



2nd International Conference on Information Technologies and Their Applications

PROGRAM

April 23-25, 2024
Baku, Azerbaijan



Time-Table of the Conference

23 April (Tuesday)	
09:00 – 10:00	Registration
10:00 – 10:50	Opening Ceremony (Hall 1)
10:50 – 11:10	Coffee break
11:10 – 12:40	Plenary Session (Hall 1)
12:40 – 14:00	Section "Information Technology in Intelligent Systems" (Hall 1)
	Section "Information Technology in Construction, Industry, and Engineering" (Hall 2)
	Section "Information Technology in Modeling" (Hall 3)
14:00 – 14:45	Lunch break
14:45 – 16:00	Section "Information Technology in Intelligent Systems" (Hall 1)
	Section "Information Technology in Construction, Industry, and Engineering" (Hall 2)
	Section "Information Technology in Modeling" (Hall 3)
16:00 – 16:15	Coffee break
16:15 – 17:30	Section "Information Technology in Intelligent Systems" (Hall 1)
	Section "Information Technology in Construction, Industry, and Engineering" (Hall 2)
	Section "Information Technology in Modeling" (Hall 3)
24 April (Wednesday)	
10:00 – 11:00	Plenary Session (Hall 1)
11:00 – 11:20	Coffee break
11:20 – 13:00	Section "Information Technology in Intelligent Systems" (Hall 1)
	Section "Information Technology in Construction, Industry, and Engineering" (Hall 2)
	Section "Information Technology in Modeling" (Hall 3)
13:00 – 14:00	Lunch break
14:00 – 15:15	Section "Information Technology in Decision Making" (Hall 1)
	Section "Information Technology in Construction, Industry, and Engineering" (Hall 2)
	Section "Information Technology in Modeling" (Hall 3)
15:15 – 15:30	Coffee break

15:30 – 16:30	Section “Information Technology in Decision Making” (Hall 1)
	Section "Information Technology in Construction, Industry, and Engineering" (Hall 2)
	Section "Information Technology in Modeling" (Hall 3)
16:45 – 17:30	Closing Ceremony (Hall 1)
25 April (Thursday)	
Excursions	

The place where the conference will be held:

[Join Zoom](#)

Hall 1

Meeting ID: 843 9467 3762

Password: 880624

[Join Zoom](#)

Hall 2

Meeting ID: 974 3113 6811

Password: 186849

[Join Zoom](#)

Hall 3

Meeting ID: 981 9194 1048

Password: 369329

Azerbaijan University of Architecture and Construction,
Room 1311 of Building 1, Baku, Azerbaijan

Organizers

Ministry of Science and Education of the Republic of Azerbaijan

Azerbaijan University of Architecture and Construction

Institute of Control Systems (Azerbaijan)

Institute of Information Technology (Azerbaijan)

Bydgoszcz University of Science and Technology (Poland)

Ege University (Türkiye)

V.M. Glushkov Institute of Cybernetics (Ukraine)

Institute of Information and Computational Technologies
(Kazakhstan)

General Chair

Prof. Gulchohra Mammadova

Rector of the Azerbaijan University of Architecture and Construction

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Academic Secretary: Prof. Naila Musaeva (Azerbaijan)

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- Aslanova, Nigar (Azerbaijan)
- Aytaç, Aysun (Türkiye)
- Bagirov, Adil (Australia)
- Bashirov, Agamirza (Northern Cyprus)
- Bashirov, Rza (Northern Cyprus)
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- Chikriy, Arkadiy (Ukraine)
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- Gasimov, Yusif (Azerbaijan)
- Gorecki, Jaroslaw (Poland)
- Guliyev, Samir (Azerbaijan)
- Gürsoy, Arif (Türkiye)
- Hajiyev, Chingiz (Türkiye)
- Ibrahimov, Bayram (Azerbaijan)
- Jin, Jionghua (USA)
- Kasımpzade, Azer (Türkiye)
- Kasimbeyli, Refail (Türkiye)
- Kırılancı, Alpay (Türkiye)
- Kiedrowski, Piotr (Poland)

