

**МИНИСТЕРСТВО ВЫСШЕГО ОБРАЗОВАНИЯ, НАУКИ И ИННОВАЦИИ
РЕСПУБЛИКИ УЗБЕКИСТАН**



**НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ
«ТАШКЕНТСКИЙ ИНСТИТУТ ИНЖЕНЕРОВ ИРРИГАЦИИ И
МЕХАНИЗАЦИИ СЕЛЬСКОГО ХОЗЯЙСТВА»**

ПРОГРАММА

Совместного Пленарного заседания международных конференций “Construction Mechanics, Hydraulics and Water Resources Engineering – CONMECHYDRO 2023 AS” и «Water, Energy and Food Security in the Context of Global Climate Change and Water Scarcity» WEFClm - 2023

(<https://conmechhydro.uz>)

22-23 декабря 2023 года

Формат проведения конференции: Онлайн/Офлайн

Место проведения: город Ташкент, улица Кары Ниёзий 39.

Специальная аудитория Б-207 “Агробанк”

Язык конференции: английский, русский, узбекский.

Конференц-платформа для онлайн-участников:

<https://us06web.zoom.us/j/87185247694?pwd=cXpqRTZsQzJJM3hWZjFtY1hrc2NiZz09>

(ID: 871 8524 7694, пароль: 666444)

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Ташкент – 2023

22 декабря, пятница
Открытие конференции
11:00-12:00

Вступительное слово

11:00. *Мирзаев Баходир Суюнович, ректор Национального исследовательского университета «ТИИИМСХ», доктор технических наук, профессор, Узбекистан (онлайн)*

Приветственные слова:

11:10. *Акимов Павел Алексеевич, ректор Национального исследовательского университета МГСУ, доктор технических наук, профессор, академик РААСН, Российская Федерация (онлайн)*

11:15. *Базаров Орифжон Шадиевич Ректор Каршинского инженерно-экономического института, кандидат физико-математических наук, доцент (онлайн)*

11:20. *Мухтар Казбекович Байжуманов Председатель Правления-Ректор Таразского регионального университета имени М.Х.Дулати, кандидат физико-математических наук, профессор (онлайн)*

11:25. *Гапуров Аллаберди Какабаевич Ректор Туркменского сельскохозяйственного университета им. С.А.Ниязова, кандидат сельскохозяйственных наук (онлайн)*

11:30. *Бабурин Вячеслав Леонидович Профессор кафедры «Экономической и социальной географии» Московского государственного университета имени М.В.Ломоносова, доктор географических наук (онлайн)*

11:35. *Пулатов Яраш Эргашевич Профессор Института водных проблем, гидроэнергетики и экологии Национальной академии наук Таджикистана, доктор сельскохозяйственных наук, член Российской академии наук (РАН), профессор Академического Союза Оксфорд, председатель водного партнерство Таджикистана, заведующий отделом инновационных технологий (онлайн)*

11:40. *Байбагышев Эрмек Муратканович* Ректор Нарынского Государственного университета, кандидат технических наук, профессор

Основные научные доклады

11:45. *Ватин Николай Иванович,* Директор Научно-технологического комплекса «Цифровой инжиниринг в гражданском строительстве», Главный научный сотрудник Лаборатории защищенных и модульных сооружений, заведующий лабораторией самовосстанавливающихся конструкционных материалов Санкт-Петербургский политехнический университет Петра Великого, доктор технических наук, профессор, Россия (онлайн)

12:00. *Козлов Дмитрий Вячеславович,* Заведующий кафедрой гидравлики и гидротехнического строительства Национального исследовательского Московского строительного университета, доктор технических наук, профессор, Россия (онлайн)

12:15. *Вопросы – ответы, завершение первого дня конференции*

23 ДЕКАБРЯ, СУББОТА, НАЧАЛО В 10.00 ЧАСОВ ПО ТАШКЕНТСКОМУ ВРЕМЕНИ

Секция 1: ECOLOGY, HYDROPOWER ENGINEERING AND MODELING OF PHYSICAL PROCESSES

АУДИТОРИЯ Б.109

МОДЕРАТОРЫ: УРАЛОВ БАХТИЯР РАХМАТУЛЛАЕВИЧ И КАН ЭДУАРД КЛИМЕНТОВИЧ

Для онлайн участников платформа конференции:

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ID 860 2376 9401, password: 804146

