

IEEE DG 2026

2026 IEEE 3rd International Student
Conference on Digital Generation

21 - 23 OCTOBER 2026

Astana, Kazakhstan

CONFERENCE
PROGRAM

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**2026 IEEE 3rd International Student Conference on Digital Generation (IEEE DG 2026)
October 21-23, 2026
Astana IT University**

OVERSIGHT COMMITTEE

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Honorary Chair	Altair Akhmetov, Chairman of the Board – Rector, Astana IT University, Kazakhstan
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2026 IEEE 3rd International Student Conference on Digital Generation (IEEE DG 2026)
October 21-23, 2026
Astana, Kazakhstan
CONFERENCE PROGRAM

Time	Event	Venue
21 October (Wednesday)		
09:00 – 09:30	Participants registration	Offline
09:30 – 10:00	Welcome Coffee	Near the Assembly Hall
10:00 – 13:00	Opening Ceremony, Panel and Plenary sessions	Assembly Hall
13:00 – 14:00	Lunch Break	
14:00– 16:00	Technical Sessions	Lecture Rooms
16:00 – 16:20	Coffee Break	Near the Assembly Hall
16:20 - 18:00	Technical Sessions	Lecture Rooms
22 October (Thursday)		
09:00 – 09:30	Participants registration	Offline
09:30 – 10:00	Welcome Coffee	Near the Assembly Hall
10:00 – 13:00	Technical Sessions	Lecture Rooms
13:00 – 14:00	Lunch Break	
23 October (Friday)		
12.00-13.00	Conference results and closing	Online

PLENARY AND PANEL SESSIONS
21 October (Wednesday)
(Time zone UTC+5, Astana time)
Venue: Assembly Hall, Astana IT University

Online: Zoom session

<https://us06web.zoom.us/j/88181058118?pwd=0TQgeoyLZXaWxdZCwVyZmTJzJ3MKwX.1>

09:00	Participants registration
09:30	Welcome coffee
10:00-11:00	Opening Ceremony
10:00	<i>Altair Akhmetov, Chairman of the Board - Rector of Astana IT University (Astana, Kazakhstan)</i>
10:10	<i>Andrii Biloshchytskyi, Professor, Vice-Rector for Science and Innovation Astana IT University (Astana, Kazakhstan)</i>
10:20	<i>Akzhibek Amirova, Associate Professor, Astana IT University, IEEE Kazakhstan Section Secretary (Astana, Kazakhstan)</i>
10:30	<i>Zhaskairat Dussaliyev, Deputy General Director at Digital Government Support Center (Astana, Kazakhstan)</i>
10:40	<i>Chahine Boutouila, CEO Veolia Holding Kazakhstan Ltd.</i>
10:50	<i>Grazioso Fabio, Associate Professor, Astana IT University (Astana, Kazakhstan)</i>
11:10	<i>Dias Kossabayev, Alem.AI Endowment Fund Chief Operating Officer (Astana, Kazakhstan)</i>
11:20-12:00	<i>Topic: “From Learning to Innovation: How Students Are Creating New Knowledge with AI”</i> <i>1. Ruana Bayakhmetova - Nazarbayev University</i> <i>2. Nuraiym Kuandyk - Coventry University Kazakhstan</i> <i>3. Sergey Chizhikov - L.N. Gumilyov Eurasian National University</i> <i>4. Assylzhan Abdullayev - Astana IT University</i> <i>5. Nurbolat Amilbek – Astana IT University</i> <i>Moderator: Sabina Salesnova – Astana IT University</i>
13:00	Lunch Break
14:00-16:00	Technical Sessions
16:00-16:20	Coffee Break
16:20-18:00	Technical Sessions

22 October (Thursday)
Venue: Astana IT University

09:00	Participants registration
09:30	Welcome coffee
10:00-13:00	Technical Sessions
13:00	Lunch Break

23 October (Friday)
(Time zone UTC+5, Astana time)
Venue: Astana IT University

Online: Zoom session

<https://us06web.zoom.us/j/86968114941?pwd=LFVqSUDlQJeanWtzjFzSLohH3wfeUI.1>

12.00-13.00	Conference results and closing

TECHNICAL SESSIONS
21 October (Wednesday)
(Time zone UTC+5, Astana time)

