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2024 IEEE 4TH INTERNATIONAL CONFERENCE ON SMART INFORMATION SYSTEMS AND TECHNOLOGIES

> **CONFERENCE PROGRAM**

ORGANIZERS



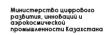
















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May 15-17, 2024 Astana, Kazakhstan



2024 IEEE 4th International Conference on Smart Information Systems and Technologies (SIST)

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Sayasat Nurbek, Minister of Science and Higher Education of the Republic of Kazakhstan, *Kazakhstan*

Prof. Darkhan Akhmed-Zaki, Vice-Minister of Science and Higher Education of the Republic of Kazakhstan, Doctor of Technical Sciences, Professor, *Kazakhstan* **Svetlana Murzabekova,** Director of the Public Foundation "Education Fund of Nursultan Nazarbayev", Candidate of Economic Sciences, IPMA, MBA, *Kazakhstan*

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Prof. Ievgen Pichkalov, IEEE Ukraine Section Chair, Ukraine

Prof. Carlo Molardi, IEEE Kazakhstan Sub-Section Chair, Kazakhstan

2024 IEEE 4th International Conference on Smart Information Systems and Technologies (SIST) Astana IT University

55/11 Mangilik Yel av., EXPO Pavilion, Block C1 Astana, Kazakhstan

CONFERENCE PROGRAM

15 May (Wednesday)	
09:30 - 10:00Welcome coffeeNear the Assembly Hall10:00 - 12:30Official opening, Plenary sessionoffline - online Assembly Hall Conference participants13:00 - 14:30Lunch14:30 - 18:00Concert programAssembly Hall19:00Gala dinner16 May (Thursday)09:00 - 10:00Participants registrationoffline - online09:30 - 10:00Welcome coffeeNear the Assembly Hall10:00 - 12:00Plenary sessionAssembly Hall12:00 - 13:00University tour, excursion13:00 - 14:30Lunch14:30 - 16:00Section presentationsLaboratories of vendors Conference participants16:00 - 16:20Coffee break16:20 - 18:00Section presentationsLaboratories of vendors Conference participants19:00City tour (optional)	
10:00 -12:30 Official opening, Plenary session Offline - online Assembly Hall Conference participants 13:00 - 14:30	
Plenary session Assembly Hall Conference participants 13:00 – 14:30 Lunch 14:30 – 18:00 Concert program Assembly Hall 19:00 Gala dinner 16 May (Thursday) 09:00 – 10:00 Participants registration 09:30 – 10:00 Welcome coffee Near the Assembly Hall 10:00 – 12:00 Plenary session Assembly Hall Conference participants 12:00 – 13:00 University tour, excursion 13:00 – 14:30 Lunch 14:30 – 16:00 Section presentations Laboratories of vendors Conference participants 16:00 – 16:20 Coffee break 16:20 – 18:00 City tour (optional)	
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16:00 – 16:20Coffee break16:20 – 18:00Section presentationsLaboratories of vendors Conference participants19:00City tour (optional)	
16:20 – 18:00Section presentationsLaboratories of vendors Conference participants19:00City tour (optional)	
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19:00 City tour (optional)	
17 May (Friday)	
09:00 – 10:00 Participants registration offline – online	
09:30 – 10:00 Welcome coffee Near the Assembly Hall	
10:00 – 13:00 Plenary session Assembly Hall	
Conference participants	
13:00 – 14:30 Lunch	
14:30 – 16:00 Section presentations Laboratories of vendors Conference participants	
16:00 – 16:20 Coffee break	
16:20 – 18:00 Section presentations Laboratories of vendors	
Conference participants	
18:00 Plenary session: conference results. Assembly Hall	
Conference closing Conference participants	
19:00 Culture program	

PLENARY SESSION 15 May 2024 (Wednesday)

Venue: Assembly Hall, Astana IT University

Online: Zoom session (*Time zone UTC+5 Astana time)
https://us06web.zoom.us/j/89239420437?pwd=yqVcGHqu9ZDMaC3O3iihu2m7vZkjPh.1

09:00	Participants registration
09:30	Welcome coffee
10:00	Greetings
	Serik Omirbayev, Doctor of Economics, Professor, Acting Rector of Astana IT University,
	Kazakhstan
	Darkhan Akhmed-Zaki, Doctor of Technical Sciences, Professor, Vice-Minister of the
	Ministry of Science and Higher Education of the Republic of Kazakhstan, (TBC)
	Ilesanmi Adesida, PhD, Professor, Acting President of Nazarbayev University (TBC)
	Margulanuly Alkey, Deputy Executive Director of the N. Nazarbayev Foundation,
	Kazakhstan
	Abay Serikkanov, Candidate of Physical and Mathematical Sciences, Vice-president of the
	National Academy of Sciences of the Republic of Kazakhstan under the president of the
10 20 12 20	Republic of Kazakhstan, Kazakhstan
10:30-12:30	Plenary session
10:30	Michael G. Hinchey, PhD, Professor, IEEE Region 8 Director-Elect, Lero, the Science
10.45	Foundation Ireland Research Centre for Software University of Limerick (Limerick, Ireland)
10:45	Elhadj Benkhelifa, PhD, Professor, Staffordshire University (UK)
11.00	«Cloud Data Governance, I Don't Mean Data Management»
11:00	Ling Tian, PhD, Professor, University of Electronic Science and Technology of China
11:15	«Knowledge Hypergraphs and Reasoning for Smart Systems» Carsten Wolff, Doctor of Engineering, Professor of Computer Science at Dortmund
11:15	University of Applied Sciences and Arts (FH Dortmund), Director of the Institute for the
	Digital Transformation of Application and Living Domains (IDiAL, Dortmund, Germany)
	«Managing the Digital Transformation with Maturity Models»
11:30	Bohdan Haidabrus, Associate Professor, IPMA, Riga Technical University (Riga, Latvia)
11.50	«Generative AI in Agile, Project and Delivery Management»
11:45	Orken Mamyrbayev, PhD, Associate Professor, Deputy Director Institute of Information
	and Computational Technologies (Almaty, Kazakhstan)
	«Method of speech recognition Kazakh language»
12:00	Kartik Derasari, Google developers expert in Cloud (India)
	«Building Multi-Modal Experiences for Your Business with Gemini»
12:15	Pakizar Shamoi, PhD, Professor, School of Information Technology and Engineering,
	Kazakh-British Technical University (Almaty, Kazakhstan)
	«Fuzzy Image Processing: Methods, Applications, and Future Directions»
13:00	Lunch
14:30-18:00	Concert program
19:00	Gala Dinner

PLENARY SESSION 16 May 2024 (Thursday)

Venue: Assembly Hall, Astana IT University
Online: Zoom session (*Time zone UTC+5 Astana time)
https://us06web.zoom.us/j/87973946235?pwd=Jg1HoHXDhBtG15apvZszYZRbNBtbaB.1

09:00	Participants registration
09:30	Welcome coffee
10:00	Greetings
2000	Askar Khikmetov, Candidate of Physical and Mathematical Sciences, Chairman of the
	Management Board – Rector of International University of Information Technology
	(Kazakhstan)
	Carlo Molardi, PhD, Assistant Professor in the Electrical and Computer Engineering
	Department at Nazarbayev University, IEEE Kazakhstan Subsection Chair (Kazakhstan)
10:00-13:00	Plenary session
10:15	Andrejs Romanovs, Dr., MBA, Associate Professor, IEEE Region 8 Professional and
	Educational Activities Chair,
	Head of Department of Modelling and Simulation at the Riga Technical University (Riga,
	Latvia)
10:30	Ardashir Mohammadzadeh, PhD, Multidisciplinary Center of Infrastructure
	Engineering, Shenyang University of Technology (Shenyang, China)
	Associate Professor at University of Bonab (Bonab, Iran)
40.45	«AI and fuzzy neural networks in automation and control systems»
10:45	Mourat A. Tchoshanov, PhD, Professor, University of Texas at El Paso (UTEP)(Texas,
	USA)
11.00	«Designing and Studying STEM Learning in Digital Age»
11:00	Mohammad Alhuyi Nazari, PhD, University of Tehran (Tehran, Iran) «Thermal Management of Electronic Devices and Applications of Intelligent Methods for
	Modeling of These Systems
11:15	Oleksandr Mitsa, Doctor of Science, Professor, Head of Department of Information
	Control Systems and Technologies, Uzhhorod National University (Uzhhorod, Ukraine)
	«A comparative study of machine learning algorithms and the prompting approach
	using GPT-3.5 turbo for text categorization»
11:30	Sergiy Bushuyev, Doctor of Technical Sciences, Professor, Head of the Department of
(online)	Project Management, Kyiv National University of Construction and Architecture (Kyiv,
	Ukraine)
	Murzabekova Svetlana, Candidate of Economic Sciences, IPMA, MBA, Director of the
	Public Foundation "Education Fund of Nursultan Nazarbayev", (Astana, Kazakhstan)
	Khusainova Maira, Candidate of Economic Sciences, IPMA, Professor, NNEF Public
	Foundation (Astana, Kazakhstan)
11.45	«Transformation of the education landscape in an AI environment»
11:45	Çetin ELMAS, Doctor, Professor, Gazi University (Ankara, Turkey)
12.00	«Artificial Intelligence in Project Management»
12:00	Excursion at Astana IT University
13:00	Lunch Section presentations
14:30-16:00	Section presentations Coffee break
16:00-16:20	
16:20-18:00	Section presentations City town (ontined)
19:00	City tour (optional)

PLENARY SESSION 17 May 2024 (Friday)

Venue: Assembly Hall, Astana IT University

Online: Zoom session (*Time zone UTC+5 Astana time) https://us06web.zoom.us/j/87696378465?pwd=AZ4m5DiXbAj3WdSvqfVNhtHMGa4Cu1.1

09:00	Participants registration
09:30	Welcome coffee
10:00-13:00	Plenary presentations
10:00	Dinh-Dung Nguyen, PhD, Professor, Le Quy Don Technical University (Hanoi, Vietnam)
	«Applications of drones in smart cities: A comprehensive overview of security
	vulnerabilities and countermeasures for data communication»
10:15	İlhami Çolak, PhD, Professor, Istinye University (Istanbul, Turkey) «Electric Vehicles»
10:30	Korhan Kayışlı, PhD, Associate Professor, Gazi University (Ankara, Turkey) «Artificial Intelligent Applications On Smart Cities»
10:45	Sergiy Bronin, Candidate of Technical Sciences, Taras Shevchenko National University
	of Kyiv (Ukraine), Associate Professor on IST department, international projects
	coordinator, Tel-Aviv University (research fellow by internship)
	«Artificial Intelligence and other smart tools in frame of Digital University»
11:00	Guangxi Lu, PhD, School of Computer Science and Engineering, UESTC (Chengdu,
	China)
	«Intelligent Drone Path Planning: An Autonomous Task Execution System Based on
11.15	Onboard Image Processing»
11:15	Dr. Huseyin Atakan Varol, PhD, Professor, School of Engineering and Digital Sciences,
	Nazarbayev University (Astana, Kazakhstan) Madina Abdrakhmanova, School of Engineering and Digital Sciences, Nazarbayev
	University (Astana, Kazakhstan)
11:30	Seref Sagiroglu, PhD, Professor at Gazi University, Director of AI & Big Data Analytics
11.50	& Security R&D Center (Ankara, Turkey)
	«Ai in Health and Turkish Brain Project»
11:45	Ibraheem Shayea, PhD, Assistant Professor, Istanbul Technical University (ITU),
	Faculty of Electrical and Electronics Engineering, Electronics & Communications
	Engineering Department (Istanbul, Turkey)
	«Drivers and Key Issues of Massive Mobile Data Traffic Growth in Mobile/Cellular
	Communication Networks»
12:00	Minsoo Hahn, PhD in Electrical Engineering, Professor of Astana IT University (Astana,
	Kazakhstan)
	«Some Audio- and Speech-related researches»
12:15	Sadok Ben Yahia, Professor, University of Southern Denmark (SDU, Odense, Denmark)
(online)	«Towards Vision-Zero: A Resilient Data-Driven framework for Road safety»
13:00	Lunch
14:30-16:00	Section presentations
16:00-16:20	Coffee break
16:20-18:00	Section presentations Planary aggions conference results. Conference eleging
18:00	Plenary session: conference results. Conference closing
19:00	Culture program