Sub.	Authors	Title	Section	University
41	Yadgarov Sirojiddin Nomozovich, Sayfutdinova Ruzigul Abilkasimovna, Axrarov Abrorbek Muxammadaliyevich, Muminov Qurbon Ochilovich	CLIMATE FACTORS CHANGE RESEARCH FOR THE OPERATING CONDITIONS OF HIGHWAYS PASSING THROUGH MOUNTAINOUS AREAS	Ecology, hydropower engineering and modeling of physical processes	Tashkent State Transport University
42	Mirzakhid Miralimov, Shakhboz Normurodov Abdullaziz Karshiboev, Ismoil Mengliev	Numerical modeling of compression waves in heterogeneous media with energy dissipation at boundaries	Ecology, hydropower engineering and modeling of physical processes	Tashkent State Transport University
48	Yadgarov Sirojiddin Nomozovich, Jumayev Abdusalom, Yuldashev Akmal, Muminov Qurbon Ochilovich	STUDY OF CLIMATE CHANGE FACTORS FOR THE OPERATIONAL CONDITIONS OF MOTORWAYS THROUGH MOUNTAIN REGIONS	Ecology, hydropower engineering and modeling of physical processes	Tashkent State Transport University
51	Nasibov B.R., Kamalova M.J., Yuldasheva CH.A., Nazarov Kh.	Monitoring of salinity level of irrigated lands and groundwater in Andijan region	Ecology, hydropower engineering and modeling of physical processes	"TIAME" NRU
52	Nasibov B.R., Yodgarova D.Sh., Iskhakova Sh.M.	THE IMPORTANCE OF AQUATIC PLANTS IN THE BIOLOGICAL TREATMENT OF INDUSTRIAL WASTEWATER	Ecology, hydropower engineering and modeling of physical processes	"TIAME" NRU
57	Sodiqov Jamshid Ibrohim o'g'li, Yadgarov Sirojiddin Nomozovich, Musulmanov Kuvonchbek	THE INFLUENCE OF WEATHER AND CLIMATE FACTORS ON THE OPERATIONAL CONDITIONS OF ROADS THROUGH MOUNTAIN REGIONS	Ecology, hydropower engineering and modeling of physical processes	Tashkent State Transport University
67	M.E.Sattarov, K.B.Sakiev,	Mapping soil temperature of Zomin National Nature	Ecology, hydropower	"TIAME" NRU

	Kh.K.Ruzimova,	Park based on meteorological data using ArcMap software	engineering and modeling of physical processes	
69	Nasibov B.R., Abdullaev B.D., Khomidov A.O., Abdullaev Bm.D,Abdukodirova M.N., Atabayeva N.K., Azimova D.O.	Monitoring the decline of plants and trees in Andijan and valley regions through artificial road images, determining the changes in groundwater conditions with the help of GIS technologies.	Ecology, hydropower engineering and modeling of physical processes	"TIAME" NRU
113	A.A. Abdullaev, K.R. Zhuvonov, and J.A. Xolbekov	About one nonlocal boundary problem for a model equation describing the processes of anomalous diffusion	Ecology, hydropower engineering and modeling of physical processes	"TIAME" NRU
114	A.A. Abdullaev, A. Mardiev, B.Z Usmonov and D.M. Makhmudova	On the unique solvability of a boundary value problem with an integral condition for a model equation of the second kind	Ecology, hydropower engineering and modeling of physical processes	"TIAME" NRU
120	Xolmeli Qoraqulov, Zafar Maxkamov, Olmos Zafarov, Eldor Mo'minov, Sarvar Musurmonov, Berdiyoy Alishov	Innovative solutions for the design and construction of modern cement concrete roads in the dry-hot climate of the Republic of Uzbekistan	Ecology, hydropower engineering and modeling of physical processes	Jizzakh polytechnic institute
121	Kadirjon Mingboyev, Elboy Kurbanov, Farrux Oxunov, Olmos Zafarov	Evaluation of engineering-geological and hydrogeological conditions in mining industry facilities	Ecology, hydropower engineering and modeling of physical processes	University of geological sciences, "Institute of Hydroengeo" SE
124	Bakhodir Mirzaakhmedov, Shukhrat Shodjalilov, Shakhnoza Khalimova, Rano Djumaniyazova	METHOD OF SIMULATION OF INTERNAL TECHNICAL CAPABILITIES OF VEHICLES	Ecology, hydropower engineering and modeling of physical processes	Tashkent State Transport University
127	A.A. Abdullaev, M.Hidoyatova and B.Z. Usmonov	On the existence of a solution to a boundary value problem with an integral condition for one model equation of the second kind	Ecology, hydropower engineering and modeling of physical processes	"TIAME" NRU
128	A.A. Abdullaev, N.M. Safarbaeva and B.Z.Usmonov	Dirichlet problem for one third-order model equation of mixed-composite type	Ecology, hydropower engineering and modeling of physical processes	"TIAME" NRU
129	A.A Abdullaev, Kh.Islamov, N.M.Normetova and O.R.Bozorova	On the proof of the uniqueness of solution a boundary value problems for one model equation of second kind.	Ecology, hydropower engineering and modeling of physical processes	"TIAME" NRU
143	Rizaev A.A., Alimova D.B., Alimov B.M.	Kinematic modeling by definition spindle rotation frequencies in the device of the cotton harvesting machine	Ecology, hydropower engineering and modeling of physical processes	Tashkent State Transport University
225	D.K.Muhamediyeva, N.S.Mirzayeva and M.Y.Doschanova	Self-similar solutions of the reaction-diffusion system; change in the density of biological cells	Ecology, hydropower engineering and modeling of physical processes	Tashkent University of Information Technologies named after Muhammad al-Khwarizmi
230	Rustam Oymatov, Nozimjon Teshae, Ilhomjon Aslanov, Bobomurod	Temporal Evolution of Climate-Related Land Changes in the Zarafshan Valley: A MODIS and Google Earth	Ecology, hydropower engineering and modeling of	"TIAME" NRU