14:00 18:00	TRACK 2. TECHNOLOGY AND ENGINEERING MANAGEMENT https://us06web.zoom.us/j/89959240277?pwd=PXGa0uqbi21uQqRB0WJ2eGfoH27TeV.1 Anar Yessengeldina, Candidate of science, Professor (Chair) Bogdan Petrov, PhD Daiana Ibrayeva Section Secretary – Aiya Sadirova Venue – C.1.2.138
ID 21	1. Askhat Jakupov, Astana IT University, Kazakhstan 2. Medet Mukushev, Astana IT University, Kazakhstan A Gate-Controlled Pipeline for Narrative Gamification in Education: Formal Specification and Expert Evaluation
ID 70	1. Azhar Kazhykarim, Astana IT University, Kazakhstan 2. Assel Nurguzhina, Astana IT University, Kazakhstan AI-Based Approach to Mass Verification Processes for Small and Medium-Sized Enterprises: Reducing Business Intelligence Risks
ID 77	1. Akmaral Makeyeva, Astana IT University, Kazakhstan 2. Assel Nurguzhina, Astana IT University, Kazakhstan Prioritizing AI Adoption in Government-to-Business Processes: A Two-Layer Multi-Criteria Matrix
ID 79	1. Kamila Sekenova, Astana IT University, Kazakhstan The Impact of Artificial Intelligence on Financial Inclusion and User Trust in Digital Services in Kazakhstan: A Case-Based Analysis with Credit Scoring Demonstration
ID 133	1. Yerkebulan Kussym, Kazakh-British Technical University, Kazakhstan 2. Alibek Bissembayev, Kazakh-British Technical University, Kazakhstan 3. Assel Mukasheva, Kazakh-British Technical University, Kazakhstan Quantifying Fraud Reduction via Point-of-Listing Verification in Livestock Marketplaces
ID 151	1. Ramazan Zainurainov, Astana IT University, Kazakhstan 2. Riza Akhitova, Astana IT University, Kazakhstan Classifying Creative Identity Strategies in AI-Generated Media: A Literature-Grounded Survey Study of University Students
ID 153	1. Rahim Ahmed Druba, Al-Farabi Kazakh National University, Kazakhstan 2. Nesar Ahmad Bahin, Al-Farabi Kazakh National University, Kazakhstan 3. Rownak Jahan Ananna, Al-Farabi Kazakh National University, Kazakhstan TreePay: An AI-Powered Carbon Ledger Framework for Central Asia with Proof-of-Concept Validation in Kazakhstan
16:00- 16.20	Coffee break

14:00 18:00	TRACK 3. COMMUNICATIONS https://us06web.zoom.us/j/89693311708?pwd=P3MPiv45qUsw5x7gHdWnFdy4olxceS.1 Saule Amanzholova, Candidate of Technical Sciences, Associate Professor (Chair) Laura Aldasheva, Candidate of Technical Sciences Section Secretary - Kuanysh Syzdykbayev Venue – C.1.2.139
ID 8	1. Orazaly Murat, Astana IT University, Kazakhstan 2. Tamara Zhukabayeva, Astana IT University, Kazakhstan Edge AI-based Anomaly Detection Methods for Smart City Infrastructure
ID 139	1. Gulnur Shuteyeva, Astana IT University, Kazakhstan 2. Birkhanym Kazhymukhamet, Astana IT University, Kazakhstan 3. Aiym Pangerey, Astana IT University, Kazakhstan Manifold Learning–Driven Adaptive Routing for Dynamic LEO Satellite Networks in 6G
ID 160	1. Reham Hatash, Engineering Technical College of Najaf, Al-Furat Al-Awsat Technical University, Iraq 2. Ahmed Al Hilli, Engineering Technical College of Najaf, Al-Furat Al-Awsat Technical University, Iraq 3. Wasan Kadhim Saad, Engineering Technical College of Najaf, Al-Furat Al-Awsat Technical University, Iraq Assisted Deep Learning Beam Prediction for High-Mobility mmWave ISAC Vehicle-to-Infrastructure Communications
16:00- 16.20	Coffee break

14:00 18:00	TRACK 4. COMPUTATIONAL INTELLIGENCE (Room 1) https://us06web.zoom.us/j/89151781603?pwd=citTalI1bryyZvrS8WsFOeTne7jrQi.1 Aliya Nugumanova, PhD, Associate Professor Section Secretary - Aizada Kaiyr Venue – Atameken Space
ID 11	1. Arman Jansatov, Astana IT University, Kazakhstan Next-Day Fine Particulate Matter Forecasting and High-Pollution Event Detection in Astana under Limited Data Conditions
ID 13	1. Assiya Yeraly, Astana IT University, Kazakhstan 2. Zhanna Sadirmekova, Astana IT University, Kazakhstan Transformer-Based Fake News Detection with Causality-Informed Linguistic Analysis and Explainability
ID 39	1. Nurseiit Zhuzbay, Astana IT University, Kazakhstan Comparative Analysis of Machine Learning Models for Crop Yield Prediction with an AI-Powered Interactive Prediction Application
ID 42	1. Nurzhan Serikbekov, Astana IT University, Kazakhstan 2. Adil Ormanov, Astana IT University, Kazakhstan A RAG-based Intelligent Agent for Analyzing Citizen Appeals in the Context of Regulatory and Administrative Documentation
ID 44	1. Assel Zhumagulova, Astana IT University, Kazakhstan 2. Zarina Ismagambetova, Astana IT University, Kazakhstan 3. Alua Makhatova, Astana IT University, Kazakhstan Development of Methods for Recognizing Glaciers Based on Satellite Images
ID 56	1. Madiyar Bolatov, Astana IT University, Kazakhstan 2. Samat Kassabek, Astana IT University, Kazakhstan Physics Informed Neural Modeling of Melt Front Dynamics in Fast Laser Melting
ID 72	1. Alikhan Dochshanov, Astana IT University, Kazakhstan 2. Gulzhan Soltan, Astana IT University, Kazakhstan Generative Data Augmentation for Wheat and Plant Disease Recognition Using GAN and Diffusion Models: A Review and Preliminary Study
ID 78	1. Laura Duisenova, Astana IT University, Kazakhstan 2. Oleksandr Kuchanskyi, Astana IT University, Kazakhstan; National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”, Ukraine Embedding-Based Subtopic Classification and Research Trend Analysis of NLP/AI Literature
ID 81	1. Raiymbek Batyr Kasymbekuly, L.N. Gumilyov Eurasian National University, Kazakhstan Komekshi: A Retrieval-Augmented, Fine-Tuned Language Model for Low-Resource Kazakh and Central Asian History—and the Limits of Retrieval for Grounding
ID 95	1. Begarys Kanat, Astana IT University, Kazakhstan 2. Nargiza Sailaubayeva, Astana IT University, Kazakhstan 3. Anar Rakhimzhanova, Astana IT University, Kazakhstan Integrated Snowmelt Hydrology and Machine-Learning-Based Flood Routing in the Naryn River Sub-Basin, East Kazakhstan
ID 106	1. Assem Turarbek, Al-Farabi Kazakh National University, Kazakhstan 2. Sharipa Temirgazyieva, Al-Farabi Kazakh National University, Kazakhstan Deepfake Audio Detection Using Mel-Spectrogram Representation and Convolutional Neural Networks
16:00- 16.20	Coffee break

