

PROGRAM

of the XI International Scientific and
Technical Conference of students,
undergraduates, doctoral students and
young scientists



"Creativity of the young for the innovative
development of Kazakhstan", dedicated to the
80th anniversary of Professor Zhenis Kulseitov



April 10 - 11, 2025



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9:00 – 10:00 - CDIO Engineering Projects Exhibition

Location: Foyer in front of the Column Hall

10:00 – 12:30 - Plenary Session of the 11th International Scientific and Technical Conference of Students, Master's and PhD Candidates, and Young Scientists "Youth Creativity for the Innovative Development of Kazakhstan", dedicated to the 80th anniversary of Professor Zh. Kulseitov

Zoom: <https://us06web.zoom.us/j/87102080275?pwd=ceaVMVqrCA1i1hTRigjJCunxSgl9mS.1>

Conference ID: 871 0208 0275

Access code: 921513

9:00 – 9:50 Conference registration via QR code

10:00 – 10:05 Moderator
ZHADYRA KONURBAYEVA
Member of the Board – Vice Rector for Science and Innovation
D. Serikbayev East Kazakhstan Technical University

10:05 – 10:10 Video «Professor Zhenis Kulseitov»

10:10 – 10:20 Welcome Address
SAULE RAKHMETULLINA
Chairman of the Board – Rector
D. Serikbayev East Kazakhstan Technical University

10:20 – 10:30 Welcome Address
KAIRAT MUSIN
Graduate of "Road Traffic Organization" program
General Director of KM Group of Companies
President of the Alumni Association of UKSDI - EKTU

10:30 – 10:40 **ASIYA MASHEKHENOVA**
Member of the Board – Vice-Rector for Academic Affairs
D. Serikbayev East Kazakhstan Technical University
Presentation Title: «Lu Ban Workshop»



NAZERKHE ISAGALI

10:40 – 10:55 1st-year Master's student | Educational Program 7M07302 – Geodesy
Presentation Title: "Study of Landslide Activity in East Kazakhstan Region"
Research Advisor: Marzhan E. Rakhymberdina, PhD, Dean of the School of Earth Sciences

DAVID BOROZONETS

10:55 – 11:10 4th-year undergraduate student | Degree Program 6B06103 – Mathematical and Computer Modeling
 Winner, "Best Student-2024" International Competition for CIS Countries
Presentation Title: "Application of AI Algorithms for Diagnostics of Clinical and Hematological Syndromes"
Research Advisor: Indira M. Uvalieva, PhD, Associate Professor

LEONID IZMAILOV

11:10 – 11:25 4th-year undergraduate student | Degree Program 6B05301 – Technical Physics
Presentation Title: "Development of Shape Memory Alloys via High-Energy Ball Milling of NiTiCu-Based Powders"
Research Advisor: Yernat A. Kozhakhmetov, PhD, Head of the "VERITAS" Center of Excellence

ANEL RINATOVA

11:25 – 11:40 2nd-year Master's student | Degree Program 7M04106 – Accounting and Audit in Enterprises
Presentation Title: "Application of International Audit Standards in Healthcare: Challenges and Opportunities for Financial Oversight"
Research Advisor: Elvira S. Nurekenova, PhD in Economics, Professor

ANDREY BABICHEV

11:40 – 11:55 2nd-year Master's student | Degree Program 7M07305 – Construction
Presentation Title: "Digitalization of Design and Construction Documentation for University Academic Buildings"
Research Advisor: Alexander V. Khapin, PhD in Technical Sciences, Professor

SAYAT ZAKEROV

11:55 – 12:10 2nd-year Master's student | Degree Program 7M05301 – Technical Physics
Presentation Title: "Synthesis of Ni-Al-Ti System Intermetallic Compounds via Mechanochemical Method: Variation of Component Ratios"
Research Advisor: Yernat A. Kozhakhmetov, PhD, Director of "VERITAS" Center of Excellence



