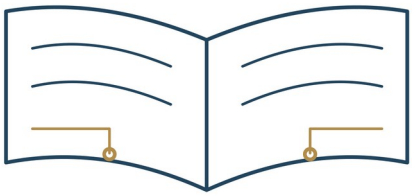
4 November 2026 · Almaty

2026 жылғы 4 қараша · Алматы

International Conference 06

Education and Training of Scientific, Technical and Engineering Personnel Modern Approaches and Technologies

Ғылыми-техникалық және инженерлік-техникалық кадрларды даярлау
Заманауи тәсілдер мен технологиялар



International Engineering and Technological University

Халықаралық инженерлік-технологиялық университет

Assembly Hall, Academic Building 1
93г/5 Al-Farabi Avenue, Almaty

Акт залы, № 1 оқу корпусы
Алматы қаласы, Әл-Фараби даңғылы, 93г/5

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Plenary Session / Пленарлық отырыс

Venue **Өтетін орны**	Assembly Hall, Academic Building 1, METU Акт залы, № 1 оқу корпусы, МИТУ
Moderator **Модератор**	**Akpanbetov Darkhan B.**
Secretary **Хатшы**	**Ibraikhan Akniyet T.**

Time Уақыт	Event Іс-шара
08:30–09:00	**Reception of Participants and Guests** Қатысушылар мен қонақтарды қарсы алу
09:00–09:15	**Opening Remarks by the Moderators. Introduction of Guests.** Модераторлардың кіріспе сөздері. Қонақтарды таныстыру.
09:15–09:35	**Research and Innovation at METU: Integrating Science and Engineering Education** ХИТУ-дағы ғылыми зерттеулер мен инновациялар: ғылым мен инженерлік білімнің ықпалдасуы **Karuna Oksana L. / Каруна Оксана Леонидовна** Vice-Rector for Science, Innovation Policy and Marketing, METU; Corresponding Member of NEA RK ХИТУ-дың ғылым, инновациялық саясат және маркетинг жөніндегі проректоры, ҚР ҰИА корреспондент-мүшесі
09:35–09:55	**Engineering Education for the Future: Integration of Artificial Intelligence, Robotics and Advanced Engineering Technologies** Болашақтың инженерлік білімі: жасанды интеллект, робототехника және озық инженерлік технологияларды интеграциялау **Jacek Cieślik / Яцек Цеслик** Professor, AGH University of Krakow, Poland Профессор, Краковтың AGH университеті, Польша
09:55–10:15	**Hybrid Ground–Aerial Robots for Inspection of Oil, Gas and Renewable Energy Facilities** Мұнай-газ және жаңартылатын энергетика нысандарын тексеруге арналған гибридті жерүсті-әуе роботтары **Yan Chuanchao / Янь Чуаньчао** Professor, China University of Petroleum, China Профессор, Қытай мұнай университеті, Қытай

Time Уақыт	Event Іс-шара
10:15–10:35	**Computer Simulation of Powertrain Dynamics and NVH of Transportation Vehicles with AVL EXCITE™: Capabilities and Perspectives of its Use at Universities and in Automotive and Heavy Industries of Kazakhstan** AVL EXCITE™ көмегімен көлік құралдарының күштік агрегаттары динамикасын және шу, діріл мен қатаңдық (NVH) сипаттамаларын компьютерлік модельдеу: Қазақстан университеттерінде, автомобиль және ауыр өнеркәсібінде қолдану мүмкіндіктері мен перспективалары **Tigran Parikyan / Парикян Тигран Феликсович** Director, Center for Research and Education in Mechanisms and Machines; Principal Software Development Engineer, AVL List GmbH, Graz, Austria Механизмдер мен машиналар саласындағы зерттеулер және білім беру орталығының директоры; AVL List GmbH бағдарламалық қамтылым әзірлеу жөніндегі жетекші инженері, Грац, Австрия
10:35–10:55	**Modern Approaches to Personnel Training: The Case of Kazakhstan and METU** Кадрларды даярлаудағы заманауи тәсілдер: Қазақстан және ХИТУ тәжірибесі **Abdildaeva Asel A. / Абдилдаева Асель Асылбековна** Vice-Rector for Academic Affairs and International Relations METU, Kazakhstan Академиялық жұмыс және халықаралық байланыстар жөніндегі проректор ХИТУ, Қазақстан
10:55–11:15	**Closing of the Conference Plenary Session.** Конференцияның пленарлық отырысының аяқталуы.

Parallel Sessions

No.	Session	Moderator	Venue
1	Artificial Intelligence, Software Engineering and Digital Systems Security	Bektas Ganiyevich Bostanov	METU Assembly Hall, Academic Building 1, METU
2	Digital Engineering Education and Applied Technologies	Murat Kyrgyzbayevich Baktybaev	METU Room 22, 2nd Floor, Academic Building 1, METU

Both sessions start at 11:30. Presentations: 10 minutes, followed by 5 minutes for questions and speaker change. Lunch: 13:00–14:00. Joint break: 15:15–15:30. On-site presentations are followed by online presentations.