14:00 18:00	TRACK 5. ROBOTICS AND AUTOMATION https://us06web.zoom.us/j/84137650232?pwd=Nb2HTL2ZbubEjhjA7s4YoeHFUkBpH0.1 Ilyas Kazambayev (Chair) Aruzhan Shoman, PhD Daniyar Dauletiya Section Secretary – Ainur Medetkhan Venue – C.1.2.123
ID 105	1. Aknur Mansurkhan, SDU University, Kazakhstan 2. Gulsezim Mukhanbetkul, SDU University, Kazakhstan 3. Adilet Batyrbayev, SDU University, Kazakhstan KazDance-G1: Kara Zhorga Motion Capture and Retargeting for the Unitree G1
ID 123	1. Nursultan Bakhyt, Astana IT University, Kazakhstan 2. Arailym Tleubayeva, Astana IT University, Kazakhstan A Solar-Powered Autonomous Satellite Prototype with Robotic Manipulation and Edge Computer Vision for Orbital Debris Collection Studies
ID 125	1. Madeniyet Amirov, Astana IT University, Kazakhstan 2. Gulnara Abitova, Astana IT University, Kazakhstan Real-Time Simulations of Technological Processes Using Digital Model
ID 164	1. Nursultan Bakhyt, Astana IT University, Kazakhstan 2. Temirlan Zhumakpayev, Kazakh Agro-Technical Research University, Kazakhstan 3. Arailym Tleubayeva, Astana IT University, Kazakhstan Design and Functional Evaluation of an ESP32-C3-Based Multimodal IoT Health-Monitoring System
ID 165	1. Nursultan Bakhyt, Astana IT University, Kazakhstan 2. Karakat Ibraim, Astana IT University, Kazakhstan 3. Arailym Tleubayeva, Astana IT University, Kazakhstan A Low-Cost Smart Greenhouse Monitoring and Automated Control System Using NodeMCU ESP8266
16:00- 16.20	Coffee break

14:00 18:00	TRACK 6. SIGNAL PROCESSING https://us06web.zoom.us/j/88932985705?pwd=O5qbEFy4QvGAqbvSi0whkahDIU33O.1 Baurzhan Ilyassov, PhD, professor (Chair) Leila Rzayeva, PhD, Associate Professor Section Secretary – Gulzhazira Almakhambetkyzy, Aigerim Bakytbek Venue – C.1.2.124
ID 23	1. Zhuldyz Basheyeva, Astana IT University, Kazakhstan 2. Abzal Nurym, Astana IT University, Kazakhstan 3. Symbat Nurgaliyeva, Astana IT University, Kazakhstan Transformer and Conformer Architectures in Music Information Retrieval: A Bibliometric and Systematic Analysis
ID 46	1. Alen Issayev, Astana IT University, Kazakhstan 2. Gafur Khussanbayev, Astana IT University, Kazakhstan Pairwise Degradation Interaction Mapping for Lightweight Object Detectors
ID 47	1. Alen Issayev, Astana IT University, Kazakhstan 2. Gafur Khussanbayev, Astana IT University, Kazakhstan No-Reference Image Quality Gate for Object Detection under Mixed Degradations
ID 90	1. Shugyla Moldabekova, Astana IT University, Kazakhstan 2. Aliya Shukirova, Astana IT University, Kazakhstan Real-Time State Estimation and Trend Prediction for Industrial Digital Twins Using Time-Series and Spectral Analysis
16:00 16.20	Coffee break

TECHNICAL SESSIONS
22 October (Thursday)
(Time zone UTC+5, Astana time)