SECTION PRESENTATIONS 16 May 2024 (Thursday)

*Time zone UTC+5 Astana time

Section 1	https://us06web.zoom.us/j/83989476002?pwd=Hu9iJvTFlJbloobab8i8vqiYsVFmha.1
Section 2	https://us06web.zoom.us/j/84713191343?pwd = z5J28NEP9fy5AyLFAqamBjAhEW9aa2.11243.000000000000000000000000000000000000
Section 3	https://us06web.zoom.us/j/84200017577?pwd = tVk2tVaKBsPQEEQ13tKsFZn0U4zRfb.11200017577.pwd = tVk2tVaKBsPQEEQ13tKsFZn0U4zRfb.1120001757.pwd = tVk2tVaKBsPQEEQ13tKsFZn0U4zRfb.11200001757.pwd = tVk2tVaKBsPQEEQ13tKsFZn0U4zRfb.11200001757.pwd = tVk2tVaKBsPQEEQ13tKsFZn0U4zFb.11200001757.pwd = tVk2tVaKBsPQEEQ13tKsFZn0U4zFb.112000001757.pwd = tVk2tVaKBsPQEEQ13tKsFZn0U4zFb.11200000000000000000000000000000000000
Section 4	https://us06web.zoom.us/j/87976892745?pwd=ivO1UUTztWpb7SI8nozhChKX8kqWfp.1

00.00	
09:00	Participants registration
09:30	Welcome coffee
10:00	Greetings
10:30	Plenary presentations (Venue: Assembly Hall)
13:00	Lunch
14:30	Section presentations
14:30 16:00	SECTION 1. Technology and Engineering Management
ID 10	1) Kateryna Semenchuk, Management and Marketing State University of Intelligent Technologies and Telecommunications, Ukraine
	2) Kateryna Kolesnikova, International University of Information Technology, Kazakhstan
	3) Liubava Chernova, Admiral Makarov National University of Shipbuilding, Ukraine
	Designing of inventory control processes based on the strategy of risk pooling
	in supply chains
ID 12	Ihor Berezutskyi, Kyiv National University of Construction and Architecture, Ukraine
	2) Tetyana Honcharenko, Kyiv National University of Construction and Architecture, Ukraine
	3) Galyna Ryzhakova, Kyiv National University of Construction and Architecture, Ukraine
	4) Olha Tykhonova, Kyiv National University of Construction and Architecture, Ukraine
	5) Vadym Pokolenko, Kyiv National University of Construction and Architecture, Ukraine
	6) Illia Sachenko, Kyiv National University of Construction and Architecture, Ukraine
	Methodological Approach for Choosing Type of IT Projects management
ID 13	1) Gulzat Ziyatbekova, Al-Farabi Kazakh National University, Kazakhstan
	2) Sholpan Jomartova, Al-Farabi Kazakh National University, Kazakhstan
	3) Maksat Kalimoldayev, Al-Farabi Kazakh National University, Kazakhstan
	4) Talgat Mazakov, Al-Farabi Kazakh National University, Kazakhstan
	5) Aigerim Mazakova, Al-Farabi Kazakh National University, Kazakhstan
	6) Inkar Suleimen, Al-Farabi Kazakh National University, Kazakhstan
	Development of river flow modeling methodology

ID 22	1) Doodet Verhelthmeters C Doulsever Almete Hairenite of Douge Engineering
ID 22	1) Bagdat Kozhakhmetova, G.Daukeyev Almaty University of Power Engineering
	and Telecommunications, Kazakhstan
	Development and Research of Phased Array Antenna Control Unit for
TD 00	Educational Purposes
ID 29	1) Kateryna Lavrukhina, Kyiv National University of Construction and Architecture, Ukraine
	2) Viktoriya Tytok, Kyiv National University of Construction and Architecture, Ukraine
	3) Khrystyna Chupryna, Kyiv National University of Construction and Architecture, Ukraine
	4) Svitlana Biloshchytska, Astana IT University, Kazakhstan Kyiv National University of Construction and Architecture, Ukraine
	5) Innola Novykova, Kyiv Agrarian University of the National Academy of Agrarian Sciences of Ukraine, Ukraine
	6) Anton Maksiuta, Kyiv National University of Construction and Architecture, Ukraine
	Scientific research of the impact of globalization challenges on the process of
	innovative and informational development of cluster structures of the
	construction industry of Ukraine
ID 43	Oleksandr Terentiev, Kyiv National University of Construction and Architecture, Ukraine
	2) Olha Serpinska, Kyiv National University of Construction and Architecture,
	Ukraine
	3) Alex Zabarylo, Kyiv National University of Construction and Architecture, Ukraine
	4) Yulia Korotkikh, Kyiv National University of Construction and Architecture,
	Ukraine
	5) Pavlo Zabarylo, Kyiv National University of Construction and Architecture, Ukraine
	Development of clustering methods based on interval fuzzy sets of the second
	type and genetic algorithms
ID 47	1) D. Dung Nguyen, Le Quy Don Technical University, Vietnam
	2) Sergey Kinzhikeyev, Astana IT University, Kazakhstan
	An investigation of sensing and technologies for supporting the intelligent
	transport management system in urban area
16:00	Coffee break
16:20	SECTION 1. Technology and Engineering Management
18:00	
ID 55	1) Sapar Toxanov, Astana IT University, Kazakhstan
	2) Dilara Abzhanova, Astana IT University, Kazakhstan
	3) Andrii Biloshchytskyi, Astana IT University, Kazakhstan.
	4) Saltanat Sharipova, Astana IT University, Kazakhstan
	Development of a Method for Finding Scientific Partners Based on Document
	Clustering in the Form of Key Phrase Vectors
ID 72	1) Gulmira Bazil, G.Daukeyev Almaty University of Power Engineering and
	Telecommunications, Kazakhstan
	2) Nursultan Sultanuly, G.Daukeyev Almaty University of Power Engineering and
	Telecommunications, Kazakhstan
	Simulation of motion control of a cylindrical robot manipulator

1) Rustem Abdrakhmanov, International University of Tourism and Hospitality, Kazakhstan Optimizing Microclimate Comfort in Smart Constructions Using an Intelligent Fuzzy-PID Temperature Regulation System 1) Batyrzhan Akhmetzhanov, Astana IT University, Kazakhstan 2) Bauyrzhan Akhmetzhanov, Ministry of Internal Affairs of the Republic of Kazakhstan 3) Nurkhat Zhakiyev, Astana IT University, Kazakhstan 4) Aidos Askhatuly, Al-Farabi Kazakh National University, Kazakhstan 5) Dinara Berdysheva, Al-Farabi Kazakh National University, Kazakhstan Davelerment of a Security and Manitoring System for Server Equipment
Optimizing Microclimate Comfort in Smart Constructions Using an Intelligent Fuzzy-PID Temperature Regulation System 1) Batyrzhan Akhmetzhanov, Astana IT University, Kazakhstan 2) Bauyrzhan Akhmetzhanov, Ministry of Internal Affairs of the Republic of Kazakhstan 3) Nurkhat Zhakiyev, Astana IT University, Kazakhstan 4) Aidos Askhatuly, Al-Farabi Kazakh National University, Kazakhstan 5) Dinara Berdysheva, Al-Farabi Kazakh National University, Kazakhstan
Fuzzy-PID Temperature Regulation System 1) Batyrzhan Akhmetzhanov, Astana IT University, Kazakhstan 2) Bauyrzhan Akhmetzhanov, Ministry of Internal Affairs of the Republic of Kazakhstan 3) Nurkhat Zhakiyev, Astana IT University, Kazakhstan 4) Aidos Askhatuly, Al-Farabi Kazakh National University, Kazakhstan 5) Dinara Berdysheva, Al-Farabi Kazakh National University, Kazakhstan
1) Batyrzhan Akhmetzhanov, Astana IT University, Kazakhstan 2) Bauyrzhan Akhmetzhanov, Ministry of Internal Affairs of the Republic of Kazakhstan 3) Nurkhat Zhakiyev, Astana IT University, Kazakhstan 4) Aidos Askhatuly, Al-Farabi Kazakh National University, Kazakhstan 5) Dinara Berdysheva, Al-Farabi Kazakh National University, Kazakhstan
 2) Bauyrzhan Akhmetzhanov, Ministry of Internal Affairs of the Republic of Kazakhstan 3) Nurkhat Zhakiyev, Astana IT University, Kazakhstan 4) Aidos Askhatuly, Al-Farabi Kazakh National University, Kazakhstan 5) Dinara Berdysheva, Al-Farabi Kazakh National University, Kazakhstan
Kazakhstan 3) Nurkhat Zhakiyev, Astana IT University, Kazakhstan 4) Aidos Askhatuly, Al-Farabi Kazakh National University, Kazakhstan 5) Dinara Berdysheva, Al-Farabi Kazakh National University, Kazakhstan
3) Nurkhat Zhakiyev, Astana IT University, Kazakhstan 4) Aidos Askhatuly, Al-Farabi Kazakh National University, Kazakhstan 5) Dinara Berdysheva, Al-Farabi Kazakh National University, Kazakhstan
4) Aidos Askhatuly, Al-Farabi Kazakh National University, Kazakhstan 5) Dinara Berdysheva, Al-Farabi Kazakh National University, Kazakhstan
5) Dinara Berdysheva, Al-Farabi Kazakh National University, Kazakhstan
Development of a Conveity and Manitaging System for Convey Equipment
Development of a Security and Monitoring System for Server Equipment
Utilizing IoT Technologies
ID 180 1) Serik Igbayev, Astana IT University, Kazakhstan
2) Aiman Kadyrova, Astana IT University, Kazakhstan
3) Anel Malik, Astana IT University. Kazakhstan
Strategies for digital transformation: Case study for Astana IT University
ID 195 1) Hanna Shpakova, Kiev National University of Construction and Architecture,
Ukraine
2) Andrii Biloshchytskyi, Astana IT University, Kazakhstan
3) Iurii Chupryna, Kyiv National University of Construction and Architecture,
Ukraine
4) Myroslava Zinchenko, Kyiv National University of Construction and
Architecture, Ukraine
5) Iryna Ivakhnenko, Kyiv National University of Construction and Architecture,
Ukraine
6) Natali Plys, Kyiv National University of Construction and Architecture, Ukraine
Tools for Assessing the Competitiveness of a Construction Company as a
Contractor in Public-Private Partnership Projects
ID 233 1) Alexandr Neftissov, Astana IT University, Kazakhstan
2) Lalita Kirichenko, Astana IT University, Kazakhstan
3) Ilyas Kazambayev, Astana IT University, Kazakhstan
4) Alexey Zvontsov, Toraigyrov University, Kazakhstan
5) Valeryi Lisnevskyi, National Defence University of Ukraine
Development of a prototype of fiber-optic health monitoring of the system of
extended reinforced concrete facilities
ID 235 1) Praveen Kumar, Astana IT University, Kazakhstan
2) Kamlesh Sharma, School of Engineering and Technology, Manav Rachna
International Institute of research and studies, India
3) Richa Khera, School of Engineering and Technology, Manav Rachna
International Institute of research and studies, India
4) Ashish Grover, School of Engineering and Technology, Manav Rachna
International Institute of research and studies, India
Exploring Speech Emotion Recognition with MLP Classifier: A Comprehensive
Study on the CREMA-D Dataset
19:00 City tour (optional)
14:30 SECTION 2. IT in Education and Research
16:00
ID 14 1) Olha Yudicheva, Kyiv National University of Construction and Architecture,
Ukraine

