12:15 – 12:30	2-15	Andrii Tuzhykov , Volodymyr Soloviev , Arnold Kiv , “Machine Learning Trained Potential for Screening Functionalization of Graphene Quantum Dots”
12:30 – 12:45	2-02	Anastasiia Dzendzelivsk a, Tetyana Filimonova , “Algorithm for Automatic Selection of Employees According to Employers' Requests”
12:45 – 13:00	2-03	Dmytro Bondarenko , Oleksandr Kharchenko , “Integrated Module of Explainability and Academic Integrity Control in an Intelligent Information System for Competency Assessment”
13:00 – 13:15	2-17	Andrii Bielinskyi , Volodymyr Soloviev , Andriy Matviychuk , Victoria Solovieva , “Regime Clustering of Financial Assets via Visibility Graphs: A k-Visibility Approach Applied to Equities and Commodities”
13:15 – 13:30	2-05	Daniil Sanzharov , “Methodology for Detecting Plastic Waste in Waterways Using Neural Networks”
13:30 – 13:45	COFFEE BREAK	
13:45 – 14:00	2-06	Kateryna Palaguta , “Deep Learning Models for Exchange Rate Forecasting”
14:00 – 14:15	2-09	Vladyslav Vdovychenko , Valentyna Pleskach , “Generation of Realistic 3D Scene Models VIA 3D Gaussian Splatting Training”
14:15 – 14:30	2-11	Andrii Huzhvii , “Application of Natural Language Processing Methods for Regulatory Documents Analysis in Banking Compliance Systems”
14:30 – 14:45	2-13	Volodymyr Kulazhenko , Anastasia Bibikova , “Information and Analytical System Development for Assessing the Quality of Ukrainian-Language Texts”
14:45 – 15:00	2-16	Andrii Aleksandrov , Nataliia Kotenko , “Artificial Intelligence Methods for Detecting and Resolving Semantic Conflicts in Source Code Merging”
15:00 – 15:15	2-18	Mykola Mihai , Tetyana Filimonova , “Application of Machine Learning Methods for Identifying Anomalous Credit Card Transactions”



Track 3. INTELLIGENT DATA ANALYSIS AND DATA SCIENCE TECHNOLOGIES

Zoom Platform Link: [Link](#)

Meeting ID: 761 8016 6653

Passcode: 2021

12:00 – 15:30 TRACK 3. Session Chair Tetyana Filimonova, Co-Chair Yurii Yurchenko		
Time	Paper ID	Author(s), Presentation Title
12:00 – 12:15	3-01	Oleksii Tsesliuk , “A Local RAG-Based System for Heuristic Ux Evaluation”
12:15 – 12:30	3-02	Valery Domarev, Yurii Khlaponin , “Methodology and Tool for Creating Cyber Protection System for Critical Infrastructure Objects”
12:30 – 12:45	3-03	Andrii Koliada . “Assessment of Risks in Ukraine’s Infrastructure Reconstruction: a Systemic Approach”
12:45 – 13:00	3-04	Anna Polyukhovich , “Machine Learning Models Application to Forecast Revenues of an Online Educational Platform”
13:00 – 13:15	3-05	Hanna Samoylenko, Anna Selivanova , “Analysing the Efficiency of Advertising Campaigns Using Python”
13:15 – 13:30	3-06	Volodymyr Kaskevych , “Hybrid Models and Natural Language Processing Methods for Customer Support Load Forecasting”
13:30 – 13:45	COFFEE BREAK	
13:45 – 14:00	3-07	Liudmyla Katrecha , “Methods of Medical Data Mining for Forecasting Healthcare Facility Resources”
14:00 – 14:15	3-08	Oleksiy Shindyr, Hanna Samoylenko , “Data Visualization and Exploration in Modern Information Systems”
14:15 – 14:30	2-14	Alisa Shamihulova, Ihor Tyshchenko , “Intelligent Model of Decision Support in Management of Startup Projects Based on Methods Machine Learning”
14:30 – 14:45	2-04	Pavlo Demidov, Myloslava Tytarenko , “Vehicle Detection Based on Computer Vision Technologies Using Deep Learning Methods”
14:45 – 15:00	2-12	Varvara Strehlova, Volodymyr Dyvak , “Neural Networks in Everyday Life”
15:00 – 15:15	4-04	Janusz Sobon, Ruslana Seleznova , “Artificial Intelligence in International Finance: Opportunities, Risks, and Future Development”



Track 4. INFORMATION TECHNOLOGIES. Session 1.