10:00 13:00	TRACK 1. COMPUTER SCIENCE (Room 1) https://us06web.zoom.us/j/87973762447?pwd=47vJ30KUdDnLXxKFPDFg4P807JgyG8.1 Aigul Adamova, PhD, Associate Professor (chair) Praveen Kumar, PhD, Professor Aivar Sakhipov, PhD, Assistant Professor Section Secretary – Assel Alimzhan, Tankeyev Samat Venue – C.1.2.138
ID 9	1. Alimzhan Koshikov, Astana IT University, Kazakhstan 2. Shyryn Tutkyshbayeva, Astana IT University, Kazakhstan A Machine Learning Decision Layer for Feedback-State Selection in Introductory Programming
ID 12	1. Yernar Tolegenov, Astana IT University, Kazakhstan 2. Aigul Adamova, Astana IT University, Kazakhstan Anomaly Detection and Autonomous Threat Mitigation in Smart City Housing and Utility IoT Infrastructure Using Edge Computing
ID 15	1. Askar Nuryim, Astana IT University, Kazakhstan 2. Tamara Zhukabayeva, Astana IT University, Kazakhstan Design of a Multimodal Pipeline for Accessibility in E-Learning Content
ID 17	1. Zhansaya Kuanshepek, Astana IT University, Kazakhstan 2. Tamara Zhukabayeva, Astana IT University, Kazakhstan Research and Development of a Lightweight Intrusion Detection System for IoT Devices Based on Ensemble Machine Learning Methods
ID 20	1. Symbat Issabayeva, Astana IT University, Kazakhstan 2. Teimur Kissayev, Astana IT University, Kazakhstan 3. Danial Orazali, Astana IT University, Kazakhstan An Interpretable AI System for Fraud Detection in Kazakhstan Based on Transaction Data: A Machine Learning and Economic Analysis Approach
ID 22	1. Zhuldyz Basheyeva, Astana IT University, Kazakhstan 2. Medet Akhmetov, Astana IT University, Kazakhstan 3. Symbat Nurgaliyeva, Astana IT University, Kazakhstan Safety Violation Detection in Educational Institutions: A Systematic Bibliometric Review of Deep Learning and Computer Vision Approaches
ID 32	1. Amina Adilkhan, Astana IT University, Kazakhstan Methods and Models for Developing an AI Agent for Monitoring Consumer Behaviour Trends and Detecting Market Anomalies
ID 33	1. Yersin Berdikulov, Astana IT University, Kazakhstan 2. Gulzhan Soltan, Astana IT University, Kazakhstan An AI-Powered Digital Training Simulator for Teacher Data Literacy: Conceptual Model and Prototype Architecture
ID 59	1. Saule Amanzholova, Astana IT University, Kazakhstan 2. Zhibek Mussakulova, Astana IT University, Kazakhstan Performance Benchmarking of NIST-Standardized Post-Quantum Cryptography Algorithms: A Comparative Study of ML-KEM, ML-DSA, and SLH-DSA

ID 61	1. Magzhan Tastan, Astana IT University, Kazakhstan 2. Dinara Kaibassova, Astana IT University, Kazakhstan Methods for Constructing a Style-Annotated Corpus for the Kazakh Language
ID 63	1. Symbat Nurgaliyeva, Astana IT University, Kazakhstan 2. Kuanysh Kambarov, Astana IT University, Kazakhstan 3. Assiya Karatay, Astana IT University, Kazakhstan An Intelligent System for Wildfire Risk Prediction in Kazakhstan Based on Climate Time-Series Analysis and Machine Learning
ID 68	1. Temirlan Andasov, Astana IT University, Kazakhstan 2. Yerzhan Koshkarov, Astana IT University, Kazakhstan Automated Prompt Complexity Routing for LLM-Augmented Object Detection Explanations: A Clustering-Based Approach
10:00 13:00	TRACK 1. COMPUTER SCIENCE (Room 2) https://us06web.zoom.us/j/84485082968?pwd=ZeVO9ReXIbLI19gGLwhZptcYjNrple.1 Aigul Adamova, PhD, Associate Professor (chair) Praveen Kumar, PhD, Professor Aivar Sakhipov, PhD, Assistant Professor Section Secretary – Assel Alimzhan, Tankeyev Samat Venue – C.1.2.139
ID 75	1. Abylaikhan Sekerbek, Astana IT University, Kazakhstan 2. Aziz Abdulin, Astana IT University, Kazakhstan 3. Arsen Bayakhmet, Astana IT University, Kazakhstan Analysis of Public Procurement Based on AI Technologies
ID 76	1. Dias Zhagaparov, Astana IT University, Kazakhstan 2. Makpal Zhartybayeva, Astana IT University, Kazakhstan Adapting Multilingual BERT for Low-Resource Kazakh NER: Data Efficiency, Parameter-Efficient Fine-Tuning, Tokenization, and Cross-Lingual Transfer
ID 87	1. Symbat Nurgaliyeva, Astana IT University, Kazakhstan 2. Gani Uapov, Astana IT University, Kazakhstan 3. Zhuldyz Basheyeva, Astana IT University, Kazakhstan Fine-Tuned Local Small Language Model for Robust and Explainable Short-Answer Grading via the Key-Point Scoring Framework
ID 94	1. Assanali Yelzhanov, Astana IT University, Kazakhstan Developing a REST and gRPC API Security Testing Framework Based on OWASP Standards
ID 99	1. Altynay Mukhamediyarova, Astana IT University, Kazakhstan 2. Asselya Zhumakhanova, Astana IT University, Kazakhstan 3. Anar Tolybay, Astana IT University, Kazakhstan Development and Evaluation of an Adaptive University Room and Event Management Platform
ID 103	1. Gulzhan Soltan, Astana IT University, Kazakhstan 2. Almas Magzumov, Astana IT University, Kazakhstan Conceptual Model of a Multimodal Digital Student Profile for Learning Analytics
ID 114	1. Nurgissa Kabarbek, Astana IT University, Kazakhstan 2. Bexultan Turgunov, Astana IT University, Kazakhstan 3. Zhibek Tleshova, Astana IT University, Kazakhstan A Workflow-Driven E-Syllabus Management Platform for Higher Education