	Makhsudov	Engine Perspective	physical processes	
252	Normaxmad Ravshanov, Kaxramon Kodirov, Gulchera Shadmanova and Kurash Kubyashev	MATHEMATICAL MODEL OF UNSTEADY FILTRATION OF FLUID IN A THREE-LAYER BOUNDED RESERVOIR AND ITS ANALYTICAL SOLUTION	Ecology, hydropower engineering and modeling of physical processes	"TIAME" NRU
326	Barna Rakhmankulova , Sayibdjani Mirzaev, Mazhid Yusupov, and Nurilla Yuldashev	NON-LINEAR VIBRATIONS OF VISCOELASTIC DYNAMIC SYSTEMS WITH SEVERAL DEGREES OF FREEDOM	Ecology, hydropower engineering and modeling of physical processes	"TIAME" NRU
339	Mahmud Muminov, Muhtor Nosirov, Ismailkhujayev Bokhodirkhujayeva	Classification and Management Implications of Rangeland Health Monitoring in Uzbekistan Using NDVI and Field Samples	Ecology, hydropower engineering and modeling of physical processes	"TIAME" NRU
342	B.D. Abdullaev, Fotima Artikbekova, Barchinoy Yarkinova, Azzam Berdikulov, Akmal Sulstonov, and Dilafuz Mahmudova	FACTORS AFFECTING THE HYDRODYNAMIC STATE OF THE SOKH GROUNDWATER DEPOSIT	Ecology, hydropower engineering and modeling of physical processes	"TIAME" NRU
370	Rakhmonov Komiljon, Khikmatov Fazliddin, Jumabayeva Gulnara	RUNOFF OF SUSPENDED SEDIMENTS OF MOUNTAIN RIVERS OF UZBEKISTAN AND ASSESSMENT OF SOIL WASHOUT INTENSITY FROM THEIR BASINS	Ecology, hydropower engineering and modeling of physical processes	National University of Uzbekistan Named After Mirzo Ulugbek
	Bayramkhan Artykmyradov, Isa Babaev, Khodzhadurdy Khodzhadurdy, Daria Kivulya, Artur Klukin, Ilkhom Begmatov	Digital Technologies in Agriculture: Benefits and Costs at Different Levels.	Digitalization, automation and robotization of the agro-industrial complex	S.A.Niyazov Turkmen Agricultural University
	Yaran Hidayberdiyev, Serdar Osmanov, Gurbandurdy Orazov, Berdimyrat Hallyyev, Yazmuhammet Beglekov, Ilkhom Begmatov	Innovative eco-sink technology for efficient water management in household settings	Digitalization, automation and robotization of the agro-industrial complex	Turkmen Agricultural University, TIAME
	Mohamed Jesfar, Mohamed Rifky, Shokir Rakhimkulov, Kasun Kumara Dissanayake, Sanaev Ermat, Abdullaev Bakhodir, Murodjon Samadiy	Development and evaluation of an automated irrigation system for ordinary agriculture farm	Digitalization, automation and robotization of the agro-industrial complex	Sri Lanka Institute of Advanced Technological Education
	Nurlan Balgabaev, Mikhail Tskhay, Alexander Kalashnikov, Nurlan Bekmukhamedov, Natalya Gritsenko, Fatima Krykbayeva	Prospects for the development of irrigated agriculture based on the creation of a system of space and ground monitoring of water-supplied territories.	Digitalization, automation and robotization of the agro-industrial complex	«Kazakh Scientific Research Institute Of Water Economy»
	Madaliev M.E, Navruzov D.P, Hamroyev N.Sh, Abdukarimov B.A, Pulatov T. R ,Abdullaev B.R	Study of the sst turbulence model for the 2d nasa wall-mounted hump separated flow problem	Digitalization, automation and robotization of the agro-industrial complex	Institute of Mechanics and Seismic Stability of Structures named after M.T. Urabbaev of the Academy of Sciences of the Republic of Uzbekistan

	Madaliev M.E., Juraev S.R., Soxibova U.N., Khudoyberdieva G.Sh	Studying the influence of turbulent intensity of the sst turbulence model for the 2d backward facing step problem	Digitalization, automation and robotization of the agro-industrial complex	Tashkent State Technical University named after Islam Karimov
	Burxon Utepov, Aliakbar Khojiyev, Zulfiya Mirkhasilova, Nazokat Saidxonova, Oblaqulov Sohob	Determination of power consumption by a pneumatic disk sprayer and the range of the fan installation of the experimental sprayer OBX-600	Digitalization, automation and robotization of the agro-industrial complex	TIIAME
	Abbos Khamidov, Zoe M. Harris, Belen Marti-Cardona	Exploring the Contribution of LULC to Soil Salinity by Google Earth Engine and Machine Learning	Digitalization, automation and robotization of the agro-industrial complex	Centre for Environment and Sustainability, University of Surrey, TIIAME
	Aziz Inamov, Mukhamadkhan Khamidov, Utkir Islamov, Zokhid Mamatkulov and Kamol Khamraev	Creating hydromodular zoning maps of irrigated agricultural lands in digital technologies (Case study from Kashkadarya region, Uzbekistan)	Digitalization, automation and robotization of the agro-industrial complex	TIIAME Bukhara Institute of Natural Resources Management
	Aziz Inamov, Mukhammadkhon Khamidov, Utkir Islomov and Zokhid Mamatkulov	Creation of hydromodular zoning maps of irrigated agricultural lands based on geoinformation technologies	Digitalization, automation and robotization of the agro-industrial complex	TIIAME
	Bekanov Kuatbay, Safarov Eshkabil, and Atabayev Sarvarbek	Problems of creating agricultural web maps based on gis programs	Digitalization, automation and robotization of the agro-industrial complex	The National University of Uzbekistan named after Mirzo Ulugbek
	Nazarov F.Kh., Abdukhamidov S.K., Fayzulloev S.S., Akhmadaliev Sh.Sh., Ibodullaev T.N.	Calculation of an axisymmetric transonic jet with various turbulence models using the comsol multiphysics package.	Digitalization, automation and robotization of the agro-industrial complex	Institute of Mechanics and Seismic Stability of Structures of the Academy of Sciences of the Republic of Uzbekistan, Faculty of Mechanics, Tashkent State Technical University named after Islam Karimov
	Shoiev M.A, Abdujalilova Sh.S, Rakhmankulov S.A, Raxmonkulova S.Z.	Mathematical modeling of complex processes in channels with a 180° turn	Digitalization, automation and robotization of the agro-industrial complex	Fergana polytechnic institute, Tashkent State Transport University
	Madaliev M.E, Usmanov A.A., Madaliev E.U., Usmanova N.A, Rakhmonzarov P. Y	Numerically study of the sst turbulence model for the axisymmetrical separated boundary layer problem	Digitalization, automation and robotization of the agro-industrial complex	Institute of Mechanics and Seismic Stability of Structures named after M.T. Urazbaev of the Academy of Sciences of the Republic of Uzbekistan. Fergana polytechnic institute