Session 1

Artificial Intelligence, Software Engineering and Digital Systems Security

Moderator: Bektas Ganiyevich Bostanov
Candidate of Sciences (Education), Head of the Department of Software Engineering

Secretary: Laura Kurmangaziyevna Demeubaeva

Venue: Assembly Hall, Academic Building 1, METU

Time / Format	Authors / Affiliation	Presentation Title
11:30–11:45 On-site	**Kairat Rsymbetov**, Associate Professor L. N. Gumilyov Eurasian National University, Kazakhstan	AI_EDOO as an Intelligent Ecosystem for a Digital University
11:45–12:00 On-site	**Marina Dushenova, Ularkan Kokoloev**a, Candidate of Technical Sciences, Associate Professor I. Razzakov Kyrgyz State Technical University, Kyrgyzstan	Digital Transformation of Technical Discipline Teaching: Experience in Creating an Original Educational Environment
12:00–12:15 On-site	**Nazira Sakhimzhanovna Baimuldina** International Engineering and Technological University, Kazakhstan	Intelligent Wireless Network Resource Management during Emergency Evacuation
12:15–12:30 On-site	**Adilbek Kaliyev**, Professor, Head of the Department of Mechanics; M. D. Alimzhanov, Associate Professor L. N. Gumilyov Eurasian National University, Kazakhstan	Design and Implementation in Production of a New Airport Baggage Cart Based on Computer Modelling
12:30–12:45 On-site	**Evgeny Nikolaevich Savelyev**, Associate Professor Al-Farabi Kazakh National University	A New Concept for Forming Woven Fabric without Warp Threads
12:45–13:00 On-site	**Laura Kurmangaziyevna Demeubaeva**, PhD Student, Department of Software Engineering International Engineering and Technological University, Kazakhstan	Predicting the Dynamics of Hazardous Areas in Buildings to Manage Evacuation Routes during Emergencies
13:00–14:00	Lunch Break	
14:00–14:15 On-site	**Aigul Nasirdinova**, Associate Professor, I. Razzakov Kyrgyz State Technical University, Kyrgyzstan; Ondasyn Isakov, Doctor of Technical Sciences, Professor M. Kh. Dulaty Taraz Regional University, Taraz, Kazakhstan	Training Architects of the Eco-Digital Environment

Time / Format	Authors / Affiliation	Presentation Title
14:15–14:30 On-site	**Zhasulan Turlybai** International Engineering and Technological University, Kazakhstan	Educational Data Mining for Predicting Student Academic Performance
14:30–14:45 Online	**Yerlan Uristem** International Engineering and Technological University, Kazakhstan	Generative Artificial Intelligence as a Tool for Students' Independent Acquisition of Digital Skills
14:45–15:00 Online	**Zh. Zh. Bapanova** I. Razzakov Kyrgyz State Technical University, Kyrgyzstan	Digital Assessment of Pilgrimage Heritage Sites Based on the D-I-S-C Model: A Digital Framework for the Architectural and Infrastructure Readiness of Sacred Complexes in Southern Kazakhstan
15:00–15:15 Online	**Dilnaz Aznabakiyeva, Maigul Kizatova, S. Zh. Umyanova** S. D. Asfendiyarov Kazakh National Medical University, Almaty, Kazakhstan	Prospects for the Use of Rice Bran in Pharmaceutical Manufacturing
15:15–15:30	Joint Break	
15:30–15:45 Online	**Iliyas Kalel, Maigul Kizatova** S. D. Asfendiyarov Kazakh National Medical University, Kazakhstan	Prospects for the Production of Immunomodulatory Teas in the Republic of Kazakhstan
15:45–16:00 Online	**Sayara Ruziyeva, M. Samigulina, Kh. Mahmudova** International Engineering and Technological University, Kazakhstan	Artificial intelligence and nanotechnology in stem cell therapy for neurodegenerative diseases
16:00–16:15 Online	**Sayasat Kuandyk** International Engineering and Technological University, Kazakhstan	Analysis of Deep Learning Algorithms for Predicting and Optimising Energy Consumption Using IoT Sensor Data in Smart Buildings
16:15–16:30 Online	**Tomiris Ospanova, M. Zh. Sakypbekova** International Engineering and Technological University, Kazakhstan	Application of IoT and Digital Twin Technologies in Engineering and Technical Personnel Training
16:30–16:45 Online	**Bauyrzhan Kudretbekov** International Engineering and Technological University, Kazakhstan	An Arduino Microcontroller-Based Access Control System
16:45–17:00	Discussion and Summary	

Session 2

Digital Engineering Education and Applied Technologies

Moderator: Murat Kyrgyzbayevich Baktybaev
Candidate of Sciences (Physics and Mathematics), Head of the Department of Smart Technologies in Engineering

Secretary: Ainur Maksatkyzy Tursynkhan

Venue: Room 22, 2nd Floor, Academic Building 1, METU.