ID 141	1. Erik-Nazir Daut, Astana IT University, Kazakhstan Revisiting Security Risks in the Rust Ecosystem: A Longitudinal Analysis With Improved Methodology
ID 146	1. Nadir Kuat, Astana IT University, Kazakhstan 2. Shynar Akhmetzhanova, Astana IT University, Kazakhstan Hub-Based Marketing Interventions in Scale-Free Networks: An Agent-Based Simulation Study
ID 169	1. Azamat Tastemirov, Astana IT University, Kazakhstan 2. Balziya Aldosh, Astana IT University, Kazakhstan 3. S. B. Mukhanov, Astana IT University, Kazakhstan A Comparative Study of Machine Learning Models for Threat Detection in Active Directory Using Windows Security Event Logs
ID 170	1. Azamat Zhenisov, Astana IT University, Kazakhstan 2. Zhanar Akhmetova, Astana IT University, Kazakhstan Early-Flow Features Are Domain-Invariant: Cross-Dataset Generalization and Explanation Stability of Network Intrusion Detection

10:00 13:00	TRACK 4. COMPUTATIONAL INTELLIGENCE (Room 1) https://us06web.zoom.us/j/83326653972?pwd=3ho9Bmt9I3DfBnHUCNxcc2q1jhQQIx.1 Aliya Nugumanova, PhD, Associate Professor Section Secretary – Aizada Kaiyr Venue – Atameken Space
ID 108	1. Anuar Baitulakov, Astana IT University, Kazakhstan 2. Sabina Kappassova, Astana IT University, Kazakhstan 3. Aray Maratova, Astana IT University, Kazakhstan Feedback System for RAG Chatbots with LLM-based Automatic Validation
ID 112	1. Darkhan Omirbay, Astana IT University, Kazakhstan 2. Almas Imangaliyev, Astana IT University, Kazakhstan 3. Aigerim Mansurova, Astana IT University, Kazakhstan Towards Named Entity Recognition for Chagatai: First Annotated Corpus and Multilingual BERT Baselines
ID 113	1. Aliya Kalykulova, Astana IT University, Kazakhstan 2. Yan Kudashov, Astana IT University, Kazakhstan 3. Bakdaulet Abdikul, Astana IT University, Kazakhstan A Model for Analyzing and Structuring Specialized Pet Foods Based on Semantic Representations and Nutrient Composition
ID 115	1. Yerali Agibayev, Astana IT University, Kazakhstan Verifiable Reward Reinforcement Learning for Kazakh Arabic Script Transliteration
ID 128	1. Arnas Zhaxalikov, Astana IT University, Kazakhstan 2. Zhanar Akhmetova, Astana IT University, Kazakhstan Knowledge Graph-Based Approach to Curriculum-Level Learning Path Construction: Methodology and Initial Results
ID 140	1. Dilyara Kadirbekova, Astana IT University, Kazakhstan 2. Aknur Didarkyzy, Nazarbayev Intellectual School of IB, Kazakhstan A Controlled Evaluation of Prompting Strategies and Model Scale for Structured Information Extraction from OCR-Extracted Receipt Text
ID 145	1. Daniil Gabrielyan, Astana IT University, Kazakhstan 2. Roman Temerev, Astana IT University, Kazakhstan 3. Almas Alzhanov, Astana IT University, Kazakhstan Evaluating Recurrent and Attention-Based Architectures for Hydrological Streamflow Prediction
ID 100	1. Bekzat Ashirbek, Astana IT University, Kazakhstan 2. Arlan Mirseiit, Astana IT University, Kazakhstan 3. Amir Nurseit, Astana IT University, Kazakhstan 4. Anar Rakhimzhanova, Astana IT University, Kazakhstan Physics-Informed Neural Networks for Predicting Caspian Sea Level Variations: A Comparative Study of Water-Balance, Budyko, and Energy-Balance Constraints
10:00 13:00	TRACK 4. COMPUTATIONAL INTELLIGENCE (Room 2) https://us06web.zoom.us/j/82683873964?pwd=d710hzCJSLsnyxm4m9cqdzupsOOlsS.1 Muslim Sergaziyev, PhD, Associate Professor (Chair) Beibit Abdikenov, PhD, Assistant Professor Temirlan Karibekov, Doctor of Medical Sciences Section Secretary –Tomiris Bekdauletova Venue – C.1.2.123