23 ДЕКАБРЯ, СУББОТА, НАЧАЛО В 10.00 ЧАСОВ ПО ТАШКЕНТСКОМУ ВРЕМЕНИ

Секция 2: ROAD CONSTRUCTION, BUILDING STRUCTURES AND MATERIALS

АУДИТОРИЯ Б.105

МОДЕРАТОРЫ: МАРКОВА ИРИНА МИХАЙЛОВНА и МАКСУДОВА ЛЮДМИЛА АЛЕКСЕЕВНА

Для онлайн участников платформа конференции:

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ID 867 9890 5867, password: 12

Sub.	Authors	Title	Section	University
29	Hudaykulov Rashidbek Mansurjonovich, Salimova Barno Djamalovna, Maxmudova Dilfuza Abdulazizovna3 Aralov Dilshod Ergash ugli	THE EFFECT OF MODIFIER ON THE REINFORCED SOIL OF THE SUBGRADE	Road construction, building structures and materials	Tashkent State Transport University
36	Zamira Beknazarova, Kamoliddin Nazirov	Study of the dependence of the defoliating effect of a defoliant on a derivative of β -cl- ethylphosphonic acid	Road construction, building structures and materials	"TIAME" NRU
81	Nodira Saatova	METHODS OF TECHNICAL DIAGNOSTICS AND ASSESSMENT OF THE INFLUENCE OF SALT CORROSION ON THE OPERATION OF REINFORCED CONCRETE SPANS STRUCTURES	Road construction, building structures and materials	Tashkent State Transport University
87	Khalbay Ishbaev, Anvar Shukurov, Bakhtiyor Akhmedjonov, Quat Kosbergenov, Ilkhom Ruziev	Composition and ore presence of kersantite dikes in the "Yangi Umid" deposit of the Karakutan ore field (Western Uzbekistan)	Road construction, building structures and materials	National University of Uzbekistan named after Mirzo Ulugbek
88	Akhmadjon Tukhtasinov, Davron Khusanbayev, Dilshot Atabayev, Nodirkhon Abdullaev, Ilkhom Ruziev	Forecast of provisional Earthquake fields in the territory of Uzbekistan	Road construction, building structures and materials	National University of Uzbekistan named after Mirzo Ulugbek
105	Sobirov B.A., Tukhtasheva M.N.	DEVELOPMENT OF TECHNOLOGY FOR	Road construction, building	Andijan Institute of

		PLASTIFICATION OF EPOXY RESIN ED-20 WITH RAPE OIL	structures and materials	Economy and Construction
106	Kudrat Karimov, Asatilla Karabayev, Takhir Nurmatov, Mirolim Abdullayev and Shukurali Yuliyev	EXERGY CALCULATION OF THREE-PHASE FLUIDIZED BED APPARATUS FOR SEPARATION OF "SOLID-SOLID" SYSTEM	Road construction, building structures and materials	Tashkent State Technical University
123	Sherzod Akhmedov, Abdurakhman Ishankhodjayev, Khodzhiakmal Aripov, Ilkham Mirzaolimov	THEORETICAL ASSESSMENT OF THE STRENGTH OF RECTANGULAR REINFORCED CONCRETE BRIDGE BEAMS REINFORCED WITH CARBON POLYMER FIBER MATERIALS	Road construction, building structures and materials	Tashkent State Transport University
130	Abdurasul Martazaev, Shukrillo Khakimov	Dispersed reinforcement with basalt fibers and strength of fiber-reinforced concrete beams	Road construction, building structures and materials	Namangan Engineering Construction Institute
131	Abdurasul Martazaev, Muazzam Orzimatova, Madinaxon Xamdamova	Determination of the optimum quantity of silica fume for high-performance concrete	Road construction, building structures and materials	Namangan Engineering Construction Institute
133	Erkin Fayzullayev, Shaukat Khakimov, Azimjon Rakhmonov, Sayyora Rajapova, Dildora Abdurazzakova	CORRECT CHOICE OF PARAMETERS OF RUNAWAY TRUCK RAMP ON THE MOUNTAIN ROADS IS FACTOR TO SAVE PEOPLE'S LIVES	Road construction, building structures and materials	Tashkent State Transport University
144	Hudaykulov Rashidbek Mansurjonovich, Salimova Barno Djamalovna, Abdullaev Khurshid Dilshodbek ugli3, Aralov Dilshod Ergash ugli, Esirgapov Alimardon Safarboy ugli	RESULTS OF SEM ANALYSIS OF STRENGTHENING OF SUBGRADE SOIL USING MODIFIER	Road construction, building structures and materials	Tashkent State Transport University
145	Bedritskiy Ivan Mikhaylovich, Jurayeva Kamila Komilovna, Bazarov Laziz Kholboboyevich and Mirasadov Mirkomil Jalol o'g'li	CHAN HYSTERESIS MODELS AND MAGNETIZATION CURVE MODELS FOR CORES MADE OF SOFT MAGNETIC AMORPHOUS ALLOYS	Road construction, building structures and materials	Tashkent State Transport University
149	Shakhboz Normurodov, Gulchekhra Ismailova	Determine the earthquake of the consolidated reinforced concrete structure of the subway tunnel in the form of a single-domed semicircle	Road construction, building structures and materials	Tashkent State Transport University
156	Boykov Vladimir Petrovich Anvarjonov Akhmadjon Akmaljon ugli	ANALYSIS OF STATIC LOAD ON A TIRE IN QUARRY OPERATING CONDITIONS	Road construction, building structures and materials	Belarusian National Technical University
157	Abrorbek Kutliev, Quvvat Usmanov, Bekzod Xudayberganov, Adilbek	Environmental assessment of the level of noise emitted by vehicles (in the example of the city	Road construction, building structures and materials	Tashkent university of architecture and