	2) Olesia Romanenko, Kyiv National University of Construction and Architecture,
	Ukraine
	3) Oksana Bondar-Pidhurska, Poltava University of Economics and Trade, Ukraine
	4) Liudmyla Alaverdian, Kyiv National University of Construction and Architecture,
	Ukraine
	5) Alla Glebova, National University «Yuri Kondratyuk Poltava Polytechnic»,
	Ukraine
	6) Yurii Khlaponin, Kyiv National University of Construction and Architecture,
	Ukraine
	Overview and Prospects of IT Education in Ukrainian Universities
ID 15	1) Andrii Yerukaiev, State University of Trade and Economics, Ukraine
10 13	2) Svitlana Tsiutsiura, State University of Trade and Economics, Ukraine
	· · · · · · · · · · · · · · · · · · ·
	3) Mykola Tsiutsiura, State University of Trade and Economics, Ukraine
	4) Ihor Mirko, State University of Trade and Economics, Ukraine
	5) Nataliia Mirko, State University of Trade and Economics, Ukraine
	6) Rostyslav Zakharov, State University of Trade and Economics, Ukraine
TD C C	Quantum Computing in the Object-Oriented Model of Quality Management
ID 36	1) Aruzhan Mektepbaeva, Astana IT University, Kazakhstan
	2) Almasbek Medarov, Astana IT University, Kazakhstan
	3) Aitolkyn Kulmuratova, Astana IT University, Kazakhstan
	Analysis of Penetration Testing Methods for Specific IoT Device: IP Camera
ID 39	1) Aizat Dildabek, Al-Farabi Kazakh National University, Kazakhstan
	2) Kymbat Momynzhanova, Al-Farabi Kazakh National University, Kazakhstan
	3) Zukhra Abdiakhmetova, Al-Farabi Kazakh National University, Kazakhstan
	4) Zhanerke Temirbekova, Al-Farabi Kazakh National University, Kazakhstan
	5) Gulzat Turken, Al-Farabi Kazakh National University, Kazakhstan
	Study of Cardiovascular Diseases in the Retina, Obtained by Optical
	Coherence Tomography
ID 44	1) Olena Kryvoruchko, State university of trade and economics, Ukraine
	2) Dmytro Hnatchenko, State university of trade and economics, Ukraine
	3) Aliona Desiatko, State university of trade and economics, Ukraine
	4) Ihor Karpunin, State university of trade and economics, Ukraine
	5) Yaroslav Shestak, State university of trade and economics, Ukraine
	6) Yuliia Kostiuk, State university of trade and economics, Ukraine
	Methodology for Developing an Information System for Internal Audit
	Support
ID 54	1) Serhii Chernov, National Ship Building University named after Admiral
	Makarov, Ukraine
	2) Serhii Titov. National Ship Building University named after Admiral Makarov,
	Ukraine
	3) Liudmyla Chernova, National Ship Building University named after Admiral
	Makarov, Ukraine
	4) Liubava Chernova, National Ship Building University named after Admiral
	Makarov, Ukraine
	5) Tolganay Chinibayeva, International University of Information Technology,
	Kazakhstan
	6) Eugeniy Trushliakov, National Ship Building University named after Admiral
	Makarov, Ukraine
	Game-Theory Model of a Two-Level Hierarchical Game with Distributed
	Control
16:00	Coffee break

16:20 18:00	SECTION 2. IT in Education and Research
ID 56	1) Liubava Chernova, National Ship Building University named after Admiral
	Makarov, Ukraine
	2) Serhii Chernov, National Ship Building University named after Admiral
	Makarov, Ukraine
	Iryna Zhuravel, National Ship Building University named after Admiral Makarov, Ukraine
	3) Lyudmila Chernova, National Ship Building University named after Admiral
	Makarov, Ukraine
	4) Anatoliy Zubarev, National Ship Building University named after Admiral Makarov, Ukraine
	5) Kateryna Kolesnikova, International University of Information Technology,
	Kazakhstan
	1) Structural analysis in the methodology of building an IT project model
ID 57	2) Nurbolat Tasbolatuly, Astana International University, Kazakhstan
	3) Keylan Alimhan, L.N. Gumilyov Eurasian National University, Kazakhstan
	4) Aigerim Yerdenova, Astana International University, Kazakhstan
	5) Aizhan Nazyrova, Astana International University, Kazakhstan
	6) Gulnaz Bakhadirova, Astana International University, Kazakhstan
	7) Mira Kaldarova, Astana International University, Kazakhstan
	Using Computer Modeling for Tracking high-order Nonlinear Systems with
ID 50	Time-Delay
ID 59	1) Bahadirova Gulnaz, Astana International University, Kazakhstan 2) Zhambulatova Aigerim, L.N. Gumilyov Eurasian National University,
	Kazakhstan
	3) Tasbolatuly Nurbolat, Astana International University, Kazakhstan
	4) Keylan Alimhan, L.N. Gumilyov Eurasian National University, Kazakhstan
	5) Alisheva Sandugash, Mukhtar Auezov South Kazakhstan University, Kazakhstan
	6) Shaimerdenova Guldana, Mukhtar Auezov South Kazakhstan University,
	Kazakhstan
	Control of nonlinear system by means of feedback using the Python-control
	library
ID 64	1) Beken Arymbekov, Al-Farabi Kazakh National University, Kazakhstan
	2) Mussa Turdalyuly, Satbayev University, Kazakhstan
	1) Elmira Tursanova, Satbayev University, Kazakhstan
	2) Tolganay Turdalykyzy, Satbayev University, Kazakhstan
	3) Madina Issametova, Al-Farabi Kazakh National University, Kazakhstan
	Effects of Augmentation of Reality App to Enhance the Didactic Methodology in Schooling Physics
ID 73	1) Zukhra Abdiakhmetova, Al-Farabi Kazakh National University, Kazakhstan
10/3	2) Zhanerke Temirbekova, Al-Farabi Kazakh National University, Kazakhstan
	3) Gulzat Turken, Al-Farabi Kazakh National University, Kazakhstan
	4) Zhannat Nurmakhanova, Asfendiyarov Kazakh National Medical University,
	Kazakhstan
	Intelligent monitoring system based on Atmega microcontrollers in healthcare
	with stress reduce effect
ID 81	1) Raushan Amanzholova, Kazakh-British Technical University, Kazakhstan
	2) Dani Sarsekova, Kazakh National Agrarian Research University, Kazakhstan
	3) Catalin Stefan, Technische Universität Dresden, Germany

	4) Janay Sagin, Kazakh-British Technical University, Kazakhstan
	5) Sagynbek Orunbaev, American University of Central Asia, Kyrgyzstan
	6) Kuantar Alikhanov, National Academy of Sciences, Kazakhstan
	TVET IT technologies support for the Kyrgyz-Kazakh water resources
	sustainability
ID 84	1) Iryna Aznaurian, Kyiv National University of Construction and Architecture,
1201	Ukraine
	2) Yurii Pohrebniak, Kyiv National University of Construction and Architecture,
	Ukraine
	3) Yuliia Riabchun, Kyiv National University of Construction and Architecture,
	Ukraine
	4) Maksym Delembovskyi, Taras Shevchenko National University of Kyiv,
	Ukraine
	5) Nataliia Poltorachenko, Kyiv National University of Construction and
	Architecture, Ukraine
	6) Oleksiy Panko, Kyiv National University of Construction and Architecture,
	Úkraine
	Human-Computer Testing of Students' Knowledge
19:00	City tour (optional)
	· · · · ·
14:30	SECTION 3. Emerging Trends and Technologies in IT Application
16:00	
ID 9	1) Saida Beknazarova, Tashkent University of Information Technologies,
	Uzbekistan
	2) Dinara D.K. Kozhamzharova, International Information Technology University,
	Kazakhstan
	3) Mexriban Jaumitbaeva, Tashkent University of Information Technologies,
	Uzbekistan
	4) Farruh Saidov, Tashkent University of Information Technologies, Uzbekistan
	5) Aigul Shaikhanova, L.N. Gumilyov Eurasian National University, Kazakhstan
	Regression and Machine Learning Methods for Predicting Human Movements
	Based on Skeletal Data
ID 16	1) Marzhan Kussainova, S.Seifullin Kazakh Agro Technical Research University,
	Kazakhstan
	2) Zhanat Toleubekova, S.Seifullin Kazakh Agro Technical Research University,
	Kazakhstan
	3) Asset A Akhmadiya, S.Seifullin Kazakh Agro Technical Research University,
	Kazakhstan
	4) Kanshaim Nurmukhanova, S.Seifullin Kazakh Agro Technical Research
	University, Kazakhstan
	5) Nabi Nabiyev, S.Seifullin Kazakh Agro Technical Research University,
	Kazakhstan
	6) Aizada Kapassova, S.Seifullin Kazakh Agro Technical Research University,
	Kazakhstan Lagigal Sum of NDWI & NDDI Data for Detecting Flooded Houses: A Case of
	Logical Sum of NDWI & NDPI Data for Detecting Flooded Houses: A Case of
ID 34	Atbasar Town, 2017 1) Inna Rozlomii, Bohdan Khmelnytsky National University of Cherkasy, Ukraine
10 34	 Inna Rozlomii, Bohdan Khmelnytsky National University of Cherkasy, Ukraine Andrii Yarmilko, Bohdan Khmelnytsky National University of Cherkasy,
	Ukraine
	3) Serhii Naumenko, Bohdan Khmelnytsky National University of Cherkasy,
	Ukraine
	UKLAHIC