- Mahmudov, Elimhan (Türkiye)
- Mammadova, Masuma (Azerbaijan)
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- Mardani, Ali (Türkiye)
- Melikov, Agassi (Azerbaijan)
- Molina-Moreno, Valentín (Spain)
- Mordukhovich, Boris (USA)
- Nabiyev, Vasif (Türkiye)
- Nasiboglu, Efendi (Türkiye)
- Normatov, Ibrokhimali (Uzbekistan)
- Nunez-Cacho, Pedro (Spain)
- Nuriyev, Urfat (Türkiye)
- Oproescu, Mihai (Romania)
- Ordin, Burak (Türkiye)
- Polyak, Roman (USA)
- Rahimov, Anar (Azerbaijan)
- Rahimov, Rustam (Uzbekistan)
- Ramyar, Kambiz (Türkiye)
- Rustamov, Samir (Azerbaijan)
- Sadigov, Aminaga (Azerbaijan)
- Sattarova, Ulkar (Azerbaijan)
- Sidorenko, Sergii (Ukraine)
- Sladkowski, Aleksander (Poland)
- Stetsyuk, Petro (Ukraine)

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Chief of the Organizing Committee: Dr. Reshad Ismibayli
(Azerbaijan)

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- Imanov, Kamran (Azerbaijan)
- Isayev, Mazahir (Azerbaijan)
- Kasımpzade, Azer (Azerbaijan)
- Kazim-zade, Aydin (Azerbaijan)

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- Kuspangaliyev, Bolat (Kazakhstan)
- Mamedov, Israfil (Azerbaijan)
- Mamedov, Sabir (Azerbaijan)
- Mammadli, Maryam (Azerbaijan)
- Mammadov, Vusal (Azerbaijan)
- Nagdiyev, Orxan (Azerbaijan)
- Orujov, Orkhan (Azerbaijan)
- Pashayev, Adalat (Azerbaijan)
- Rzayev, Ramin (Azerbaijan)
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- Sabziev, Elkhan (Azerbaijan)
- Talibzada, Sarkhan (Azerbaijan)

23 April (Tuesday)

Program

2nd International Conference on Information Technologies and Their Applications (ITTA, April 23-25, 2024)

10:00 – 10:50

Opening Ceremony

Hall 1

Moderator – Nigar Aslanova

- Prof. Gulchohra Mammadova, Rector of the Azerbaijan University of Architecture and Construction (Azerbaijan)
- Prof. Aminaga Sadigov, Deputy Director of State Agency for Science and Higher Education (Azerbaijan)
- Prof. Misir Mardanov, Director General of the Institute of Mathematics and Mechanics (Azerbaijan)
- Prof. Boris Mordukhovich, Wayne State University (USA)

10:50 – 11:10

Coffee Break

11:10 – 12:40

Plenary Session

Hall 1

Moderator – Azer Kasimzade

1. Telman Aliev. Technologies and Systems for Monitoring the Onset of Accidents at Strategic Construction. (Azerbaijan University of Architecture and Construction, Azerbaijan)
2. Boris Mordukhovich. Convergence of Sharpness-Aware Minimization with Momentum. (Wayne State University, Detroit, USA)
3. Adil Bagirov. Global Optimization Strategies in Data Science. (Centre for Smart Analytics, Institute of Innovation, Science and Sustainability, Federation University Australia, Australia)

14:45 – 16:00

Hall 1

Section “Information Technology in Intelligent Systems”

Moderator – Masuma Mammadova

1. Hüseyin Tokat, Alpay Kırılancı. Perfect Roman Domination on Transformation Graphs. (Ege Üniversitesi / İzmir Ekonomi Üniversitesi, Türkiye)
2. Resmiye Nasiboglu, Efendi Nasibov. A WABL-Based Two-Dimensional Representative of Fuzzy Numbers. (Dokuz Eylül University, Türkiye)
3. Kübra Seyhan, Sedat Akleylek. A Comprehensive Comparison of Lattice-Based Password Authenticated Key Exchange Protocols Defined on Modules. (Ondokuz Mayıs Üniversitesi, Türkiye)
4. Afruz Gurbanova, Irada Alakbarova, Sabina Mammadzada. Development of a method for intellectual analysis of terminological dynamic processes. (Institute of Information Technologies, Azerbaijan)
5. Zarifa Jabrayilova, Masuma Mammadova, Minara Manafli, Nuru Bayramov, Mehriban Huseynova. An architecture and implementation principles of an expert system for the diagnosis of hepatocellular carcinoma. (Institute of Information Technology, Azerbaijan)
6. Roza Shahverdiyeva, Sunyakhanim Salimkhanova. Issues of developing the architectural-technological structure of the application of artificial intelligence technologies in the improvement of information support of model-type enterprises. (Institute of Information Technology, Azerbaijan)