Zoom Platform Link: [Link](#)

Meeting ID: 869 8668 0044

Passcode: 44-1

12:00 – 15:30 TRACK 4. Session 1. Session Chair Alona Desiatko, Co-Chair Dmytro Hnatchenko		
Time	Paper ID	Author(s), Presentation Title
12:00 – 12:15	4-03	Mykhailo Voloshyn, Yuriy Yurchenko , “The Problem of Long Rebuild Time of Raid Arrays Based on Large-Capacity Magnetic Disks: Risks and Solutions”
12:15 – 12:30	4-06	Anastasiia Liahera, Oleksandr Kharchenko , “Sharepoint Framework and Its Benefits for Higher Education Institutions”
12:30 – 12:45	4-07	Alona Desiatko, Valerii Lakhno , “Design of the Core of a Cognitive Information and Management System for the Retail Enterprise Logistics”
12:45 – 13:00	4-08	Ihor Tyshchenko , “Preventive Protection Algorithm and Post-Ban Recovery of Meta Accounts in SMM Practice in Cases of Media Files Policy Violations”
13:00 – 13:15	4-10	Volodymyr Dyvak , “The Use of the “BAS. Small Business” Information System in Planning the Economic Activities of Enterprises”
13:15 – 13:30	4-11	Anton Korneta , “Description of an Integrated Approach to Estimating Task Duration and Team Workload in Agile Projects”
13:30 – 13:45	COFFEE BREAK	
13:45 – 14:00	4-24	Valentyna Pleskach, Maksym Poslovskyi , “Methods and Tools for Building Website for Searching and Providing Volunteer Assistance”
14:00 – 14:15	4-15	Tetiana Zhyrova , “Integration of Spec-Driven Development into Agile-Oriented Training of Future IT Specialists”
14:15 – 14:30	4-16	Oleh Kuzin , “Functional and Quality Requirements for Developing Fail-Safe Banking Information Environment”
14:30 – 14:45	4-17	Vladyslav Palii , “Modeling the Process of Collecting and Analyzing Requirements in an Information System Using Agile Techniques (User Stories, Use CaseS)”
14:45 – 15:00	4-18	Rostyslav Sikora , “Stages of Developing a Microservice Architecture Model for E-Commerce Systems”



Track 4. INFORMATION TECHNOLOGIES. Session 2.

Zoom Platform Link: [Link](#)

Meeting ID: 483 693 6956

Passcode: 123456

12:00 – 15:30 TRACK 4. Session 2. Session Chair Tetiana Tomashevskya, Co-Chair Vitalii Bazurin		
Time	Paper ID	Author(s), Presentation Title
12:00 – 12:15	4-01	Tetiana Stoliarova , "Data Processing Ecosystem: Synergy of Ms Office and Cloud Solutions for Effective Analytics"
12:15 – 12:30	4-19	Andrii Nechepurenko , "Modeling the Feedback Loop Between User Actions and Youtube Algorithms in the UML Activity Diagram Notation"
12:30 – 12:45	4-13	Kyrylo Savchuk , "Evolution of CRM and ERP Systems in Enterprise Management: from Monolithic to Composite Architecture"
12:45 – 13:00	4-21	Olena Horokhova , "Information Technologies as a Driver of the Development of Modern Education"
13:00 – 13:15	4-02	Vitalii Bazurin, Olga Chashechnikova , "Structure And Functions of the Information System for Processing the Results of Pedagogical Experiment"
13:15 – 13:30	4-22	Anzhela Rymar , "Use of Digital Modeling of Numerical Series in the Professional Training of Future Economists"
13:30 – 13:45	COFFEE BREAK	
13:45 – 14:00	4-20	Vadym Kochmar , "Methods and Tools for Developing Hybrid Applications for Financial Asset-Control Systems"
14:00 – 14:15	4-23	Valentyna Pleskach, Mykyta Palamarchuk , "Tools for Developing a Web-Based Information System for Training Process Management"
14:15 – 14:30	4-14	Włodzimierz Sapun , "The Digital Shift: Information Technologies in Modern Education"
14:30 – 14:45	4-12	Tetiana Pidhorna , "Simulation Modeling as a Component of Professional Training for IT Students"



CONFERENCE SUMMARY AND CLOSING

Zoom Platform Link: [Link](#)

Meeting ID: 891 8081 4255

Passcode: 55

15:30 – 15:40. Session Chair Oleg Pursky

15:30 – 15:40	Summary and closing speech	Oleg Pursky , Prof., Dr. Sc., (State University of Trade and Economics, Ukraine)
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