	4) Pavlo Mykhailovskyi, Bohdan Khmelnytsky National University of Cherkasy,
	Ukraine
	Cloud Computing and Data Security: The Role of Encryption in Information
	Protection
ID 50	1) Aigul Adamova, Astana IT University, Kazakhstan
	2) Tamara Zhukabayeva, L.N. Gumilyov Eurasian National University, Kazakhstan
	3) Nurgalym Adamov, Astana International University, Kazakhstan
	Attack Detection in IoT using RF and ANN
ID 51	1) Choon Liang Ngo, Sunway University, Malaysia
	2) Ha Jin Hwang, Astana IT University, Kazakhstan
	3) Monowar Mahmood, KIMEP University, Kazakhstan
	4) Mahadi Hassan, Curtin University, Malaysia
	5) Norazryana Mat Dawi, Universiti Malaya, Malaysia
	6) Leila Salykova, Astana IT University, Kazakhstan
	Developing Intelligent Supply Chain System Adopting Lean and Agile
	Attributes for Construction Projects in Malaysia
ID 71	1) Zeynep Galymzhankyzy, Astana IT University, Kazakhstan
	2) Ildar Rinatov, Astana IT University, Kazakhstan
	3) Aliya Abdiraman, Astana IT University, Kazakhstan
	4) Shynbolat Unaybaev, Astana IT University, Kazakhstan
	Assessing Electoral Integrity: Paillier's Partial Homomorphic Encryption in E-
TD 01	Voting System
ID 91	1) Mazen Mohammed Farea, Al-Madinah International University, Malaysia
	2) Sharaf Alzoubi, Amman Arab University, Jordan
	3) Abdilahi Liban, MEDIU, Malaysia
	4) Firas Tayseer Mohammad Ayasrah, Al Ain University, UAE5) Waheed Ali H. M. Ghanem, Universiti Malaysia Terengganu, Malaysia
	6) Yousef A. Baker El-Ebiary, UniSZA, Malaysia
	Blockchain-Enabled Mobility Services in Smart Cities
16:00	Coffee break
16:20	SECTION 3. Emerging Trends and Technologies in IT Application
18:00	
ID 110	1) Aigerim Altayeva, Al-Farabi Kazakh National University, Kazakhstan
	2) Nurzhan Omarov, Al-Farabi Kazakh National University, Kazakhstan
	3) Zeinel Momynkulov, International Information Technology University,
	Kazakhstan
	CNN-RNN Hybrid Model for Dangerous Sound Detection in Urban Area
ID 113	1) Bakhytzhan Kulambayev, Turan University, Kazakhstan
	Navigating Autonomously with Deep Learning-Powered Lane Line Detection for
	Vehicles
ID 115	1) Aigerim Altayeva, Al-Farabi Kazakh National University, Kazakhstan
ID 117	Development of Indoor Air Quality Control System Using BPNN-PID
ID 116	1) Nurzhan Omarov, Al-Farabi Kazakh National University, Kazakhstan
	A Multilayered Approach to Hazardous Sound Identification Using Deep
ID 121	Convolutional Neural Networks in Dense Metropolitan Environments
ID 121	1) Zhan Batyr, Al-Farabi Kazakh National University, Kazakhstan
	2) Sharipa Temirgaziyeva, Al-Farabi Kazakh National University, Kazakhstan
	3) Bauyrzhan Omarov, Al-Farabi Kazakh National University, Kazakhstan Development of Deep Convolutional Neural Network for Road Sign Detection
	i Development of Deep Convolutional Neural Network for Koad Sign Defection

ID 125	1) Azhar Tursynova, Al-Farabi Kazakh National University, Kazakhstan
10 125	2) Aivar Sakhipov, Astana IT University, Kazakhstan
	3) Islam Omirzak, Astana IT University, Kazakhstan
	4) Madina Yermaganbetova, Astana IT University, Kazakhstan
	5) Alexey Fedenko, Astana IT University, Kazakhstan
	6) Diar Begisbayev, Astana IT University, Kazakhstan
	Classification of Brain Strokes in Computed Tomography Images Utilizing Deep
	Learning
ID 126	1) Azhar Tursynova, Al-Farabi Kazakh National University, Kazakhstan
	2) Aivar A Sakhipov, Astana IT University, Kazakhstan
	3) Yersultan Tulebayev, Astana IT University, Kazakhstan
	4) Altynbek Seitenov, Astana IT University, Kazakhstan
	5) Aliya Tazhigaliyeva, Astana IT University, Kazakhstan
	Enhanced UNet Approach for Detecting Stroke Lesions in Computed
	Tomography Brain Scans
19:00	City tour (optional)
14:30	SECTION 4. Data Science and Advanced Analytics
16:00	
ID 21	1) Yerkin Abdildin, Nazarbayev University, Kazakhstan
	2) Fatima Nabidollayeva, Nazarbayev University, Kazakhstan
	3) Dmitriy Viderman, Nazarbayev University, National Research Oncology Center,
	Kazakhstan
	Statistical analysis of the pecto-intercostal fascial plane block on pain-related
TD 04	outcomes in cardiac surgery
ID 24	1) Elena Gorda, Kyiv National University of Construction and Architecture,
	Ukraine
	 Yuliia Riabchun, Kyiv National University of Construction and Architecture, Ukraine
	3) Volodymyr Khrolenko, Kyiv National University of Construction and
	Architecture, Ukraine
	Cognitive Technologies for Object Detection and Topology of the Environment's
	Information Space
ID 28	1) Aisha Kozhamseitova, Astana IT University, Kazakhstan
	Development of the method of blood clot origin classification in ischemic stroke
ID 40	1) Zhakupova A.Y., L.N. Gumilev Eurasian National University
	2) Abilova A.A., L.N. Gumilev Eurasian National University, Kazakhstan
	3) Assylkhan K.K, L.N. Gumilev Eurasian National University, Kazakhstan
	Spatial Analysis of Turkey 2023 Seismic Activity: Geographical Distribution
	Research
ID 41	1) Aruzhan Amangeldieva, Astana IT University, Kazakhstan
	2) Chingis Kharmyssov, Astana IT University, Kazakhstan
	A hybrid approach for a movie recommender system using Content-Based and
	Collaborative Filtering method
ID 46	1) Aiganysh Sayakbaeva, Kyrgyz National University named after J.Balasagyn, The
	Kyrgyz Republic
	2) Nelli Akylbekova, Kyrgyz National University named after Jusup Balasagyn,
	Kyrgyz Republic
	3) Maria Taalaibek, International Academy of Management, Law, Finance and
	Business, Kyrgyz Republic

	4) Temirlan Taalaibek, International University of Innovative Technologies,
	Kyrgyz Republic
	5) Tilek Sayakbaev, Academy of Public Administration under the President of the
	Kyrgyz Republic named after Zhusup Abdrakhmanov Bishkek, Kyrgyz
	Republic
	6) Ainura Kenzhekaraeva, Kyrgyz Economic University of named Musa
	Ryskulbekov", Kyrgyz Republic
	Some aspects of the influence of environmental factors for the development of
	human capital
ID 49	1) Nursultan Zhantileuov, Kazakh-British Technical University, Kazakhstan
	2) Serik Ospanov, National Center for Space Research and Technology
	KazCosmos, Kazakhstan
	A Compartive Study of Supervised Machine Learning and Deep Learning
	Techniques with Feature Selection Methods for Classifying Parkinson's Disease
	Based on Speech Impairments
ID 58	1) Yerkin Abdildin, Nazarbayev University, Kazakhstan
	2) Dastan Kaldybayev, Nazarbayev University, Kazakhstan
	3) Meiram Tungushpayev, Nazarbayev University, Kazakhstan
	4) Dmitriy Viderman, Nazarbayev University, National Research Oncology Center,
	Kazakhstan
	Statistical analysis of outcomes of basivertebral nerve radiofrequency ablation
	for vertebrogenic chronic low back pain management
ID 68	1) Dinmukhammed Zhasulanov, Astana IT University, Kazakhstan
	2) Bekarys Marat, Astana IT University, Kazakhstan
	3) Kuanush Erkin, Astana IT University, Kazakhstan
	4) Ruslan Omirgaliyev, Astana IT University, Kazakhstan
	5) Nurkhat Zhakiyev, Astana IT University, Kazakhstan
TD (0	Enhancing Gameplay Experience Through Reinforcement Learning in Games
ID 69	1) Ruslan Omirgaliyev, IEEE Member, Astana IT University, Kazakhstan
	2) Asylai Arystanbekova, Astana IT University, Kazakhstan
	3) Arman Alzhanov, Astana IT University, Kazakhstan
	4) Arstan Makatov, Astana IT University, Kazakhstan
	Mobile Application of Convolutional Neural Networks for Melanoma Classification
16.00	
16:00	Coffee break
16.20	CECTION 4 D 4 C 1 4 1 4 1 4 1 4 1 4 1
16:20	SECTION 4. Data Science and Advanced Analytics
18:00	
ID 70	Zhanseri Ikram, Al-Farabi Kazakh National University, Kazakhstan
10 70	Hybrid Deep Neural Network for Face Liveness Detection in Real-Time Video
ID 74	Dias Nessipkhanov, International Information Technology University,
10 /4	Kazakhstan
	2) Bauyrzhan Omarov, Al-Farabi Kazakh National University, Kazakhstan
	3) Inkar Bazarkulova, Al-Farabi Kazakh National University, Kazakhstan
	Development of Pneumonia Detection System on X-Ray Images Using Deep
	Learning
ID 76	1) Vladyslav Kotsovsky, Uzhhorod National University, Ukraine
10/0	2) Tetiana Lisovska, Uzhhorod National University, Ukraine
	3) Volodymyr Sabadosh, Uzhhorod National University, Ukraine
	Multithreshold Neural Units for Multiclass Classification
	114WAVAVAA OOMOGA 116WAGA OAMOGA OO 114WAVAVAGA OOMOGAACAA

ID 77	1) Translan Mandaharan Daladah Daramb Lah Hanaran
ID 77	1) Tamerlan Mendybayev, Bolashak Research Lab, Hungary
	2) Abulkhaiyr Mendybayev, Bolashak Research Lab, Hungary
	Assessing Urbanization Levels Using GeoData: Implications for Kazakhstan
	Regional Development Planning
ID 78	1) Zhanseri Ikram, Al-Farabi Kazakh National University, Kazakhstan
	Dual-Domain Face Anti-Spoofing with Integrated Spatial and Frequency
	Analysis Neural Network
ID 80	1) Aigerim Toktarova, International Kazakh-Turkish University, Kazakhstan
	2) Daniyar Sultan, Al-Farabi Kazakh National University, Kazakhstan
	3) Zhanar Azhibekova, S.D.Asfendiyarov Kazakh National Medical University,
	Kazakhstan
	Review of Machine Learning Models in Cyberbullying Detection Problem
ID 83	1) Yurii Hodlevskyi, Zhytomyr Polytechnic State University, Ukraine
	2) Tetiana Vakaliuk, Zhytomyr Polytechnic State University, Ukraine
	Optimal Gradient Descent Algorithm for LSTM Neural Network Learning
ID 106	1) Nurzhan Omarov, Al-Farabi Kazakh National University, Kazakhstan
	2) Zeinel Momynkulov, International Information Technology University,
	Kazakhstan
	Detection of Dangerous Situations by Sounds in Real-Time Using Deep
	Learning
ID 114	1) Daniyar Sultan, Al-Farabi Kazakh National University, Kazakhstan
12 11.	Development of Deep Hybrid Neural Network for Cyberbullying Detection on
	Online Social Networks
ID 119	Denis Valyayev, Almaty University of Power Engineering and
12 11)	Telecommunication, Kazakhstan
	2) Assel Mukasheva, Kazakh-British Technical University, Kazakhstan
	3) Didar Yedilkhan, Astana IT University, Kazakhstan
	4) Bolshibayeva Aigerim, International IT University, Kazakhstan
	5) Dinargul Mukhammejanova, Almaty University of Power Engineering and
	Telecommunications, Kazakhstan
	FMEA variables of software failure risks based on journals and metrics
ID 122	1) Maksat Kanashev, Almaty University of Power Engineering and
11/1/2	Telecommunications, Kazakhstan
	· · · · · · · · · · · · · · · · · · ·
	2) Sergiy Gnatyuk, National Aviation University, Ukraine3) Assel Mukasheva, Kazakh-British Technical University
	4) Sabina Rakhmetulaeva, International University of Information Technologies,
	Kazakhstan
	5) Didar Yedilkhan, Astana IT University, Kazakhstan 6) Mirambayaya Nazyan, Almety University of Power Engineering and
	6) Mirambayeva Nazym, Almaty University of Power Engineering and
	Telecommunications, Kazakhstan
	Research and development of an information system for speech recognition
10.00	based on neural network algorithms metrics
19:00	City tour (optional)