	Zargarov	of Khiva)		construction
158	Abdusattarov A., RUZIEVA N.B.	SOLUTIONS OF PROBLEMS OF UNDERGROUND PIPELINES-RODS UNDER VARIABLE LOADING TAKING INTO ACCOUNT FINITE DEFORMATIONS AND INTERACTION WITH SOIL	Road construction, building structures and materials	Tashkent State Transport University
159	Denis Kapski, Sergey Bogdanovich, Eugeny Kot, Umidulla Abdurazzoqov	ROAD SAFETY CONCEPT IN THE REPUBLIC OF BELARUS	Road construction, building structures and materials	Belarusian National Technical University Tashkent State Transport University
165	Malikov Kozim Gafurovich, Dilshodbekov Shoxboz Dilshodbek ogli, Alimov Faxriddin Xusanovich, Kayumov Xasanturdi Absolomovich	DEFINITION OF THE THEORY OF CONSTRUCTION OF AXONOMETRIC PROJECTIONS IN A GRAPHICAL WAY	Road construction, building structures and materials	Tashkent State Transport University
205	Ulugbek Shermukhamedov, Mamura Sobirova, Sharofat Kadirova	Assessment of the technical condition of urban reinforced concrete bridge structures (using the example of the Tashkent city)	Road construction, building structures and materials	Tashkent State Transport University
223	Ulugbek Shermukhamedov, Anora Karimova, Askar Zhussupbekov	Selection of seismic-resistant rubber-metal bearing parts for vibrations of continuous reinforced concrete bridges and overpasses	Road construction, building structures and materials	Tashkent State Transport University
237	Normaxmad Ravshanov, Jakhhongir Turakulov, Shodiya Turkmanova and Sanjar Ungalov	NUMERICAL STUDY OF THE TECHNOLOGICAL PROCESS OF LIQUID SOLUTION FILTRATION	Road construction, building structures and materials	"TIAME" NRU
239	Klara Salyamova, Sharofat Kadirova	STRENGTH CALCULATION OF TUNNEL LINING CONSIDERING SOIL CONDITIONS ACCORDING TO LINEAR SPECTRAL THEORY	Road construction, building structures and materials	Institute of Mechanics and Seismic Stability of Structures of the Academy of Sciences of the Republic of Uzbekistan Tashkent State Transport University
244	Rovshan Hakimov, Dmitriy Ayrapetov	Studying the Impact of Ethanol Additives on the Fractional Composition of Gasoline Blends	Road construction, building structures and materials	Tashkent State Transport University
248	Jumagul Turgunbayeva, Zamira Mirzaeva, Yakutkhon Khakimova, Anora Karimova	Influence of the superplasticizer "POLIMIX" on the properties of gypsum binder	Road construction, building structures and materials	Tashkent State Transport University