ID 10	1. Daniyar Koishin, Astana IT University, Kazakhstan 2. Tamara Zhukabayeva, Astana IT University, Kazakhstan A Leakage-Corrected Reassessment of Metadata Fusion for Six-Class Political Disinformation Detection on the LIAR Benchmark
ID 14	1. Damir Assainov, Astana IT University, Kazakhstan 2. Tamara Zhukabayeva, L.N. Gumilyov Eurasian National University, Kazakhstan Comparative Evaluation of Closed-Vocabulary and Open-Vocabulary Object Detection Models for Accessibility Tasks
ID 19	1. Ali Ramazan, Astana IT University, Kazakhstan 2. Aizhan Nazyrova, Astana IT University, Kazakhstan 3. Zhanar Lamasheva, Astana IT University, Kazakhstan Behavior-Aware Adaptive Course Recommendation Using Sequential Self-Attentive Deep Learning
ID 26	1. Izbassar Orynassar, Atyrau University named after Kh. Dosmukhamedov, Kazakhstan When a Higher F1 Means Weaker Security: Rethinking Class-Imbalance Strategies for Gradient-Boosted IoT Intrusion Detection on CICIOT2023
ID 54	1. Daniil Gabrielyan, Astana IT University, Kazakhstan Multi-Axis Verifiable and Executable Reasoning with Intelligent Cognitive Kernels
ID 60	1. Angsar Shaumen, Astana IT University, Kazakhstan 2. Samat Kassabek, Astana IT University, Kazakhstan Noise Preprocessing for Physics-Informed Neural Networks in Inverse Stefan Problems: A Cross-Benchmark Study
ID 62	1. Amirkhan Botagariyev, Astana IT University, Kazakhstan 2. Zhanar Oralbekova, Astana IT University, Kazakhstan When Do Machine-Learning Models Beat GARCH? Regime-Dependent Volatility Forecasting for the USD/KZT Rate
ID 65	1. Abylaikhan Zhuzbayev, Astana IT University, Kazakhstan 2. Zhanar Oralbekova, Astana IT University, Kazakhstan LLM-Based Human-in-the-Loop System for Mental Health Support and Risk Signal Monitoring
ID 66	1. Zhanna Saduakassova, Astana IT University, Kazakhstan 2. Svitlana Biloshchytska, Astana IT University, Kazakhstan Multimodal Emotion Classification in Children's Drawings Using Hybrid Artificial Intelligence Models
ID 67	1. Altynay Yertay, Astana IT University, Kazakhstan 2. Kuanysh Bakirov, L.N. Gumilyov Eurasian National University, Kazakhstan 3. Aruzhan Shoman, Astana IT University, Kazakhstan Digital Twin Benchmarking of Microclimate Control for IoT Hydroponic Grow-Boxes: A Two-Period Evaluation of Threshold, Correlation-Aware, and Q-Learning Strategies
ID 73	1. Anuar Baitulakov, Astana IT University, Kazakhstan 2. Kemal Kapysh, Astana IT University, Kazakhstan 3. Alidar Asset, Astana IT University, Kazakhstan Distributed PID Control with Topology-Aware Graph Neural Network Coordination: Design, Stability Analysis, and Simulation
ID 74	1. Akmaral Kuatbayeva, Astana IT University, Kazakhstan 2. Tomiris Alimova, Astana IT University, Kazakhstan Symbolic Regression via Genetic Programming for Interpretable Body-Fat Estimation: A Comparison With Black-Box Models and Anthropometric Equations

10:00 13:00	TRACK 4. COMPUTATIONAL INTELLIGENCE (Room 3) https://us06web.zoom.us/j/88490743088?pwd=uQwPA6tDeNPv0454FNUbWGDaqzbr2I.1 Muslim Sergaziyev, PhD, Associate Professor (Chair) Beibit Abdikenov, PhD, Assistant Professor Temirlan Karibekov, Doctor of Medical Sciences Section Secretary – Kamila Batkuldinova Venue – C.1.2.124
ID 80	1. Parasat Zhappasbay, Astana IT University, Kazakhstan 2. Oleksandr Kuchanskyi, Astana IT University, Kazakhstan; National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”, Ukraine Leak-Free Cross-Sectional Stock Return Ranking Using a Gated BiLSTM–Transformer Architecture
ID 88	1. Olga Ten, Astana IT University, Kazakhstan 2. Svitlana Biloshchytska, Astana IT University, Kazakhstan Hybrid Stacking Framework for NHL Match Outcome Prediction Using Statistical, Sequential, and Graph-Based Representations
ID 101	1. Assanali Rymgali, Astana IT University, Kazakhstan AutoML 2.0 Meta-Learning Module for Automated Warm-Start Hyperparameter Optimization of BiLSTM Classifiers in Human Activity Recognition
ID 111	1. Tomiris Alimova, Astana IT University, Kazakhstan 2. Bakdaulet Dagystanov, Astana IT University, Kazakhstan 3. Zhanar Akhmetova, Astana IT University, Kazakhstan Cross-Lingual Asymmetry in Iterative Self-Correction of Large Language Models
ID 116	1. Md Jahidul Islam Rana, Al-Farabi Kazakh National University, Kazakhstan 2. Rahim Ahmed Druba, Al-Farabi Kazakh National University, Kazakhstan 3. Irshad Ahmad Oruzgani, Al-Farabi Kazakh National University, Kazakhstan Hybrid CNN-GAT Fusion for Facial Emotion Recognition Using Appearance and Landmark Geometry
ID 121	1. Izbassar Orynbasar, Atyrau University named after Kh. Dosmukhamedov, Kazakhstan 2. Assylbek Gizatov, Atyrau University named after Kh. Dosmukhamedov, Kazakhstan Cross-Dataset Generalization in ECG Arrhythmia Classification: Quantifying Two Sources of Over-Optimism
ID 130	1. Khantemir Kalen, Astana IT University, Kazakhstan 2. Nurbergen Zhanaidar, Astana IT University, Kazakhstan The Role of Computer Technologies in Stress-Testing Urban Rail Transit: A Digital Twin of the Astana LRT
ID 131	1. Amirsultan Shakenov, Astana IT University, Kazakhstan 2. Ainur Zhumadillayeva, L.N. Gumilyov Eurasian National University, Kazakhstan Comparing Multimodal Fusion Strategies for Alzheimer’s Disease Detection Using Structural MRI and FDG-PET
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TECHNICAL SESSIONS
22 October (Thursday)
(Time zone UTC+5, Astana time)