SECTION PRESENTATIONS

17 May 2024 (Friday)

*Time zone UTC+5 Astana time

Section 1 Section 2	https://us06web.zoom.us/j/89597662058?pwd=T1aqPqUnWTCWA110vgPMCrd7iEgpOb.1 https://us06web.zoom.us/j/82311185273?pwd=nOpDPvAY90FV32spZX9kbIsEYAvuKb.1
Section 3 Section 4	https://us06web.zoom.us/j/85193070714?pwd=xfXvadgVIHVEwAhcBtDP8HYaVHVz95.1https://us06web.zoom.us/j/84894584304?pwd=AyUQRyNL5PksjfU3O4bhh2Zhvy8C4x.1

09:00	Participants registration
09:30	Welcome coffee
10:00	Plenary presentations (Venue: Assembly Hall)
13:00	Lunch
14:30	Section presentations
14:30 16:00	SECTION 1. Technology and Engineering Management
ID 236	1) Alexey Zvontsov, Toraigyrov University, Kazakhstan
	2) Alexandr Neftissov, Astana IT University, Kazakhstan
	3) Lalita Kirichenko, Astana IT University, Kazakhstan
	4) Ilyas Kazambaev, Astana IT University, Kazakhstan
	5) Aubakirova Aliya, Astana IT University, Kazakhstan
	6) Oleh Serbin, Kyiv National University of Culture and Arts, Taras Shevchenko
	National University of Kyiv, Ukraine
	Analysis of the transfer characteristics of refractive indices and nonlinear
	effects in optical optical fibers using the example of chromatic dispersion
ID 263	1) Andrii Rosynskyi, Kyiv National University of Construction and Architecture, Ukraine
	2) Lesia Sorokina, Kyiv National University of Construction and Architecture,
	Ukraine
	3) Davyd Kalashnikov, Kyiv National University of Construction and Architecture,
	Ukraine
	4) Aigerim Akizhanova, Eurasian National University, Kazakhstan
	5) Ruslan Tormosov, All-Ukrainian Charitable Organization "Municipal
	Development Institute", Ukraine
	6) Mykhailo Malykhin, Kyiv National University of Construction and Architecture,
	Ukraine
	Real Estate Price Management Through Fuzzified Time Impact Factors Using
	MATLAB: Development Companies' Approach
ID 278	1) Valentyn Tsehelnyi, Kyiv National University of Construction and Architecture,
	Ukraine
	2) Svitlana Terenchuk, Kyiv National University of Construction and Architecture,
	Ukraine
	3) Vitaliiy Ploskyi, Kyiv National University of Construction and Architecture,
	Ukraine
	4) Mykola Tereschuk, Kyiv National University of Construction and Architecture,
	Ukraine

	5) Ihor Bosenko, Kyiv National University of Construction and Architecture,
	Ukraine
	6) Oleg Chertkov, Kyiv National University of Construction and Architecture,
	Ukraine
	Information Technology of the Agro-Industrial Complex's Design Objects Organization
ID 255	1) Tetiana Fesenko, Kharkiv National University of Radio Electronics, Ukraine
	2) Galyna Fesenko, O. M. Beketov National University of Urban Economy in
	Kharkiv, Ukraine
	3) Hryhorii Fesenko, Volodymyr Dahl East Ukrainian National University, Ukraine
	4) Gennadii Golovko, National University "Yuri Kondratyuk Poltava Polytechnic",
	Ukraine
	5) Natalya Bibik, O. M. Beketov National University of Urban Economy in Kharkiv,
	Ukraine
	6) Andrii Bortnyk, Kharkiv National University of Radio Electronics, Ukraine
TD 051	Conceptualizing the ICT project management in the sustainability context
ID 271	1) Igbal Babayev, Azerbaijan University of Construction and Architecture,
	Azerbaijan Canatia madala of project managament
ID 274	Genetic models of project management 1) Malika Shamgunova, Astana IT University, Kazakhstan
110 2/4	2) Andrii Biloshchytskyi, Astana IT University, Kazakhstan
	3) Oleksandr Kuchanskyi, Astana IT University, Kazakhstan
	4) Faizullin Adil, Astana IT University, Kazakhstan
	A method for clustering scientific publications based on natural language for
	the purpose of strategic planning of partnerships in interdisciplinary research
4 5 00	
16:00	Coffee break
16:00 19:00	Coffee break Culture programme
19:00	Culture programme
19:00 14:30	
19:00	Culture programme
19:00 14:30 16:00	Culture programme SECTION 2. IT in Education and Research
19:00 14:30	Culture programme SECTION 2. IT in Education and Research 1) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan
19:00 14:30 16:00	Culture programme SECTION 2. IT in Education and Research 1) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan 2) Zeinel Momynkulov, International Information Technologies University,
19:00 14:30 16:00	SECTION 2. IT in Education and Research 1) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan 2) Zeinel Momynkulov, International Information Technologies University, Kazakhstan
19:00 14:30 16:00 ID 85	Culture programme SECTION 2. IT in Education and Research 1) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan 2) Zeinel Momynkulov, International Information Technologies University, Kazakhstan Development of a Digital Stethoscopy System for Detection of Heart Diseases
19:00 14:30 16:00	Culture programme SECTION 2. IT in Education and Research 1) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan 2) Zeinel Momynkulov, International Information Technologies University, Kazakhstan Development of a Digital Stethoscopy System for Detection of Heart Diseases 1) Pushpanjali Pandey, Gyancity Research Consultancy Greater Noida, India
19:00 14:30 16:00 ID 85	Culture programme SECTION 2. IT in Education and Research 1) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan 2) Zeinel Momynkulov, International Information Technologies University, Kazakhstan Development of a Digital Stethoscopy System for Detection of Heart Diseases
19:00 14:30 16:00 ID 85	Culture programme SECTION 2. IT in Education and Research 1) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan 2) Zeinel Momynkulov, International Information Technologies University, Kazakhstan Development of a Digital Stethoscopy System for Detection of Heart Diseases 1) Pushpanjali Pandey, Gyancity Research Consultancy Greater Noida, India 2) Keshav Kumar, Gyancity Research Consultancy Greater Noida, India
19:00 14:30 16:00 ID 85	Culture programme SECTION 2. IT in Education and Research 1) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan 2) Zeinel Momynkulov, International Information Technologies University, Kazakhstan Development of a Digital Stethoscopy System for Detection of Heart Diseases 1) Pushpanjali Pandey, Gyancity Research Consultancy Greater Noida, India 2) Keshav Kumar, Gyancity Research Consultancy Greater Noida, India 3) Bishwajeet Pandey, Astana IT University, Kazakhstan
19:00 14:30 16:00 ID 85	Culture programme SECTION 2. IT in Education and Research 1) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan 2) Zeinel Momynkulov, International Information Technologies University, Kazakhstan Development of a Digital Stethoscopy System for Detection of Heart Diseases 1) Pushpanjali Pandey, Gyancity Research Consultancy Greater Noida, India 2) Keshav Kumar, Gyancity Research Consultancy Greater Noida, India 3) Bishwajeet Pandey, Astana IT University, Kazakhstan 4) Hardik Gohel, University of Houston Victoria, USA 5) Leila Rzayeva, Astana IT University, Kazakhstan HSTL IO Standards Based Low Power Implementation of Elliptic Curve
19:00 14:30 16:00 ID 85	Culture programme SECTION 2. IT in Education and Research 1) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan 2) Zeinel Momynkulov, International Information Technologies University, Kazakhstan Development of a Digital Stethoscopy System for Detection of Heart Diseases 1) Pushpanjali Pandey, Gyancity Research Consultancy Greater Noida, India 2) Keshav Kumar, Gyancity Research Consultancy Greater Noida, India 3) Bishwajeet Pandey, Astana IT University, Kazakhstan 4) Hardik Gohel, University of Houston Victoria, USA 5) Leila Rzayeva, Astana IT University, Kazakhstan HSTL IO Standards Based Low Power Implementation of Elliptic Curve Cryptography (ECC) on FPGA
19:00 14:30 16:00 ID 85	Culture programme SECTION 2. IT in Education and Research 1) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan 2) Zeinel Momynkulov, International Information Technologies University, Kazakhstan Development of a Digital Stethoscopy System for Detection of Heart Diseases 1) Pushpanjali Pandey, Gyancity Research Consultancy Greater Noida, India 2) Keshav Kumar, Gyancity Research Consultancy Greater Noida, India 3) Bishwajeet Pandey, Astana IT University, Kazakhstan 4) Hardik Gohel, University of Houston Victoria, USA 5) Leila Rzayeva, Astana IT University, Kazakhstan HSTL IO Standards Based Low Power Implementation of Elliptic Curve Cryptography (ECC) on FPGA 1) Spandiyar Abutalip, Al-Farabi Kazakh National University, Kazakhstan
19:00 14:30 16:00 ID 85	Culture programme SECTION 2. IT in Education and Research 1) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan 2) Zeinel Momynkulov, International Information Technologies University, Kazakhstan Development of a Digital Stethoscopy System for Detection of Heart Diseases 1) Pushpanjali Pandey, Gyancity Research Consultancy Greater Noida, India 2) Keshav Kumar, Gyancity Research Consultancy Greater Noida, India 3) Bishwajeet Pandey, Astana IT University, Kazakhstan 4) Hardik Gohel, University of Houston Victoria, USA 5) Leila Rzayeva, Astana IT University, Kazakhstan HSTL IO Standards Based Low Power Implementation of Elliptic Curve Cryptography (ECC) on FPGA 1) Spandiyar Abutalip, Al-Farabi Kazakh National University, Kazakhstan 2) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan
19:00 14:30 16:00 ID 85	Culture programme SECTION 2. IT in Education and Research 1) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan 2) Zeinel Momynkulov, International Information Technologies University, Kazakhstan Development of a Digital Stethoscopy System for Detection of Heart Diseases 1) Pushpanjali Pandey, Gyancity Research Consultancy Greater Noida, India 2) Keshav Kumar, Gyancity Research Consultancy Greater Noida, India 3) Bishwajeet Pandey, Astana IT University, Kazakhstan 4) Hardik Gohel, University of Houston Victoria, USA 5) Leila Rzayeva, Astana IT University, Kazakhstan HSTL IO Standards Based Low Power Implementation of Elliptic Curve Cryptography (ECC) on FPGA 1) Spandiyar Abutalip, Al-Farabi Kazakh National University, Kazakhstan 2) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan A Machine Learning Approach for Detection of Heart Diseases Using
19:00 14:30 16:00 ID 85 ID 87	SECTION 2. IT in Education and Research 1) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan 2) Zeinel Momynkulov, International Information Technologies University, Kazakhstan Development of a Digital Stethoscopy System for Detection of Heart Diseases 1) Pushpanjali Pandey, Gyancity Research Consultancy Greater Noida, India 2) Keshav Kumar, Gyancity Research Consultancy Greater Noida, India 3) Bishwajeet Pandey, Astana IT University, Kazakhstan 4) Hardik Gohel, University of Houston Victoria, USA 5) Leila Rzayeva, Astana IT University, Kazakhstan HSTL IO Standards Based Low Power Implementation of Elliptic Curve Cryptography (ECC) on FPGA 1) Spandiyar Abutalip, Al-Farabi Kazakh National University, Kazakhstan 2) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan A Machine Learning Approach for Detection of Heart Diseases Using Wearable Devices
19:00 14:30 16:00 ID 85	SECTION 2. IT in Education and Research 1) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan 2) Zeinel Momynkulov, International Information Technologies University, Kazakhstan Development of a Digital Stethoscopy System for Detection of Heart Diseases 1) Pushpanjali Pandey, Gyancity Research Consultancy Greater Noida, India 2) Keshav Kumar, Gyancity Research Consultancy Greater Noida, India 3) Bishwajeet Pandey, Astana IT University, Kazakhstan 4) Hardik Gohel, University of Houston Victoria, USA 5) Leila Rzayeva, Astana IT University, Kazakhstan HSTL IO Standards Based Low Power Implementation of Elliptic Curve Cryptography (ECC) on FPGA 1) Spandiyar Abutalip, Al-Farabi Kazakh National University, Kazakhstan 2) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan A Machine Learning Approach for Detection of Heart Diseases Using Wearable Devices 1) Spandiyar Abutalip, Al-Farabi Kazakh National University, Kazakhstan
19:00 14:30 16:00 ID 85 ID 87	SECTION 2. IT in Education and Research 1) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan 2) Zeinel Momynkulov, International Information Technologies University, Kazakhstan Development of a Digital Stethoscopy System for Detection of Heart Diseases 1) Pushpanjali Pandey, Gyancity Research Consultancy Greater Noida, India 2) Keshav Kumar, Gyancity Research Consultancy Greater Noida, India 3) Bishwajeet Pandey, Astana IT University, Kazakhstan 4) Hardik Gohel, University of Houston Victoria, USA 5) Leila Rzayeva, Astana IT University, Kazakhstan HSTL IO Standards Based Low Power Implementation of Elliptic Curve Cryptography (ECC) on FPGA 1) Spandiyar Abutalip, Al-Farabi Kazakh National University, Kazakhstan 2) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan A Machine Learning Approach for Detection of Heart Diseases Using Wearable Devices 1) Spandiyar Abutalip, Al-Farabi Kazakh National University, Kazakhstan 2) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan 2) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan
19:00 14:30 16:00 ID 85 ID 87	SECTION 2. IT in Education and Research 1) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan 2) Zeinel Momynkulov, International Information Technologies University, Kazakhstan Development of a Digital Stethoscopy System for Detection of Heart Diseases 1) Pushpanjali Pandey, Gyancity Research Consultancy Greater Noida, India 2) Keshav Kumar, Gyancity Research Consultancy Greater Noida, India 3) Bishwajeet Pandey, Astana IT University, Kazakhstan 4) Hardik Gohel, University of Houston Victoria, USA 5) Leila Rzayeva, Astana IT University, Kazakhstan HSTL IO Standards Based Low Power Implementation of Elliptic Curve Cryptography (ECC) on FPGA 1) Spandiyar Abutalip, Al-Farabi Kazakh National University, Kazakhstan 2) Meirzhan Baikuvekov, Al-Farabi Kazakh National University, Kazakhstan A Machine Learning Approach for Detection of Heart Diseases Using Wearable Devices 1) Spandiyar Abutalip, Al-Farabi Kazakh National University, Kazakhstan