269	Alexander Anshakov, Egor Terikhov	ANALYSIS OF STABILITY OF CELLULAR STRUCTURES	Road construction, building structures and materials	National Research Moscow State University of Civil Engineering
302	Negmatov Soyibjon Sodikovich, Abed Nodira Soyibzhonovna, Negmatova Komila Sayibjanovna, Rakhimov Sharifjon Esonaliyevich, Razzoqov Alisher Yakubovich, Djalilov Sherali Nakbayevich	RELAXATION MAXIMUM INTERPENETRATING POLYMER NETWORKS OF IPS FROM EPOXY AND POLYURETHANE POLYMERS	Road construction, building structures and materials	Tashkent state technical university named after Islom Karimov
303	Rakhmatjon Khusainov, Bikajon Khusainova and Sapparboy Khusainov	Oscillations of underground pipelines under nonlinear interaction with soil	Road construction, building structures and materials	Institute of Mechanics and Seismic Stability of Structures named after M.T. Urazbaev of the Academy of Sciences of the Republic of Uzbekistan
304	Eshkobilov Olim Kholikulovich, Soyibjon Negmatov Sodikovich, Abed Nodira Soyibzhonovna, Gulyamov Giyas Gulyamovich, Tukhtasheva Malokhat Nafasovna, Karshiyeva Shokhista Kholikulovna	STUDY OF STRENGTH AND COEFFICIENT OF FRICTION OF COMPOSITE MATERIALS IN THE PROCESS OF CONTACT INTERACTION WITH RAW COTTON	Road construction, building structures and materials	Karshi Engineering Economic Institute
305	Abed Nodira Soyibzhonovna, Soyibjon Negmatov Sodikovich, Eshkobilov Olim Kholikulovich, Tukhtasheva Malokhat Nafasovna, Bozorboyev Shukhrat Abdurakhimovich	RESEARCH OF THE DEPENDENCE OF PHYSICAL AND MECHANICAL PROPERTIES ON VARIOUS TECHNOLOGICAL PARAMETERS OF INJECTION MOLDING IN THE FORMATION OF COMPOSITE POLYMER MATERIALS	Road construction, building structures and materials	Tashkent state technical university named after Islom Karimov
312	Sherzod Akhmedov, Abdurakhman Ishankhodjayev, Khodzhiakmal Aripov, Ilkham Mirzaolimov	THEORETICAL ASSESSMENT OF THE STRENGTH OF RECTANGULAR REINFORCED CONCRETE BRIDGE BEAMS REINFORCED WITH CARBON POLYMER FIBER MATERIALS	Road construction, building structures and materials	Tashkent State Transport University
316	Anvar Adilkhodjaev, Ilkhom Kadyrov, Bahridin Hasanov, Mirzohid Radjabov, Isomiddin Umarov, Dilbar Tosheva	"EFFECT OF BINARY MICROBRAKE BASED ON "QUARTZ+CARBONATE" ADDITIONS ON THE PROPERTIES OF CEMENT STONE	Road construction, building structures and materials	Tashkent State Transport University

322	A.A.Khalilov, Z.T.Akbarova, A.Z.Umarov, F.A.Zayniddinov, I.M.Ruziev	The method of searching for hidden uranium deposits of kyzylkum based on the integration of geophysical, geochemical and cosmogeological studies (on the example of the deposits of Western Uzbekistan)	Road construction, building structures and materials	University of geological sciences
325	Rakhimov Shavkat Turdimurotovich, Khudoynazarova Kunduz Jumanazarovna, Obidjonov Jahongir Tokhir ogli, Yeshbaeva Farida Rismatillayevna	FINE GRAIN CONCRETE AND FIBER CONCRETE BASED ON INDUSTRIAL WASTE	Road construction, building structures and materials	Tashkent University of Architecture and Civil Engineering
327	Ulugbek Shermukhamedov, Abdurakhim Abdullaev, Dmitriy Svezhentsev	Modelling of stress-strain state of reinforced soil abutments of a continuous monolithic road bridge	Road construction, building structures and materials	Tashkent State Transport University
332	Akbarova N.A., Shipulin Y.G. Azamatov Z.T.	METHOD FOR MEASURING THE ELASTICITY OF MATERIALS	Road construction, building structures and materials	Tashkent State Transport University
333	Anvar Adilkhodjaev, Ilkhom Kadyrov, Bekhzod Kudratov, Doniyor Azimov, Ulugbek Abdullayev	“EFFECT OF BINARY MICROBRAKE BASED ON QUARTZ+CARBONATE ADDITIVES ON CEMENT STONE POROSITY STRUCTURE AND HYDRATION PROCESSES	Road construction, building structures and materials	Tashkent State Transport University
336	Turgunbayev Urinbek Jamolovich, Sharipova Dilafuz Toufukovna	About the properties of polymer cement glue (PCA) with the use of acetone-formaldehyde resin (AFR)	Road construction, building structures and materials	Tashkent State Transport University
337	Abduraimov U.K., Ismailova G.B.	Calculation of the structure of railway subgrades made from dune sands for stability	Road construction, building structures and materials	Tashkent State Transport University
343	Salokhiddin Absattarov, Alimjon Riskulov and Jamshed Avliyokulov	Dependence establishment of the mass transfer coefficient in the third kind boundary condition on temperature during vacuum carburizing of steels	Road construction, building structures and materials	Tashkent State Transport University
348	Jumagul Turgunbayeva, Zamira Mirzaeva, Yakutkhon Khakimova	INFLUENCE OF THE BINARY FILLER OF STEELMAKING SLAG AND FLY ASH ON THE PROPERTIES OF GYPSUM BINDER	Road construction, building structures and materials	Tashkent State Transport University
349	Dostanova S., Shayakhmetov S., Lesov K., Umarov Kh., Kalpenova Z.	Bearing capacity of road overpasses under dynamic influences	Road construction, building structures and materials	Tashkent State Transport University
350	Dostanova S., Shayakhmetov S., Lesov K., Umarov Kh., Tokpanova K.	Reliability of bridge structures under dynamic influence of load	Road construction, building structures and materials	Tashkent State Transport University