Venue: Astana IT University

Online: Zoom session

<https://us06web.zoom.us/j/86968114941?pwd=LFvqSUd1QJeanWtzjFzSLohH3wfeUI.1>

12.00-13.00	Conference results and closing

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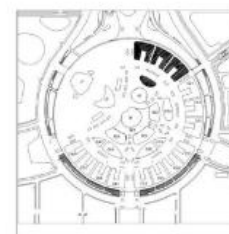
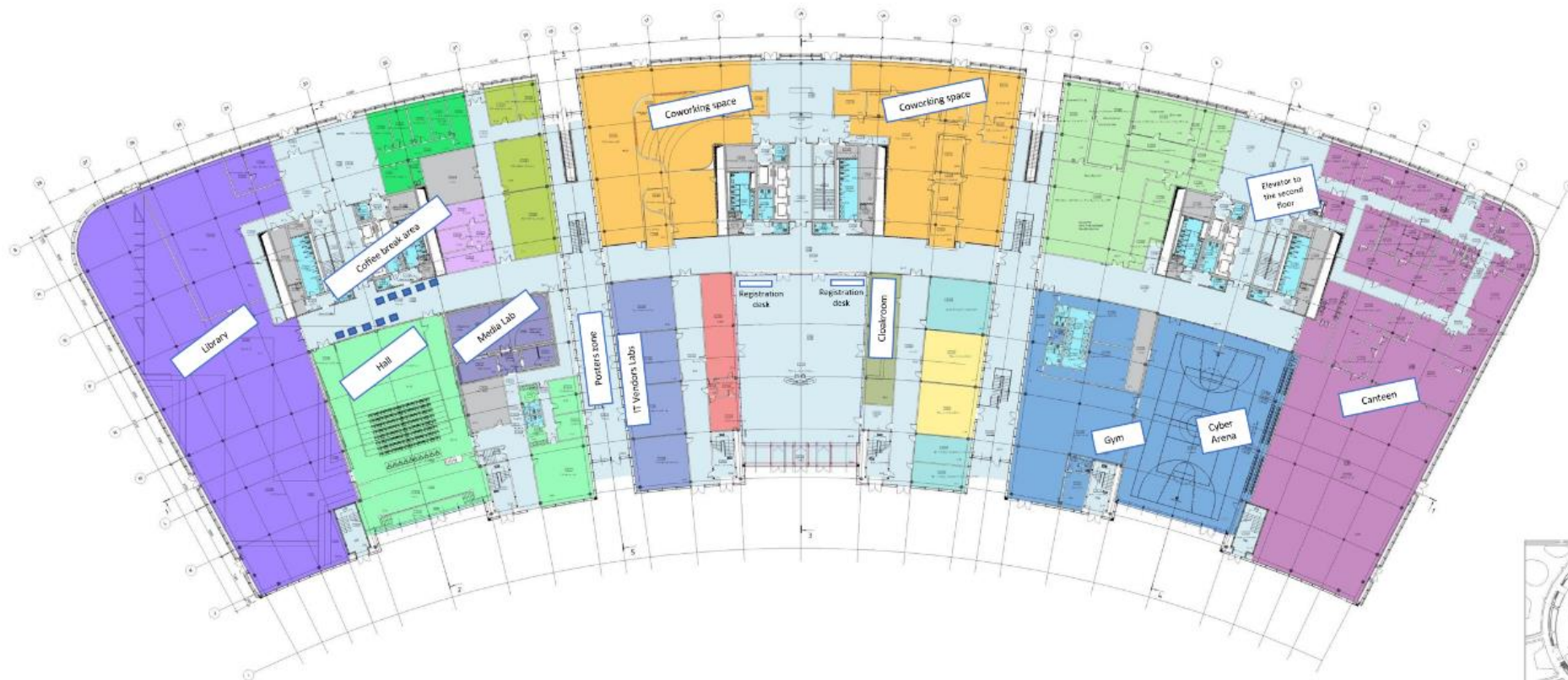
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 Центр инновационных технологий	 Зона столовой	 Студенческий клуб и студии	 Хозяйственный департамент	 Коридоры	 Центр обслуживания студентов