Time / Format	Authors / Affiliation	Presentation Title
11:30–11:45 On-site	**Musa Aldanazarov, Ainur Tursynkhan** International Engineering and Technological University, Kazakhstan	Experience in Applying Artificial Intelligence Technologies in a Kazakhstani Agricultural Marketplace: The Case of the Agroland Platform
11:45–12:00 On-site	**Ainur Tursynkhan, Musa Turdalyuly** International Engineering and Technological University; META University, Kazakhstan	The Effect of Different Sources of Automated Supervision on Semantic Search for Scientific Documents
12:00–12:15 On-site	**Tolganai Ozbekova** International Engineering and Technological University; Gylym Ordasy, Centre for Training Scientific Personnel, Kazakhstan	Development of a Memory-Based Visual Navigation System
12:15–12:30 On-site	**Iliyas Aitbekov** International Engineering and Technological University, Kazakhstan	Application of Artificial Intelligence Technologies in Programming
12:30–12:45 On-site	**Nazerke Askar** International Engineering and Technological University, Kazakhstan	Predictive Modelling of Optimal Cancer Treatment Using Data Analysis Methods
12:45–13:00 On-site	**Raiymbek Kairolla** International Engineering and Technological University, Kazakhstan	Selecting a Neural Network Chatbot Architecture for Digital Banking Customer Service: Comparative Analysis of Approaches and an Evaluation Methodology
13:00–14:00	Lunch Break	
14:00–14:15 On-site	**Berdi Yelemes** International Engineering and Technological University, Kazakhstan	Development of an Information Security Threat Prediction Model for Education and Science Systems
14:15–14:30 On-site	**Ilkhamzhan Asimov** International Engineering and Technological University, Kazakhstan	Blockchain Technologies in Electronic Voting Systems: Security and Transparency

Time / Format	Authors / Affiliation	Presentation Title
14:30–14:45 Online	**Olzhas Mukhanbetzhan** International Engineering and Technological University, Kazakhstan	Development of a Natural Language Processing Pipeline for Analysing Kazakh-Language Texts
14:45–15:00 Online	**Adilet Aldabergenov** International Engineering and Technological University, Kazakhstan	Application of Artificial Intelligence in Healthcare for Big Data Analysis
15:00–15:15 Online	**Beksultan Shaikhy** International Engineering and Technological University, Kazakhstan	Using Big Data to Analyse Consumer Behaviour in E-Commerce
15:15–15:30	Joint Break	
15:30–15:45 Online	**Bauyrzhan Makhsudov** International Engineering and Technological University, Kazakhstan	Development of a Recommendation System for E-Commerce Platforms
15:45–16:00 Online	**Sultan Sailaubayev** International Engineering and Technological University, Kazakhstan	A Prototype Decentralised Identity Verification System Based on Blockchain and Zero-Knowledge Proofs
16:00–16:15 Online	**Bibarys Kulmyrza** International Engineering and Technological University, Kazakhstan	Evaluating the Effectiveness of Financial Process Automation Using Software Solutions
16:15–16:30 Online	**Bekzat Chauvbayev** International Engineering and Technological University, Kazakhstan	Design and Development of Cross-Platform Mobile Applications
16:30–16:45	Discussion and Summary	

Contributions Included in the Book of Abstracts

Session 1

Artificial Intelligence, Software Engineering and Digital Systems Security

Authors / Affiliation	Title of Contribution
Kairat Rsymbetov, Associate Professor L. N. Gumilyov Eurasian National University, Kazakhstan	AI_EDOO as an Intelligent Ecosystem for a Digital University
Marina Dushenova, Ularkan Kokoloeva, Candidate of Technical Sciences, Associate Professor I. Razzakov Kyrgyz State Technical University, Kyrgyzstan	Digital Transformation of Technical Discipline Teaching: Experience in Creating an Original Educational Environment
Aigul Nasirdinova, Associate Professor; Ondasyn Isakov, Doctor of Technical Sciences, Professor M. Kh. Dulaty Taraz Regional University, Taraz, Kazakhstan	Training Architects of the Eco-Digital Environment
Adilbek Kaliyev, Professor, Head of the Department of Mechanics; M. D. Alimzhanov, Associate Professor L. N. Gumilyov Eurasian National University, Kazakhstan	Design and Implementation in Production of a New Airport Baggage Cart Based on Computer Modelling
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Session 2

Digital Engineering Education and Applied Technologies

Authors / Affiliation	Title of Contribution
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Ainur Tursynkhan, Musa Turdalyuly International Engineering and Technological University; META University, Kazakhstan	The Effect of Different Sources of Automated Supervision on Semantic Search for Scientific Documents
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Conference 6

International Engineering and Technological University, 93г/5 Al-Farabi Avenue, Almaty

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