351	Vladimir Soy	INVESTIGATION OF THE EFFECT OF SILICA-CONTAINING ADDITIVES ON THE STRUCTURE OF COMPOSITE BINDERS	Road construction, building structures and materials	Tashkent State Transport University
353	Murodjon Rakhmatov, Alimjon Riskulov, and Khurshidbek Nurmetov	Abrasive-resistant composite materials with specified functional characteristics based on thermoplastics	Road construction, building structures and materials	Tashkent State Transport University
357	K.S.Lesov, Sh.A. Tadjibayev, G.R.Khalfin and M.M.Mirkhanova	Reinforcement of the embankment slopes with volumetric geogrids of the roadbed and the study of their stability	Road construction, building structures and materials	Tashkent State Transport University
358	Sh.A.Tadjibayev, G.R.Khalfin, A.B.Yembergenov and Sh.M. Umaraliyev	Methods of increasing the stability of the slopes of the embankment of the roadbed of sand dunes	Road construction, building structures and materials	Tashkent State Transport University
359	Vladimir Soy, Valijon Komilbek ogli Bekkulov	ANALYSIS OF THE MAIN TECHNOLOGICAL FACTORS AFFECTING THE QUALITY OF AERATED CONCRETE PRODUCTS	Road construction, building structures and materials	Tashkent State Transport University
361	Ne'mat Mukhammadiev, Ganisher Malikov	The use of basalt fiber in concrete mixture for the manufacture of prefabricated concrete and reinforced concrete structures	Road construction, building structures and materials	Tashkent State Transport University
372	Shakhnoza Khalimova, Amir Beketov	GEOLOGICAL CONDITIONS AND KEY ROCK MECHANICS ISSUES IN THE MAJOR REPAIRS ON FARGONA YULI STREET IN THE CITY OF TASHKENT	Road construction, building structures and materials	Tashkent State Transport University
373	ABDUSATTAROV A., KARABAEV A.M., ABDUKADIROV F.E., XOJAKHMATOV S.SH.	STRESS-STRAIN STATE OF LAMINATED PLATE UNDER ALTERNATING LOADING TAKING INTO ACCOUNT DAMAGEABILITY AND TEMPERATURE EFFECT	Road construction, building structures and materials	Tashkent State Transport University
374	Djabbarov Saidburkhan, Boytemirov Mukhamadbobir	VIBRATIONS OF THE SOIL FOUNDATION OF THE RAILWAY DURING THE PASSAGE OF ONCOMING TRAINS	Road construction, building structures and materials	Tashkent State Transport University
400	S.Shaumarov, Kh.Karakulov, S.Kandakhorov, Z.Okilov, J.Yusupov	Composition of aerated concrete using local raw materials	Road construction, building structures and materials	Tashkent State Transport University
401	E.Shchipacheva, S.Shaumarov, B Khasanov, S.Kandakhorov, F.Mamurova, N.Rakhimova	The influence of technologies for regulating the temperature and humidity regime of the attic space on the level of comfort of the premises of the upper floors of residential buildings	Road construction, building structures and materials	Tashkent State Transport University

23 ДЕКАБРЯ, СУББОТА, НАЧАЛО В 10.00 ЧАСОВ ПО ТАШКЕНТСКОМУ ВРЕМЕНИ

Секция 3: HYDRAULICS OF STRUCTURES, HYDRAULIC ENGINEERING AND LAND RECLAMATION CONSTRUCTION; CLIMATE CHANGE, WATER RESOURCES AND WATER SAVING TECHNOLOGIES

АУДИТОРИЯ Б.214

МОДЕРАТОРЫ: БЕГМАТОВ ИЛХОМ АБДУРАИМОВИЧ и БУРХОНОВА МУНИСА

Для онлайн участников платформа конференции:

<https://us06web.zoom.us/j/83400705613?pwd=U1dJaG0wOTRGWkNyUFlUTjh4WTBiZz09>

ID 834 0070 5613, password: 777155

Sub.	Authors	Title	Section	University
1	D.R.Bazarov, B.Norkulov, F.K, Artikbekova A.Mamataliev, G.U Zhumabaeva, M.Ahmadi	NUMERICAL STUDIES IN THE BED OF THE AMUDARYA RIVER AT THE SITE OF THE DAMLESS WATER INTAKE FOR WATER INTAKE INTO THE KARSHI MAIN CANAL	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIAME" NRU
2	D.R.Bazarov, N.Muallem, B.E.Norkulov, A.I.Kurbanov, B.Shodiev, I.Salimbaeva	Experimental studies of sharply changing flow motion saturated with turbidity	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIAME" NRU
10	Khikmatov F.Kh. Ziyaev R.R., Khakimova Z.F., Erlapasov N.B., Mansurov S.R., Shirinboyev D.N., G'aniyev Sh.R.	IMPACT OF CLIMATE CHANGE ON THE HYDROLOGICAL REGIME AND WATER RESOURCES OF THE RIVERS OF THE ZERAFSHAN BASIN	Hydraulics of structures, hydraulic engineering and land reclamation construction	National University of Uzbekistan named after Mirzo Ulugbek
18	Khikmatov Fazliddin Khikmatovich, Rapikov Barkamol Rustamjon ogli, Umarov Alisher Zokirovich, Mansurov Safar Raxmankulovich	CHANGES IN THE FLOW OF RIVERS UNDER THE INFLUENCE OF RESERVOIRS	Hydraulics of structures, hydraulic engineering and land reclamation construction	National University of Uzbekistan named after Mirzo Ulugbek