16:00 – 16:15

Coffee Break

16:15 - 17:30

Hall 1

Section “Information Technology in Intelligent Systems”

Moderator – Naila Musaeva

1. Bayram Ibrahimov, Faqan Amaunulluzade, Rafael Huseynov, Teymur Ismayilov. Effectiveness Multiservice Converged Telecommunication Networks Using MPLS Technology. (professor, Department of Radioelectronic and Aerospace Systems, Azerbaijan Technical University,, Azerbaijan)
2. Alovzat Aliyev. Functional features and problems of developing the digital economy with Artificial Intelligence technologies. (Institute of Information Technology, Azerbaijan)
3. Shakir Mehdiyev. Assessing the Impact of Energy Consumption of Wireless Sensor Networks on the Fault Tolerance of Cyber-Physical Systems. (Institute of Information Technology, Azerbaijan)
4. Ismayil Ismayilov. Fuzzy-Sets-based multidisciplinary method for assessing the truthfulnesses of ethnonyms' etymologies through non-linguistic factors. (Azerbaijan University of Architecture and Construction, Azerbaijan)
5. Mazahir Isayev, Majid Gurbanov, Leyla Mahmudbeyli, Natavan Khasayeva, Sevil Isgandarova. The principle of development of an intelligent system of automatic calibration of control-measuring devices in flying machines. (Azerbaijan University of Architecture and Construction, Azerbaijan)

12:40 – 14:00

Hall 2

Section “Information Technology in Construction, Industry, and Engineering”

Moderator – Aydin Kazim-Zada

1. Perviz Ahmedzade, Burak Yiğit Katanalp, Murat Taştan, Çiğdem Canbay Türkyılmaz, Emrah Türkyılmaz. Optimizing

the performance characteristics of SBS and Geopolymer modified bitumen: A Data-Driven approach with ANN and Design Expert Software. (Samarkand State Architectural and Civil Engineering University, Uzbekistan)

2. Orhan Kirci, Chingiz Hajiyeu. Three-Axis Attitude Determination of a Nanosatellite using Optimized TRIAD Algorithms. (Istanbul Technical University, Türkiye)
3. Enrico Zacchei, Emilio Bastidas-Arteaga, Ameer Hamani. Disaggregation analyses of the external/internal parameters for chloride diffusion in concrete structures: Artificial intelligence by k-means algorithm. (Itecons Institute, Portugal)
4. Enrico Zacchei, Reyolando Brasil. K-means for small earthquakes. Alternative disaggregation analyses by considering wave components and soil types. (Itecons Institute, Portugal)
5. Yi Tang, Dmitry Pertsau, Di Zhao, Dziana Kyprianava, Mikhail Tatur. LANet: Lightweight Attention Network for Medical Image Segmentation. (Belarusian State University of Informatics and Radioelectronics, China)
6. Dina Oralbekova, Orken Mamyrbayev, Keylan Alimhan, Nurdaulet Zhumazhan. Empirical Analysis of Conformer Impact on the CTC-CRF Model in Kazakh Speech Recognition. (Institute of information and computational technologies, Kazakhstan)
7. Aydin Kazim-Zada, Hayat Huseynova. Information-Retrieval System of Rock Pictures of Different Countries and Continents. (Azerbaijan University of Architecture and Construction, Azerbaijan)