ID 159	1) Alua Myrzakerimova, International University of Information Technology,
	Kazakhstan
	2) Askar Khikmetov, International University of Information Technology, Kazakhstan
	3) Kateryna Kolesnikova, International University of Information Technology,
	Kazakhstan
	Comparative effectiveness of models and methods for diagnosing diseases of
	internal organs
ID 187	1) Maral Zhanarstanova, Astana IT University, Kazakhstan
	2) Aidana Kaldybekova, Astana IT University, Kazakhstan
	3) Yermek Alimzhanov, Astana IT University, Kazakhstan
	4) Yenglik Dossymkhan, Astana IT University, Kazakhstan
	The Role of Learning Analytics in Assessing the Effectiveness of Blended
	Education: A Case Study of Astana IT University
ID 222	1) Arailym Tleubayeva, Astana IT University, Kazakhstan
	2) Alina Mitroshina, Astana IT University, Kazakhstan
	3) Alpar Arman, Astana IT University, Kazakhstan
	4) Arystan Shokan, Astana IT University, Kazakhstan
	5) Shaikhanova Aigul, L.N. Gumilyov Eurasian National University, Kazakhstan
	Systemic approach to optimizing natural language processing technologies in
16.00	Astana IT University's admissions process
16:00	Coffee break
16.00	
16:20	SECTION 2. IT in Education and Research
18:00	
ID 246	1) Mariya Utarbayeva, Nazarbayev Intellectual School, Kazakhstan
110 240	2) Makpal Mukanova, Nazarbayev Intellectual School, Kazakhstan
	Integrated Computer Network Security System: Intrusion Detection and
	Threat Prediction Using Machine Learning Algorithms
ID 253	1) Mykyta Poliakov, Kyiv National University of Construction and Architecture,
	Ukraine
	2) Oleksii Stetsyk, Kyiv National University of Construction and Architecture,
	Ukraine
	3) Bogdan Yeremenko, Kyiv National University of Construction and Architecture,
	3) Bogdan Yeremenko, Kyiv National University of Construction and Architecture, Ukraine
	3) Bogdan Yeremenko, Kyiv National University of Construction and Architecture, Ukraine Modeling of the System for the Electronic Estimation of Adolescents' Special
ID 264	3) Bogdan Yeremenko, Kyiv National University of Construction and Architecture, Ukraine Modeling of the System for the Electronic Estimation of Adolescents' Special Abilities
ID 264	3) Bogdan Yeremenko, Kyiv National University of Construction and Architecture, Ukraine Modeling of the System for the Electronic Estimation of Adolescents' Special Abilities 1) Olha Bielienkova, Kyiv National University of Construction and Architecture,
ID 264	3) Bogdan Yeremenko, Kyiv National University of Construction and Architecture, Ukraine Modeling of the System for the Electronic Estimation of Adolescents' Special Abilities 1) Olha Bielienkova, Kyiv National University of Construction and Architecture, Ukraine
ID 264	3) Bogdan Yeremenko, Kyiv National University of Construction and Architecture, Ukraine Modeling of the System for the Electronic Estimation of Adolescents' Special Abilities 1) Olha Bielienkova, Kyiv National University of Construction and Architecture, Ukraine 2) Tetiana Kishchenko, Kyiv National University of Construction and Architecture,
ID 264	3) Bogdan Yeremenko, Kyiv National University of Construction and Architecture, Ukraine Modeling of the System for the Electronic Estimation of Adolescents' Special Abilities 1) Olha Bielienkova, Kyiv National University of Construction and Architecture, Ukraine 2) Tetiana Kishchenko, Kyiv National University of Construction and Architecture, Ukraine
ID 264	3) Bogdan Yeremenko, Kyiv National University of Construction and Architecture, Ukraine Modeling of the System for the Electronic Estimation of Adolescents' Special Abilities 1) Olha Bielienkova, Kyiv National University of Construction and Architecture, Ukraine 2) Tetiana Kishchenko, Kyiv National University of Construction and Architecture, Ukraine 3) Matsapura Olena, Kyiv National University of Construction and Architecture,
ID 264	3) Bogdan Yeremenko, Kyiv National University of Construction and Architecture, Ukraine Modeling of the System for the Electronic Estimation of Adolescents' Special Abilities 1) Olha Bielienkova, Kyiv National University of Construction and Architecture, Ukraine 2) Tetiana Kishchenko, Kyiv National University of Construction and Architecture, Ukraine 3) Matsapura Olena, Kyiv National University of Construction and Architecture, Ukraine
ID 264	3) Bogdan Yeremenko, Kyiv National University of Construction and Architecture, Ukraine Modeling of the System for the Electronic Estimation of Adolescents' Special Abilities 1) Olha Bielienkova, Kyiv National University of Construction and Architecture, Ukraine 2) Tetiana Kishchenko, Kyiv National University of Construction and Architecture, Ukraine 3) Matsapura Olena, Kyiv National University of Construction and Architecture, Ukraine 4) Abay Aryn, Astana IT University, Kazakhstan
ID 264	3) Bogdan Yeremenko, Kyiv National University of Construction and Architecture, Ukraine Modeling of the System for the Electronic Estimation of Adolescents' Special Abilities 1) Olha Bielienkova, Kyiv National University of Construction and Architecture, Ukraine 2) Tetiana Kishchenko, Kyiv National University of Construction and Architecture, Ukraine 3) Matsapura Olena, Kyiv National University of Construction and Architecture, Ukraine
ID 264	3) Bogdan Yeremenko, Kyiv National University of Construction and Architecture, Ukraine Modeling of the System for the Electronic Estimation of Adolescents' Special Abilities 1) Olha Bielienkova, Kyiv National University of Construction and Architecture, Ukraine 2) Tetiana Kishchenko, Kyiv National University of Construction and Architecture, Ukraine 3) Matsapura Olena, Kyiv National University of Construction and Architecture, Ukraine 4) Abay Aryn, Astana IT University, Kazakhstan 5) Galyna Ryzhakova, Kyiv National University of Construction and Architecture,
ID 264	3) Bogdan Yeremenko, Kyiv National University of Construction and Architecture, Ukraine Modeling of the System for the Electronic Estimation of Adolescents' Special Abilities 1) Olha Bielienkova, Kyiv National University of Construction and Architecture, Ukraine 2) Tetiana Kishchenko, Kyiv National University of Construction and Architecture, Ukraine 3) Matsapura Olena, Kyiv National University of Construction and Architecture, Ukraine 4) Abay Aryn, Astana IT University, Kazakhstan 5) Galyna Ryzhakova, Kyiv National University of Construction and Architecture, Ukraine
ID 264	3) Bogdan Yeremenko, Kyiv National University of Construction and Architecture, Ukraine Modeling of the System for the Electronic Estimation of Adolescents' Special Abilities 1) Olha Bielienkova, Kyiv National University of Construction and Architecture, Ukraine 2) Tetiana Kishchenko, Kyiv National University of Construction and Architecture, Ukraine 3) Matsapura Olena, Kyiv National University of Construction and Architecture, Ukraine 4) Abay Aryn, Astana IT University, Kazakhstan 5) Galyna Ryzhakova, Kyiv National University of Construction and Architecture, Ukraine 6) Oleksiy Mostovenko, Kyiv National University of Construction and Architecture,