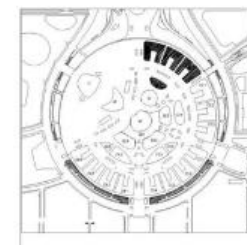
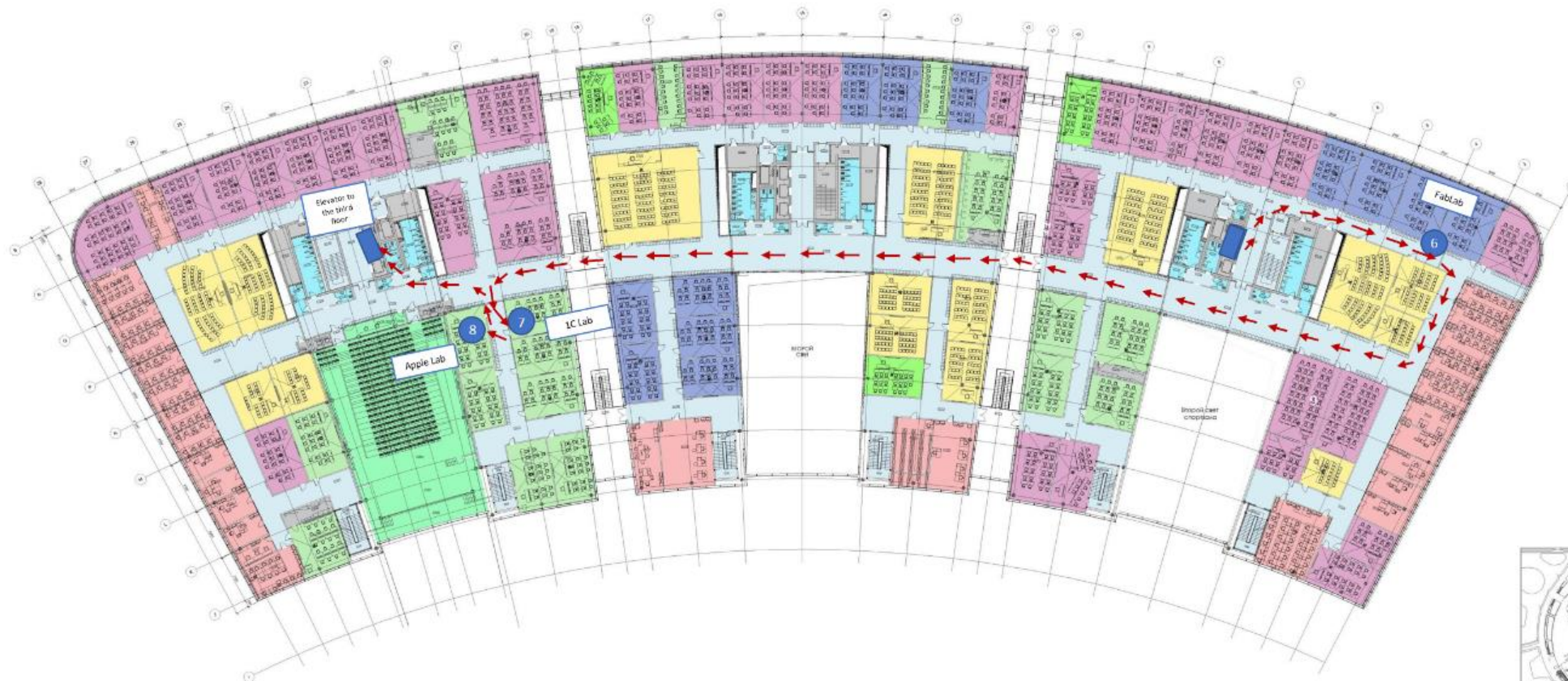
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Условные обозначения

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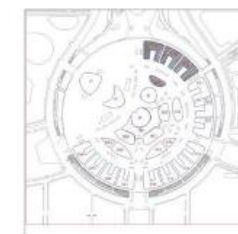
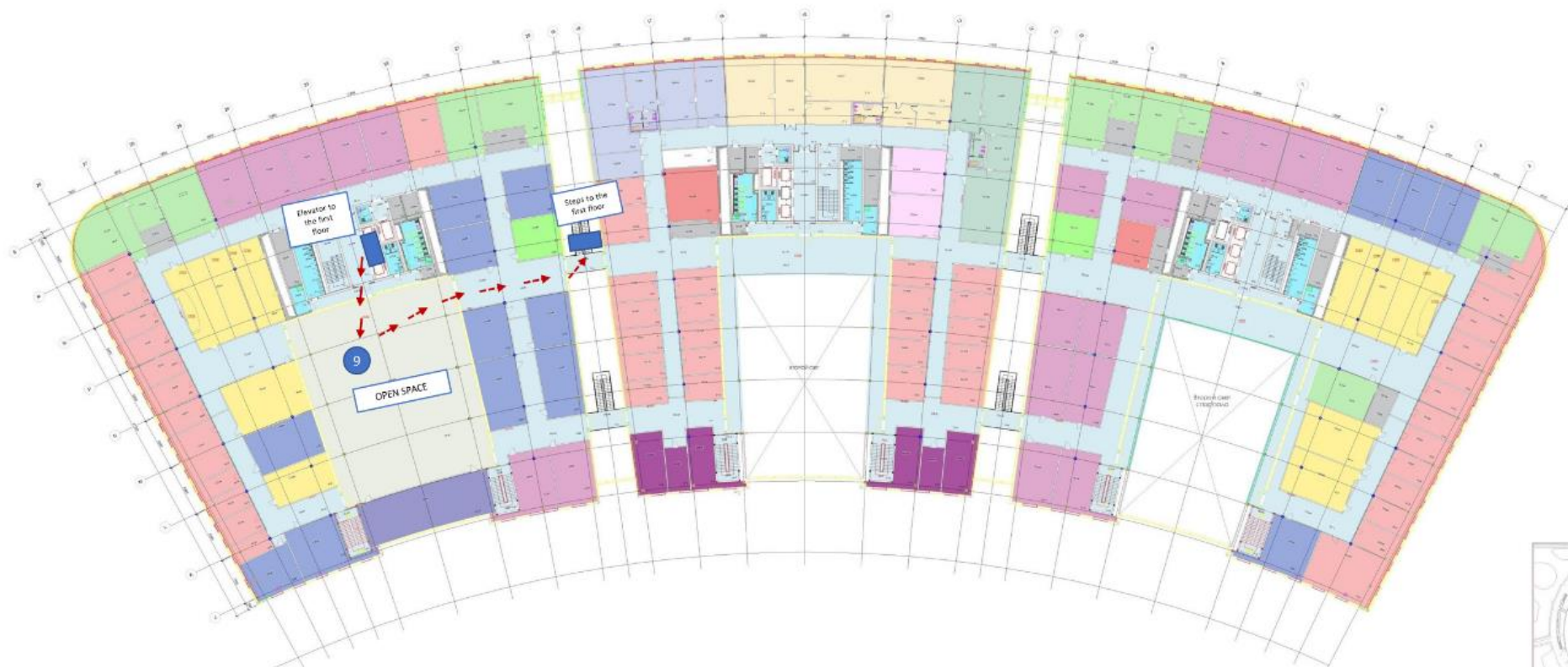
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