23 April (Tuesday)

14:45 – 16:00

Hall 2

**Section “Information Technology
in Construction, Industry, and
Engineering”**

Moderator – Efendi Nasibov

1. Varol Şahin, Hami Satılmış, Bilge Kağan Yazar, Sedat Akleylek. Anomaly Detection with Machine Learning Models Using API Calls. (Ondokuz Mayıs University, Türkiye)
2. Eissa Alzabidi, Oğuz Findik. Optimizing Feature Distributions for Unsupervised Deep Learning-based Fabric Defect Detection and Localization. (Karabuk University, Türkiye)
3. Tukezban Hasanova, Jamila Imamaliyeva. Dynamic characteristics of buildings based on vibration signal processing. (Azerbaijan University of Architecture and Construction, Azerbaijan)
4. Hasan Kinatas, Chingiz Hajiyev. Preliminary Orbit Estimation for Turksat 5B via Extended and Unscented Kalman Filtering. (M.Sc. Student at Istanbul Technical University, Türkiye)
5. Maha Ahmed Abdullah Albayati, Oğuz Findik. Turkish legal single-document summarizing using hyper methods. (Karabük university, Türkiye)
6. Chingiz Hajiyev, Demet Cilden-Guler. Influence of Process Noise Biases to Satellite Attitude Filters’ Estimates. (Istanbul Technical University, Türkiye)

16:00 – 16:15

Coffee Break

16:15 - 17:30

Hall 2

Section “Information Technology in Construction, Industry, and Engineering”

Moderator – Elshan Mustafayev

1. Samira Akbarova, Gulchohra Mammadova. Innovative construction technologies for smart villages: case study Karabakh. (Azerbaijan University of Architecture and Construction, Azerbaijan)
2. Azer Kerimov. The Integration of Additive Techniques for Triangle Class Recognition. (Institute of Control Systems, Azerbaijan)
3. Ajesh F, Vugar Abdullayev, Triwiyanto Triwiyanto, Felix M Philip, Sabir Mammadov, Dursun Khurshudov, Samira Aliyeva, Taleh Asgarov, Shafi Danyalov. Securing Vehicular Ad-Hoc Networks: A Blockchain and Software Defined Network Approach for Enhanced Efficiency, Safety, and Security. (Sree Buddha College of Engineering, Pattoor, Alappuzha, Kerala, India)
4. Samir Suleymanov, Azad Bayramov. Unmanned Vehicle Control Architecture Based On Artificial Intelligence. (Institute of Geology and Geophysics, Azerbaijan)
5. Vugar Abdullayev, Ajesh F, Allen Shabu, Sabir Mammadov, Shafi Danyalov, Dursun Khurshudov, Yaqub Sardarov, Samira Aliyeva. Enhanced Virtual Assistant for Visually Impaired Individuals with Py-thon-based Voice Assistant (FRIDAY). (Azerbaijan University of Architecture and Construction, Azerbaijan)
6. Dursun Khurshudov, Akif İmanov, Jamalladdin Nuraliyev, Malahat Nagiyeva, Samira Aliyeva. Vulnerability assessment and penetration testing of university network. (Azerbaijan University of Architecture and Construction, Azerbaijan)

23 April (Tuesday)

12:40 – 14:00

Hall 3

Section “Information Technology in Modeling”

Moderator – Yegana Ashrafova

1. Samir Quliyev. Automated and Automatic Systems of Management of a Programs Package for Making Optimal Decisions. (Azerbaijan State Oil and Industry University; Institute of Control Systems, Azerbaijan)
2. Vasyly Gorbachuk, Maksym Dunaievskiy, Seit-Bekir Suleimanov. Models of Group Decision Making and Their Applications. (V.M.Glushkov Institute of Cybernerics of NAS of Ukraine, Ukraine)
3. Iclal Gör. Enhancing Particle Swarm Optimization with Spherical Domination Strategy. (Aydin Adnan Menderes University, Türkiye)
4. Perizat Omarova, Timur Merembayev, Yedilkhan Amirgaliyev. Modeling of Shardara Reservoir siltation using ANSYS and satellite data (Syrdarya River, Kazakhstan). (Institute Information and Computational Technologies CS MES RK, Kazakhstan)
5. Mikhail Smirnov, Maria Smirnova, Nikolay Smirnov, Tatiana Smirnova. Motion Control in a Disturbed Environment. (St. Petersburg State University, Russia)