ID 270	1) Kateryna Kolesnikova, International University of Information Technology,
12 2.0	Kazakhstan
	2) Lyazat Naizabayeva, International University of Information Technology,
	Kazakhstan
	3) Ayaulym Myrzabayeva, International University of Information Technology,
	Kazakhstan
	4) Rostyslav Lisnevskyi, International University of Information Technology,
	Kazakhstan
ID 272	Use the neural networks in prediction of environmental processes
ID 2/2	1) Igor Ruban, Kharkiv National University of Radio Electronics, Ukraine 2) Edyta Plebankiewicz, Crakow University of Technology, Poland
	3) Renata Kozik, Crakow University of Technology, Poland
	4) Tetiana Fesenko, Kharkiv National University of Radio Electronics, Ukraine
	5) Galyna Fesenko, O. M. Beketov National University of Urban Economy in
	Kharkiv, Ukraine
	6) Hryhorii Fesenko, Volodymyr Dahl East Ukrainian National University, Ukraine
	STEM education in Poland and Ukraine: exploring the contextual data of the
	GGG Index
19:00	Culture programme
14:30	SECTION 3. Emerging Trends and Technologies in IT Application
16:00	
ID 147	1) Olahaanda Danayanka Taraa Chayahanka National Haiyansity of Weisy Hilmaina
ID 147	 Oleksandr Derevenko, Taras Shevchenko National University of Kyiv, Ukraine Olha Kravchenko, Taras Shevchenko National University of Kyiv, Ukraine
	3) Sergiy Bronin, Taras Shevchenko National University of Kyiv, Ukraine
	4) Myroslava Gladka, Taras Shevchenko National University of Kyiv, Ukraine
	Methods and models of decision-making regarding energy saving in communal
	facilities based on Delphi method
ID 148	1) Gulnara Abitova, Astana IT University, Kazakhstan
	2) Abu Said Manap, Astana IT University, Kazakhstan
	3) Korlan Kulniyaziva, L.N. Gumilyov Eurasian National University, Kazakhstan
	Design of Technology for Secure File Storage Based on Hybrid Cryptography
	Methods: Short Overview
ID 154	1) Yelnaz Rysbek, Nazarbayev University, Kazakhstan
	2) Md. Hazrat Ali, Nazarbayev University, Kazakhstan
	3) Nursultan Jyeniskhan, Nazarbayev University, Kazakhstan
	4) Essam Shehab, Nazarbayev University, Kazakhstan Davidanment of Augmented Beality System for Additive Manufacturing
ID 160	Development of Augmented Reality System for Additive Manufacturing 1) Oleksii Matsiievskyi, Kyiv National University of Construction and
10 100	Architecture, Ukraine
	Tetyana Honcharenko, Kyiv National University of Construction and
	Architecture, Ukraine
	3) Olga Solovei, Kyiv National University of Construction and Architecture,
	Ukraine
	4) Tamara Liashchenko, Kyiv National University of Construction and
	Architecture, Ukraine
	5) Igor Achkasov, Kyiv National University of Construction and Architecture,
	Ukraine 6) Volodymyr Golonkov, Kyiy Notional University of Construction and
	6) Volodymyr Golenkov, Kyiv National University of Construction and
1	Architecture, Ukraine

	Using Artificial Intelligence to Convert Code to Another Programming Language
ID 163	1) Akzhan Adilzhan, Al-Farabi Kazakh National University, Kazakhstan
12 100	2) Nurlan Omarov, Al-Farabi Kazakh National University, Kazakhstan
	Development of Augmented Reality Game Using Computer Vision Technology
ID 167	1) Katipa Chizhimbayeva, G.Daukeyev Almaty University of Power Engineering
	and Telecommunications, Kazakhstan
	2) Kadirbayeva Gulim, G.Daukeyev Almaty University of Power Engineering and
	Telecommunications, Kazakhstan
	3) Yuliya Garmashova, G.Daukeyev Almaty University of Power Engineering and
	Telecommunications, Kazakhstan
	4) Mukhabbat Khizirova, G.Daukeyev Almaty University of Power Engineering
	and Telecommunications, Kazakhstan
	5) Andrey Potseluev,LinkMaster Kazakhstan LLP, Kazakhstan
	Possibility of using the Brillouin reflectometry method to determine
TD 454	deformations in bridge structures
ID 171	1) Nurgül Gürler, Istanbul Technical University, Turkiye
	2) Emre Arslan, Istanbul Technical University, Turkiye
	3) Ibraheem Shayea, Istanbul Technical University, Turkiye
	4) Ardak Mukhamedrakhimova, Astana IT University, Kazakhstan
ID 182	Diabetes Risk Prediction with Different Machine Learning Algorithms
ID 182	1) Meliha Çağla Kara, İstanbul Technical, Turkiye 2) Mehamad Elemina Banlakakal, University of M'hamad Bayrana Bayrandas
	2) Mohamed Elamine Benlakehal, University of M'hamed Bougara Boumerdes, Algeria
	3) Ibraheem Shayea, Istanbul Technical, Turkiye
	4) Akhmet Tussupov, Astana IT University, Kazakhstan
	5) Leila Rzayeva, Astana IT University, Kazakhstan
	Data Caching in Edge Computing: A Survey
16:00	Coffee break
16:20	SECTION 3. Emerging Trends and Technologies in IT Application
18:00	
TD 405	
ID 185	1) Aidos Askhatuly, Al-Farabi Kazakh National University, Kazakhstan
	2) Dinara Berdysheva, Al-Farabi Kazakh National University, Kazakhstan3) Didar Yedilkhan, Astana IT University, Kazakhstan
	4) Azamat Berdyshev, International Information Technology University,
	Kazakhstan
	1) Security Risks of ML Models: Adverserial Machine Learning
ID 191	2) Ruhi Zafer Caglayan, TED University, Turkiye
	3) Korhan Kayisli, Gazi University, Turkiye
	4) Resul Coteli, Firat University Elazig, Turkiye
	5) Ruslan Omirgaliyev, Astana IT University, Kazakhstan
	6) Nurkhat Zhakiyev, Astana IT University, Kazakhstan
	Artificial Intelligent Applications in Smart Cities
ID 212	1) Nurtugan Azatbekuly, Al-Farabi Kazakh National University, Kazakhstan
	2) Aksultan Mukhanbet, Al-Farabi Kazakh National University, Kazakhstan
	3) Samson Dawit Bekele, Al-Farabi Kazakh National University, Kazakhstan
	Development of an Intelligent Video Surveillance System Based on YOLO
	Algorithm
ID 225	1) Bilal Saoud, Bouira University, Algeria

	2) Akhmet Tussupov, Astana IT University, Kazakhstan
	3) Ibraheem Shayea, Istanbul Technical University, Turkiye
	4) Leila Rzayeva, Astana IT University, Kazakhstan
	Community structure detection in complex network based on MST and
	modularity
ID 254	1) Vasyl Lytvyn, Lviv Polytechnic National University, Ukraine
12 20 .	2) Nazar Oleksiv, Lviv Polytechnic National University, Ukraine
	3) Mariia Nazarkevych, Lviv Polytechnic National University, Ukraine
	Tanks detection and recognition based on custom dataset model
ID 258	Mikhail Suchkov, Kazakh-British Technical University, Kazakhstan
110 230	2) Bekzat Bekturgan, Kazakh-British Technical University, Kazakhstan
	· ·
	3) Amandyk Kartbayev, Kazakh-British Technical University, Kazakhstan
	Gamification Effects on Employee Engagement and Business Process Risk
ID 457	Evaluation Charles No. 11 Charles No
ID 276	1) Liubov Kubiavka, Taras Shevchenko National University of Kyiv, Ukraine
	2) Viktoria Zaremba, Taras Shevchenko National University of Kyiv, Ukraine
	3) Vadym Ziuziun, Taras Shevchenko National University of Kyiv, Ukraine
	Application of Game Theory Methods to Optimize the Stakeholder
	Management Process
19:00	Culture programme
14:30	SECTION 4. Data Science and Advanced Analytics
16:00	
ID 123	1) Yegor Matveyas, Almaty University of Power Engineering and
	Telecommunications, Kazakhstan
	2) Assel Mukasheva, Kazakh-British Technical University, Kazakhstan
	3) Didar Yedilkhan, Astana IT University, Kazakhstan
	4) Arailym Keneskanova, Almaty University of Power Engineering and
	Telecommunications, Kazakhstan
	5) Dastan Kambarov, Almaty University of Power Engineering and
	Telecommunications, Kazakhstan
	6) Dinargul Mukhammejanova, Al-Farabi Kazakh National University, Kazakhstan
	Research and development of sign language recognition system using neural
	network algorithm
ID 129	1) Temirkhan Darbek, Almaty university of power engineering and
	telecommunications, Kazakhstan
	2) Assel Mukasheva, Kazakh-British Technical University, Kazakhstan
	3) Alibek Bissembayev, Kazakh British Technical University, Kazakhstan
	4) Sergiy Gnatyuk, National Aviation University, Ukraine
	5) Dinargul Mukammejanova, Al-Farabi Kazakh National University, Kazakhstan
	Research and development of two-factor authentication methods using neural
	networks
ID 141	1) Artur Dossatayev, International Information Technology University, Kazakhstan
10 171	Deep Learning based Framework for Option Price Forecasting
ID 144	Aron Karatayev, Kazakh-British Technical University
117 177	2) Anna Ogorodova, Kazakh-British Technical University
	3) Pakizar Shamoi, Kazakh-British Technical University
	, ·
ID 155	Fuzzy Inference System for Test Case Prioritization in Software Testing
ID 177	1) Irina Mukambaeva, J. Balasagyn Kyrgyz National University, Kyrgyz Republic

	2) Aiganysh Sayakbaeva, J. Balasagyn Kyrgyz National University, Kyrgyz
	Republic
	3) Nelli Akylbekova, J. Balasagyn Kyrgyz National University, Kyrgyz Republic
	4) Nurbek Mukambaev, J. Balasagyn Kyrgyz National University, Kyrgyz
	Republic
	5) Asel Ermekova, J. Balasagyn Kyrgyz National University, Kyrgyz Republic
	6) Erkeaim Shambetova, J. Balasagyn Kyrgyz National University, Kyrgyz
	Republic
	Influence of the state investment budget on the Kyrgyz agricultural sector
TD 150	through data analysis
ID 179	1) Serhii Dolhopolov, Kyiv National University of Construction and Architecture,
	Ukraine
	2) Tetyana Honcharenko, Kyiv National University of Construction and
	Architecture, Ukraine
	3) Olena Fedusenko, Taras Shevchenko National University of Kyiv, Ukraine
	4) Volodymyr Khrolenko, Kyiv National University of Construction and
	Architecture, Ukraine
	5) Vladyslav Hots, Kyiv National University of Construction and Architecture,
	Ukraine
	6) Volodymyr Golenkov, Kyiv National University of Construction and
	Architecture, Ukraine Neural Network Threat Detection Systems for Deta Breach Protection
ID 101	Neural Network Threat Detection Systems for Data Breach Protection
ID 181	1) Hemayet Hossain Tuhin, Daffodil International University, Bangladesh
	2) Shah Md Tanvir Siddiquee, Daffodil International University, Bangladesh
	3) Md Abdul Kayum, Daffodil International University, Bangladesh
	4) Bishwajeet Pandey, Astana IT University, Kazakhstan
	5) Md Rahmatul Kabir Rasel Sarker, Daffodil International University, Bangladesh
	Identifying the Coconut Leaf Disease Using Deep Transfer Learning Approach
ID 188	1) Volodymyr Levytskyi, Kyiv National University of Construction and
	Architecture, Ukraine
	2) Pavlo Kruk, Kyiv National University of Construction and Architecture, Ukraine
	3) Oleksii Lopuha, Kyiv National University of Construction and Architecture,
	Ukraine
	4) Danylo Sereda, Kyiv National University of Construction and Architecture,
	Ukraine
	5) Viktor Sapaiev, Kyiv National University of Construction and Architecture,
	Ukraine
	6) Oleksii Matsiievskyi, Kyiv National University of Construction and
	Architecture, Ukraine
	Use of Deep Learning Methodologies in Combination with Reinforcement
	Techniques within Autonomous Mobile Cyber-Physical Systems
ID 189	1) Aibagarov Serik, Al-Farabi Kazakh National University, Kazakhstan
110	2) Aksultan Mukhanbet, Al-Farabi Kazakh National University, Kazakhstan
	Predicting Oil Recovery Coefficient with Machine Learning Methods on Data
	·
ID 197	Generated from the Buckley-Leverett Model 1) Vyriy Vochchyk, Ivon Fronko Notional University of Lyiy, Ukraina
ID 197	1) Yuriy Yashchuk, Ivan Franko National University of Lviv, Ukraine
	2) Yuliana Yurchenko, Ivan Franko National University of Lviv, Ukraine
	3) Nataliia Yurchenko, Uzhhorod National University, Ukraine
	4) Yurii Andrashko, Uzhhorod National University, Ukraine
	Enhancing OCR Model Training with Synthetic Data: A Case Study with
	SROIE Dataset
16:00	Coffee break