12:30 – 14:30 – Lunch Break

Location: Presidential Office

14:30 – 17:30

Tour of University Research Centers and Laboratories

Time, minutes	Research Centers and Laboratories Tour
Transfer to Building No. 1 (Protozanova 69)	
14:40-15:40 (60 min)	«Lu Ban Workshop»
Transfer to Main Building (Serikbayev 19)	
15:50-16:10 (20 min)	«Smart engineering» Competence Center
16:10-16:20 (10 мин)	Scientific Center «Protective and Functional Coatings»
16:20-16:35 (15 min)	Center for Competence and Technology Transfer in Construction
16:35-16:50 (15 min)	«INDUSTRIAL AI» Competence Center Center for Competence and Technology Transfer in Information Technologies
16:55-17:15 (20 min)	Laboratories of the Kazakh-German Institute of Science and Technology
17:15-17:30 (15 min)	«VERITAS» Center of Excellence

18.00 - DINNER

HOLDING A SECTION MEETING

Time, minutes	Section Titles
«The Impact of Artificial Intelligence on Modern Engineering»	
11.04.2025 10:00 I-204 (Protozanova 69)	<i>Subsection «Mechanics and Metalworking in Mechanical Engineering»</i> Chairman: R. Gabdysalyk, PhD, Associate Professor of the International School of Engineering Secretary: M.Torekhanova, Senior Lecturer of the International School of Engineering
11.04.2025 11:00 G3-216	<i>Subsection «Metallurgy and Mineral Processing»</i> Chairman: G.Reutova, PhD in Technical Sciences, Associate Professor of the International School of Engineering Secretary: L.Liakin, Senior Lecturer of the International School of Engineering
11.04.2025 14:00 G1-311	<i>Subsection «Mathematics and Computer Engineering»</i> Chairman: Zh.Demeubayeva, Senior Lecturer of the International School of Engineering Secretary: A. Seriktayeva, Lecturer of the International School of Engineering
11.04.2025 10:00 G1-302	<i>Subsection «Technical Physics and Materials Science»</i> Chairman: L. Bayatanova, PhD, Associate Professor of the International School of Engineering Secretary: Sh. Anuarbekova, Lecturer of the International School of Engineering
11.04.2025 10:00 I-210 (Protozanova 69)	<i>Subsection «Transport Systems and Vehicle Technologies»</i> Chairman: M. Muzdybaev, PhD in Technical Sciences, Professor of the International School of Engineering Secretary: V. Yakovlev, Lecturer of the International School of Engineering
«Emerging Applications of Artificial Intelligence in Energy Sector»	
10.04.2025 14.00 - 16.00 G1-217	Chairman: A. Akaev PhD, Dean of the School of Architecture, Construction and Energy Secretary: A.Kunapyanova, Senior Lecturer of the School of Architecture, Construction and Energy