14:00 – 14:45

Lunch Break

14:45 – 16:00

Hall 3

Section “Information Technology in Modeling”

Moderator – Samir Guliyev

1. Petro Stetsyuk, Viktor Stovba, Mykola Korablov. Using of Ellipsoid Method for Finding Linear Regression Parameters

with L1-regularization. (V.M. Glushkov Institute of Cybernetics of the NAS of Ukraine, Ukraine)

2. Nargiz Khankishiyeva Hati. Towards comparison of various variants of CKKS. (Ege University, Türkiye)
3. Azer Kasimzade, Emin Nematli. Recent Developments on Passive control of High Reliable Structures. (Azerbaijan University of Architecture and Construction, Azerbaijan)
4. Mehmet Fatih Ertürk, Chingiz Hajiyeu. Optimal Tuning of the Nanosatellite Attitude Controller Using TRIAD-Aided Kalman Filter and Particle Swarm Optimization. (Turkish Aerospace Industries, Türkiye)
5. Geylani Panahov, Eldar Abbasov, Shahin Ismayilov, Ibrahim Mamedov. Modelling of water-saturated formations insulation with gel-forming compositions. (Institute of Mathematics and Mechanics of the Science and Education Ministry of Azerbaijan Republic, Azerbaijan)
6. Adil Ziraoui, Benaissa Kissi, Hassan Aaya. Finite Element Modeling and Seismic Response Analysis of a Hyperbolic Cooling Tower. (University of Hassan II, ENSAM, LISPSII, Casablanca, Morocco)

16:00 – 16:15

Coffee Break

16:15 - 17:30

Hall 3

Section “Information Technology in Modeling”

Moderator – Jamila Asadova

1. Elshad Ismibayli, Yusif Gaziyeu. Finite Element Method For Modelling Electromagnetic Microwave Fields Of Information Transmission Lines. (Azerbaijan)
2. Reshad Ismibayli, Sona Rzayeva. An Interactive intelligent system of creating a class schedule. (University of Architecture and Construction, Azerbaijan)

3. Samira Hasanova. Construction of a diagnostic algorithm for soil identification according to the international soil classification system WRB. (Institute of Control Systems, Azerbaijan)
4. Ashraf Balametov, Elman Xalilov, Tarana Isayeva, Tofiq Yaqublu. Selection of Facts Placements for Optimal Control of Power System Modes. (Azerbaijan Scientific Research and Design-Survey Institute of Energy, Azerbaijan)
5. Vugar Abdullayev, Triwiyanto T, Nazila Ragimova, Vusala Abuzarova, Ajesh F, Yitong Niu, Alok Singh Chauhan, Andrei Korneev, Taleh Asgarov, Sabir Mammadov, Shafi Danyalov. Building an Internet of Things Ecosystem: Design and Testing. (Azerbaijan State Oil and Industry University, Azerbaijan)
6. Rana Huseynova, Gunel Aliyeva. Investigation of observation conditions and detection distance of aircraft in the thermal range. (Azerbaijan University of Architecture and Construction (AUA&C), Azerbaijan)

10:00 – 11:00

Plenary Session

Hall 1

Moderator – Aminaga Sadigov

1. Sedat Akleylek. Cyber Security Challenges and Opportunities in the Quantum Era. (Institute of Computer Science, University of Tartu, Tartu, Estonia)
2. Efendi Nasiboglu. Fuzzy Decision Models Based on City Public Transportation Network Data. (Computer Science Department, Dokuz Eylul University, Izmir, Türkiye)

11:00 – 11:20

Coffee Break

11:20 – 13:00

Hall 1

Section “Information Technology in Intelligent Systems”