16:20	SECTION 4. Data Science and Advanced Analytics
18:00	
ID 198	1) Rustem Imanbek, Al-Farabi Kazakh National University, Kazakhstan
22 27 0	2) Zholdas Buribayev, Al-Farabi Kazakh National University, Kazakhstan
	3) Ainur Yerkos, Al-Farabi Kazakh National University, Kazakhstan
	4) Saida Shaikalamova, Al-Farabi Kazakh National University, Kazakhstan
	5) Zemfira Abdirazak, Al-Farabi Kazakh National University, Kazakhstan
	6) Daniyar Dauletiya, Astana IT University, Kazakhstan
	HRBwSD: Hybrid radial based with standard deviation
ID 205	1) Bekir Okudurlar, Istanbul Technical University, Türkiye
	2) Ibraheem Shayea, Istanbul Technical University, Türkiye
	3) Assiya Sarinova, Astana IT University, Kazakhstan
	4) Ibrahim Yazici, Turk Telekom, Türkiye
	A Machine Learning Approach for Predicting Temperature and Precipitation
	Patterns
ID 219	1) Dilara Abzhanova, Astana IT University, Kazakhstan
	2) Sapar Toxanov, Astana IT University, Kazakhstan
	3) Batyrbek Bakytkereiuly, Astana IT University, Kazakhstan
	4) Alexandr Neftissov, Astana IT University, Kazakhstan
	Development of a database for the main stationary sources of pollution with
ID 230	regulation of emissions quotas
1D 230	 Gaukhar Toktagulova, Astana IT University, Kazakhstan Aigul Mimenbayeva, Astana IT University, Kazakhstan
	Analysis of Machine Learning Algorithms for Forecasting Harvest Data in
	Kazakhstan
ID 238	1) Gulnara Abitova, State University of New York, USA
	2) Miras Abalkanov, Astana IT University, Kazakhstan
	Comparative Analysis of ML Algorithms for Fraud Detection
ID 239	1) Viktor Ladyzhets, Kyiv National University of Construction and Architecture,
	Ukraine
	2) Bogdan Yeremenko, Taras Shevchenko National University of Kyiv, Ukraine
	3) Svitlana Terenchuk, Kyiv National University of Construction and Architecture,
	Ukraine
	Candidate Generation for Meal Recommendation System
ID 251	1) Temirlan Meiramkhanov, Astana IT University, Kazakhstan
	2) Bogdan Savitskiy, Astana IT University, Kazakhstan
	3) Yerbol Irgaliyev, Astana IT University, Kazakhstan
ID 262	Analyzing and Responding to the Spread of COVID-19
ID 262	1) Aliya Nugumanova, Astana IT University, Kazakhstan
	2) Kurmash Apayev, D. Serikbayev East Kazakhstan Technical University, Kazakhstan
	3) Aldiyar Saken, Astana IT University, Kazakhstan
	4) Sultaniyar Quandyq, Astana IT University, Kazakhstan
	5) Aigerim Mansurova, Astana IT University, Kazakhstan
	6) Alibek Kamiluly, Astana IT University, Kazakhstan
	7) Nurkhat Zhakiyev, Astana IT University, Kazakhstan
	Developing a Kazakh question-answering model: standing on the shoulders of
	multilingual giants
L	

ID 266	1) Jagtap Sharad Sarjerao, Bharath Institute of Higher Education and Research,		
	India		
	2) Dr. G. Sudhagar, Bharath Institute of Higher Education and Research, India		
	Hybrid ABC-WOA based Machine Learning Approach for smart irrigation		
	system		
ID 268	1) Assylzhan Izbassar, Kazakh-British Technical University, Kazakhstan		
	2) Pakizar Shamoi, Kazakh-British Technical University, Kazakhstan		
	Image-Based Dietary Assessment: A Healthy Eating Plate Estimation System		
19:00	Culture programme		

Excursion program at the University for participants of

2024 IEEE International Conference on

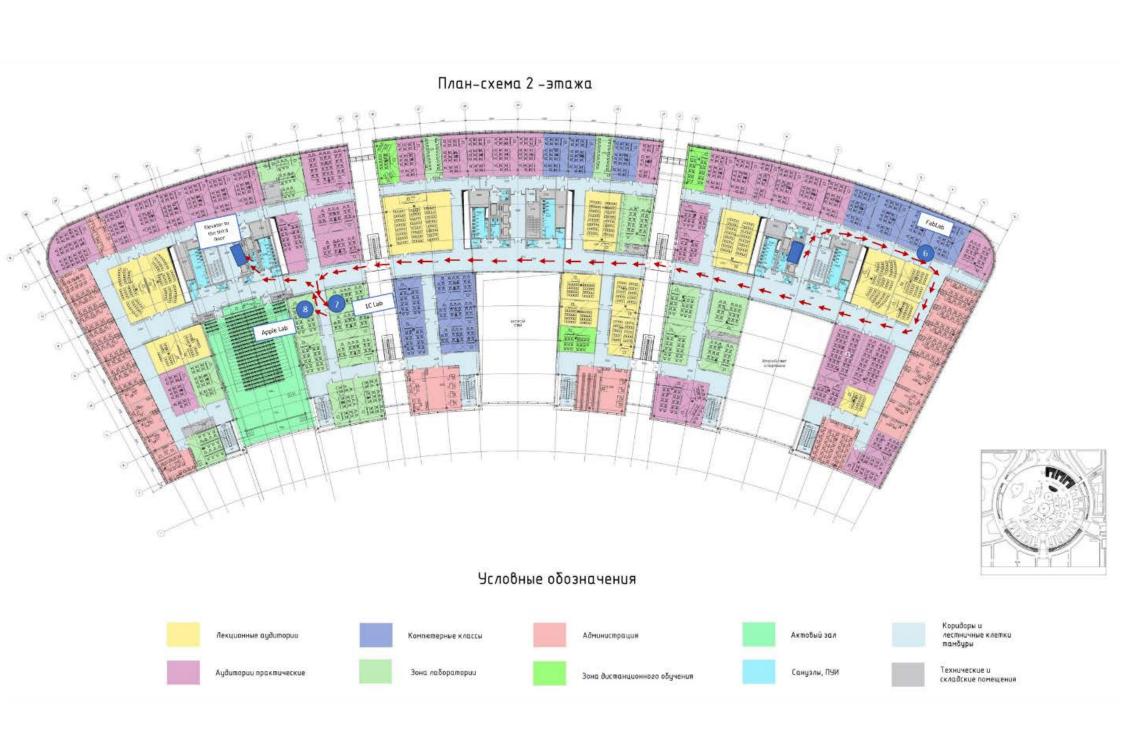
Smart Information Systems and Technologies

16 May 12:00 – 13:00

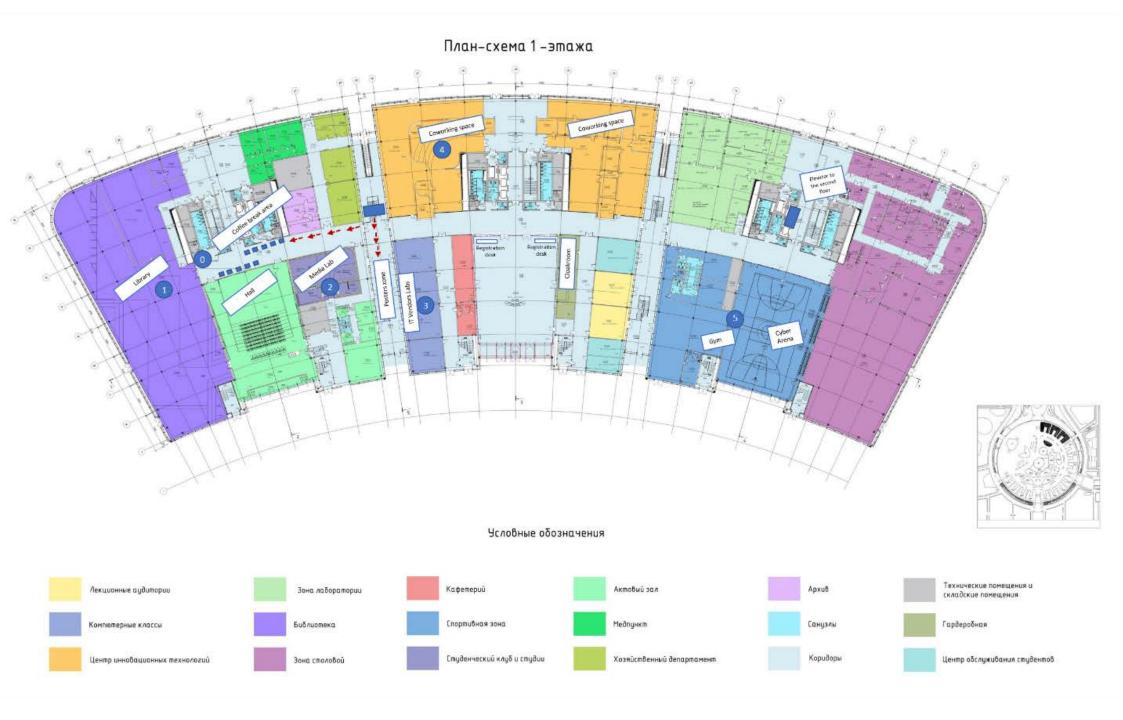
№	Venue	Time
1	Visit to the Scientific Library	4 min
2	Visit to the Media Laboratory	4 min
3	Visit to Coworking Space	4 min
4	Visit to the gym, Cyber Arena	4 min
5	Visit to scientific-innovation centers: Smart City,	10 min
	Industry 4.0, Big Data and Blockchain	
	Technologies	
6	Visit to FabLab	4 min











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