HOLDING A SECTION MEETING

Time, minutes	Section Titles
«Artificial Intelligence in Construction and Architecture»	
10.04.2025 14.00 - 17.00 G2-417	<i>Subsection "Civil Engineering: Road Construction, Building Materials and Structures"</i> Chairman: A.Khapin, PhD in Technical Sciences, Professor of the School of Architecture, Construction and Energy Secretary: A. Aitkazina, Senior Lecturer of the School of Architecture, Construction and Energy
11.04.2025 9.00 - 13.00 G2-417	
11.04.2025 10:00 - 12.00 G2-106	<i>Subsection "Engineering Systems and Networks"</i> Chairman: V. Kolpakova, Doctor of Technical Sciences, Associate Professor of the School of Architecture, Construction and Energy Secretary: Yu. Ereemeeva, PhD in Technical Sciences, Senior Lecturer of the School of Architecture, Construction and Energy
10.04.2025 15.00 - 17.00 G2-210	<i>Subsection «Tradition, Heritage and Innovation in Architecture»</i> Chairman: A. Bukhantseva, Lecturer of the School of Architecture, Construction and Energy Secretary: T. Borisova, Lecturer of the School of Architecture, Construction and Energy
«Prospects and Trends in the Development of Artificial Intelligence Technologies»	
11.04.2025 11.00 G1-415	<i>Subsection «Current Issues and Prospects for the Implementation of IT and AI»</i> Chairman: S Kumargazhanova, PhD, Professor of the School of Digital Technologies and Artificial Intelligence Secretary: Sh.Tezekpaeva, Senior Lecturer of the School of Digital Technologies and Artificial Intelligence
11.04.2025 10.00 G1-407	<i>Subsection «Automation, Radio Engineering, and Telecommunications»</i> Chairman: A Yerulanova, PhD, Senior Lecturer School of Digital Technologies and Artificial Intelligence Secretary: Zh.Yersainova, Lecturer School of Digital Technologies and Artificial Intelligence
«Artificial Intelligence in Earth Sciences: Current State and Development Trends»	
10.04.2025 14.00 G3-211	Chairman: B.Apshikur, Candidate of Technical Sciences, Professor of the School of Earth Sciences; Secretary: O.Kuzmina, PhD, Associate Professor of the School of Earth Sciences.

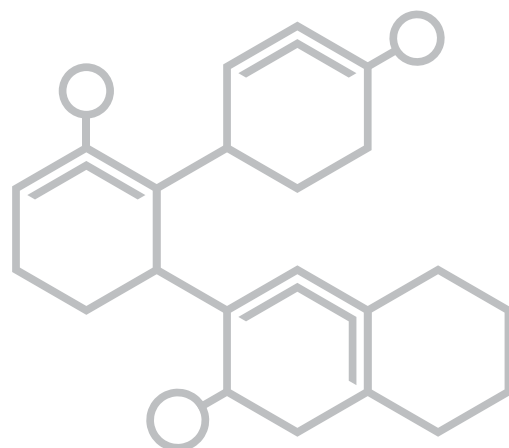


HOLDING A SECTION MEETING

Time, minutes	Section Titles
«Socio-economic and political problems of modern society in the context of the implementation of sustainable development goals and the introduction of artificial intelligence»	
10.04.2025 14.00 G1-115	<i>Subsection «Artificial Intelligence in solving socio-economic problems: achieving sustainable development goals in modern society»</i> Chairman: S. Suyeubaeva, PhD in Economics, Associate Professor of the Business School Secretary: M. Syrymbek, Lecture of the Business School
11.04.2025 10.00 G2-405	<i>Subsection «The role of social sciences and humanities in the implementation of sustainable Development Goals»</i> Chairman: Zh.Sadvakasova, Master of Philosophy, Senior lecturer of the Department "History of Kazakhstan and socio-political disciplines"; Secretary: T.Omirzak, Lecturer of the Department "History of Kazakhstan and socio-political disciplines".
«Current trends in the development of languages, physical education, sports and military science»	
10.04.2025 14.00 12 aud. 11.04.2025 G1-135 Chess Club	<i>Subsection «Physical culture, sports and Military Science»</i> Chairman: L.Baydeldinova, Senior-coach and teacher of the Center for Health and Sports; Secretary: G.Sychevais, Senior-coach and teacher of the Center for Health and Sports.
10.04.2025 14.00 G2 - 306 G2 - 312	<i>«Languages» Subsection</i> Chairman: L.Khasenova, Head of the Language Competence Center; Secretary: I.Karelova, Senior lecturer of the Language Competence Center
16:00 – 17:00 – Closing of the conference Location: G1-101 auditorium	
16:00 - 16:10	ZHADYRA KONURBAYEVA Member of the Board – Vice Rector for Science and Innovation D. Serikbayev East Kazakhstan Technical University
16:10 - 17:00	Chairmen of the sections

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