Moderator – Elkhan Sabziev

1. Sonay Rezai Vahid, Vagif Gasimov. The Current State of Development of the Smart Home Concept. (Azerbaijan State University of Economics (UNEC), Azerbaijan)
2. Munir Ahmad, Shehroz Afzal. Privacy-Preserving Machine Learning Techniques for Secure Data Sharing and Analysis. (Abasyn University Peshawar (Islamabad Campus), Pakistan)
3. Gulnara Nabibayova. Development of a distributed smart OLAP system in an e-government environment. (Institute of Information Technology, Azerbaijan)
4. Ramazan Koyuturk, Urfat Nuriyev, Ugur Oner. Implementation the Security of the Certificate Authority Server (CAS) System to Provide Secure Communication in OCPP 1.6 and 2.0. (Ege university, Türkiye)
5. Rashid Alakbarov, Oktay Alakbarov. Development of a model of efficient use of cloudlets in mobile cloud computing networks. (Institute of Information Technology, Azerbaijan)

24 April (Wednesday)

6. Bayram İbrahimov, Almaz Aliyeva, Ulvi Rafizade. Research on the Effectiveness of Wireless Networks Cellular Communications Based on Digital Technologies. (professor, Department of Radioelectronic and Aerospace Systems, Azerbaijan Technical University, Azerbaijan)
7. Vugar Abdullayev, Andrei Korneev, Yitong Niu, Triwiyanto T, Ajesh F, Alok Singh Chauhan, Vusala Abuzarova, Nazila Ragimova, Shafi Danyalov, Sabir Mammadov. The Use of Artificial Intelligence in the Modern World and Development Prospects. (Azerbaijan State Oil and Industry University, Azerbaijan)

13:00 – 14:00

Lunch Break

14:00 – 15:15

Hall 1

Section “Information Technology in Decision Making”

Moderator – Tahir Alizada

1. Yegana Ashrafova, Kamil Aida-Zade. Detection of leaks in the water distribution network. (Baku State University, Institute of Control Systems, Azerbaijan)
2. Arzu Bagirov, Tatiana Gunkina, Alexander Handzel. Numerical Solution to a Problem of Optimizing Placement and Flow Rates of Wells. (Institute of Control Systems, Azerbaijan)
3. Majid Abbasov, Kira Dmitrieva. Application of the RRT* and RRT-connect algorithms for finding the optimal trajectory in the sense of construction cost. (St. Petersburg State University, SPbSU, 7/9 Universitetskaya nab., St. Petersburg, 199034 Russia)
4. Majid Abbasov, Lyudmila Polyakova. Finding a Minimum Distance Between Two Smooth Curves in 3D space. (St.

24 April (Wednesday)

Petersburg State University, SPbSU, 7/9 Universitetskaya nab., St. Petersburg, 199034 Russia, Russia)

5. Jamila Asadova. On Numerical Solution of Block-Structured Discrete Systems. (Az. University of Architecture and Construction, Institute of Control Systems of NANA, Azerbaijan)
6. L.M.R.J Lobo, Vijay Athavale. Finding the Best Solutions to Problems using Innovative Algorithms Offered by Data Mining. (WIT,Solapur, India)

15:15 – 15:30

Coffee Break

15:30 - 16:30

Section “Information Technology in Decision Making”

Hall 1

Moderator – Anar Rahimov

1. Arkadii Chikrii, Greta Chikrii, Viktor Kuzmenko. Time Dilation Principle to Solve Game Problems of Control. (V.M. Glushkov Institute of Cybernetics of NAS Ukraine, Ukraine)
2. Majid Abbasov, Anna Belenok, Anna Gorbunova. Obtaining a parametric equation for the road trajectory which is optimal in terms of construction costs. (St. Petersburg State University, SPbSU, 7/9 Universitetskaya nab., St. Petersburg, 199034 Russia)
3. Gulchohra Mammadova, Reshad Ismibayli, Sona Rzayeva. “Schedule” system for universities under the bologna education process. (Azerbaijan University of Architecture and Construction, Azerbaijan)
4. Kamil Aida-Zade, Vugar Hashimov. Optimal placement of vibration damping stabilizers for a two-dimensional slab. (Institute of Control Systems, Azerbaijan)

24 April (Wednesday)

11:20 – 13:00

Hall 2

**Section “Information Technology
in Construction, Industry, and
Engineering”**

Moderator – Adalat Pashayev

1. Ufuk Asil, Efendi Nasibov. Conservation of Wildlife in Hunting Tourism Using Artificial Intelligence and Image Processing in Smart Firearms. (Dokuz Eylül University, Türkiye)
2. Salsabila Benghazouani. Optimizing Microarray Gene Selection in Colon Cancer: An Enhanced Metaheuristic Algorithm for Feature Selection. (Department of Mathematics and Computer Science, Faculty of Sciences Ben M’Sik, Hassan II University, Morocco)
3. Nurşah Çevik, Sedat Akleylek. Comparison of Machine Learning based Anomaly Detection Methods for ADS-B System. (HAVELSAN, Ankara, Türkiye, Türkiye)
4. Aydan Aghabayli, Ricardo de Matos Camarinha, Manuel Esteves Luís, José Luís Granja, Bruno Figueiredo. Machine Learning Applied to BIM: BIM2GNN Framework. (University of Lisbon, CIAUD, School of Architecture, Portugal)
5. Daniil Shunkevich, Valerian Ivashenko. Ontological approach to describing the interaction of information processes in intelligent systems. (Belarusian State University of Informatics and Radioelectronics, Belarus)
6. Adalat Pashayev, Ulviyya Goyushova, Sadiq Malikov. On the road identification method from images. (Institute of Control Systems, Azerbaijan)

13:00 – 14:00

Lunch Break

24 April (Wednesday)

14:00 – 15:15

Hall 2

**Section “Information Technology
in Construction, Industry, and
Engineering”**

Moderator – Elshan Mustafayev

1. Ivan Zverev, Anna Zykina. Algorithm for distributing incoming messages among handlers. (Omsk State Technical University, Russia)
2. Merve Özkan, Caner Özcan. Image Processing Based Wood Defect Detection. (Karabuk University, Türkiye)
3. Elshan Mustafayev, Rustam Azimov. Computer System of Evaluation of the Mass Exam Results Based on Recognition of Handprinted Azerbaijani Characters. (Institute of Control Systems, Azerbaijan)
4. Caner Kıvanç Hekimoğlu, Mehmet Süleyman Ünlütürk, Aybüke Keçeci, Muhterem Kamil Bilir. Application of a Fashion Consultant Software Utilizing Neural Networks in Ready-to-wear Cloth Retailing. (Yaşar University, Türkiye)
5. Elgin Kilic. On Average Weighted Vertex Domination. (Ege University, Türkiye)
6. Metanet Huseynova, Gunel Celilova, Ramiz Eminov. Layered infrared signature segmentation method for monitoring the surface temperature of objects. (Azerbaijan Technical University, Azerbaijan)

15:15 – 15:30

Coffee Break

15:30 - 16:30

Hall 2

**Section “Information Technology
in Construction, Industry, and
Engineering”**

Moderator – Mazahir Isayev

24 April (Wednesday)

1. Uğur Turhal, Asuman Günay Yılmaz, Vasif Nabiyev. Lightweight Hybrid CNN Model for Face Presentation Attack Detection. (Bayburt University, Türkiye)
2. Beyza Akyıldız, Caner Özcan. Deep Learning Based Cervical Cell Classification from Pap Smear Images. (Karabük University Computer Engineering Department, Türkiye)
3. Triwiyanto T, Vugar Abdullayev, Sabir Mammadov, Shafi Danyalov, Latafat Mikailzade, Ibrahim Abbasov, Taleh Asgarov. Significance and Processing of Signals. (Department of Medical Electronics Technology, Poltekkes Kemenkes Surabaya, Indonesia)
4. Beyza Akyıldız, Caner Özcan, İsmail Rakıp Karaş. Graph Cuts in Image Segmentation: A Review. (Karabük University Computer Engineering Department, Türkiye)

11:20 – 13:00

Hall 3

Section “Information Technology in Modeling”

Moderator – Eldar Abbasov

1. Andrey Rychkov, Majid Abbasov. Application of the simulated annealing algorithm for finding the optimal trajectory in the sense of construction cost. (St. Petersburg State University, SPbSU, 7/9 Universitetskaya nab., St. Petersburg, 199034 Russia)
2. Hathaichanok Parakarn, Buddhathida Wangsrimongkol, Nawapak Eua-Anant, Tatpong Katanyukul. Bridge Model for Individualized Digital NasoAlveolar Molding using Uniform Cross-Section Elliptic Segment. (Khon Kaen University, Thailand)
3. Azer Kasimzade, Emin Nematli, Eldaniz Mahmudov, Nicat Huseynli. System Identification for Non-Destructive Assessment of Structures: Lessons Learned. (Azerbaijan University of Architecture and Construction, Azerbaijan)

24 April (Wednesday)

4. Gorkhmaz Imanov, Asif Aliyev. Pythagorean fuzzy pattern recognition model in the as-sessment of social inclusion index for Azerbaijan. (Institute of Control Systems, Ministry of Science and Education, Azerbaijan)
5. Fidan Nuriyeva. Algorithm for Circuit Covering the Euclidean Complete Graph. (Dokuz Eylul University, Department of Computer Science, Türkiye)
6. Anar Rahimov. Numerical solution to a problem of determining parameters of oil field and boundaries of their constancy domains. (Institute of Control Systems of The Ministry of Science and Education of Republic of Azerbaijan, Azerbaijan)
7. Mikhail Saveliev, Anna Zykina. Determining the Minimum Operational Period of the Refinery Production Operation Plan. (Omsk State Technical University, Russia)

13:00 – 14:00

Lunch Break

14:00 – 15:15

Section “Information Technology in Modeling”

Hall 3

Moderator – Anar Rahimov

1. Elkhan Sabziev, Adalat Pashayev. Modeling Quadcopter Stabilization. (Institute of Control Systems, Azerbaijan)
2. Mykola Zhurbenko, Tamara Bardadym. On the Calculation of the Boiler Thermal Diagram.. (V.M. Glushkov Institute of Cybernetics of the National Academy of Sciences of Ukraine, Ukraine)
3. Geylani Panahov, Eldar Abbasov, Ibrahim Mamedov, Afet Yuzbashiyyeva. Modelling of in-situ gas generation in inhomogeneous porous medium. (Institute of Mathematics and Mechanics, Azerbaijan)

24 April (Wednesday)

4. Lamiya Nabadova, Elkhan Sabziev. Calculation of direction angles of video camera to UAV with stable and uniform motion. (Institute of Control Systems, Azerbaijan)
5. Ibrokhimali Normatov, Ruzmat Dadazhanov, Maruf Juraev, Alisher Otakhonov, Muzaffar Atajanov. Modeling of Free Space in Porous Media by Hydrodynamic Methods. (National University of Uzbekistan after named Mirzo Ulugbek, Uzbekistan)
6. Kamil Aida-Zade, Samir Guliyev. Determination of the Nonlinear Resistance Coefficient of a Linear Section of a Water Supply Network. (Institute of Control Systems, Azerbaijan)

15:15 – 15:30

Coffee Break

15:30 - 16:30

Hall 3

Section “Information Technology in Modeling”

Moderator – Samir Guliyev

1. Vahid Kadymov, Evgeny Sosenushkin, Elena Yanovskaya. Contact problem of complex loading of a plastic strip. (IMIREA-Russian Technological University, (MIREA-RTU), 119454, Moscow, Russia)
2. Islam Islamov, Nigar Malikova Akhmadova. Electrodynamics Modeling of Microwave Signal Antenna. (Baku Engineering University, Azerbaijan)
3. Nigar Abasova, Maryam Mammadli. Application of active experiment planning methods for determining the coefficients of the regression equation to determine the optimal composition of the mixture in the production of ceramic products. (Azerbaijan University of Architecture and Construction, Azerbaijan)

24 April (Wednesday)

4. Mazahir Isayev, Majid Gurbanov, Akif Imanov, Malahat Nagiyeva, Mazahim Guliyev. The concept of designing information-measurement systems for the detection of landslide areas. (Azerbaijan University of Architecture and Construction, Azerbaijan)
5. Rahim Mammadzada, Rufat Mammadzada. Fuzzy Logic Control in Temperature Sensing Systems: An In-Depth Review of Sensor Integration Techniques. (Azerbaijan State Oil and Industry University, Azerbaijan)

16:45 – 17:30

Closing Ceremony

(Hall 1)

All questions you can address to
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