20	Khusniddin Boboyorov, Isomiddin Togaev, Ma'ruf Moyliyev, Ilkhom Ruziyev, Satbay Nurjanov	Conditions for the formation of ores spreaded on the territory of central Bukantov (territory of Kyzylkum)	Hydraulics of structures, hydraulic engineering and land reclamation construction	National University of Uzbekistan named after Mirzo Ulugbek
23	Abror Abdullaev, Anna Stelmakh, Kamila Kenjebayevna, Nizomiddin Soatov, Zulxummor Baxronova	Osmogeological studies of the koytash intrusive of the malguzar mountains	Hydraulics of structures, hydraulic engineering and land reclamation construction	National University of Uzbekistan named after Mirzo Ulugbek
28	Bakhodir Norkulov, Javlonbek Raxmanov, Durдона Tadjiyeva and Fazilat Turdiyeva	THEORETICAL ANALYSIS OF UNEVEN MOTION OF LIQUID IN PRESSURE PIPELINES	Hydraulics of structures, hydraulic engineering and land reclamation construction	Samarkand State Architecture and Construction University named Mirzo Ulugbek
30	Bakhodir Norkulov, Javlonbek Raxmanov, Durдона Tadjiyeva and Maruf Zokirov	Fundamentals of hydraulic calculation of energy extinguishers in the lower befles of water extraction and water distribution structures.	Hydraulics of structures, hydraulic engineering and land reclamation construction	Samarkand State Architecture and Construction University named Mirzo Ulugbek
33	Abror Abdullaev, Anna Stelmakh, Kamila Khoshjanova, Nizomiddin Soatov, Dilshod Nazarialiev	Kosmogeological studies of the koytash intrusive of the malguzar mountains	Hydraulics of structures, hydraulic engineering and land reclamation construction	National University of Uzbekistan named after Mirzo Ulugbek
34	Alisher Bakhtiyarovich Djurabayev, Ibraximjan Nabiyevich Ganiyev, Sunnat Shanazarov, Sanjarbek Rahmonov, Feruz Ochildiyeu	Features of composition of ore minerals of the taushan deposit (Kuldzhuktau Mountains)	Hydraulics of structures, hydraulic engineering and land reclamation construction	National University of Uzbekistan named after Mirzo Ulugbek

37	Khalbay Ishbaev, Anvar Shukurov, Bakhtiyor Akhmedjonov, Quat Kosbergenov	Composition and ore presence of kersantite dikes in the “yangi umid” deposit of the Karakutan ore field (Western Uzbekistan)	Hydraulics of structures, hydraulic engineering and land reclamation construction	National University of Uzbekistan named after Mirzo Ulugbek
39	Bakhodir Norkulov, Panji Nurmatov, Durdona Tadjiyeva end Javlonbek Raxmanov	Experimental analysis of the hydrodynamic structure of the flow beyond water distribution facilities	Hydraulics of structures, hydraulic engineering and land reclamation construction	Samarkand State Architecture and Construction University named Mirzo Ulugbek
45	Kholmurod Khaliyrov, Kamila Khoshjanova, Nasiba Atabaeva, Paraxat Ziyayeva, Rustam Fayzullaev	Correlation of elements in the andesites of the Shaugaz-Kondir soy range	Hydraulics of structures, hydraulic engineering and land reclamation construction	National University of Uzbekistan named after Mirzo Ulugbek
46	Khalbay Djangirovich, Anvar Khamraqulovich, Elbek Alimjanovich, Fotima Bakhromovna, Alisher Jumanov	Material composition of the Monchikita dike of the Zirabulak intrusion (Western Uzbekistan)	Hydraulics of structures, hydraulic engineering and land reclamation construction	National University of Uzbekistan named after Mirzo Ulugbek
47	Anvar Shukurov, Khalbay Ishbaev, Quat Kosbergenov, Mansur Ruziyev, Dilrabo Mukumova	Composition and nature of phenocrysts in spessartites of the Koytash ore field (Northern Nuratau, Western Uzbekistan)	Hydraulics of structures, hydraulic engineering and land reclamation construction	National University of Uzbekistan named after Mirzo Ulugbek
55	Bakhodir Norkulov, Panji Nurmatov, Dildora Sobirova end Dildora Ismoilova	Moving barriers, characteristics and fields of application of water supply structures	Hydraulics of structures, hydraulic engineering and land reclamation construction	Samarkand State Architecture and Construction University named Mirzo Ulugbek
63	Allabergan Babajanov, Sobir Roziboyev, Abdullaxon Shukurov, Yulduz Akramova	Improvement of the existing technology of cadastral assessment of irrigated crop land in case of Uzbekistan	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIAME" NRU
70	Nasirova M.S., Shermatov Y., Gadaev N.N., Narzullaev J., Chinniev Ch.	USING SATELLITE IMAGES TO ASSESS IRRIGATION AND IDENTIFY SALINITY SPOTS IN	Hydraulics of structures, hydraulic engineering and land	"TIAME" NRU

		SIRDARYA REGION	reclamation construction	
71	Victor Tolstikov, and Sohaib Tareq	Investigation of the bearing capacity of a gravity dam made of cement-sand-gravel material on rock foundations of different hardness	Hydraulics of structures, hydraulic engineering and land reclamation construction	Moscow State University of Civil Engineering (National Research University)
102	Abdubaki Qayumov, Baxrom Tovboyev, Olmos Zafarov, Xusniddin Ergashev	Assessment of the influence of strength and deformation properties of saline soils on the foundations of structures distributed in the territory of Uzbekistan (in the example of Pakhtakor district of Jizzakh region)	Hydraulics of structures, hydraulic engineering and land reclamation construction	Tashkent state technical university
132	Alaa Ali Slieman, and Dmitry Kozlov	Surface runoff estimation using artificial neural networks and software package Hydrocalculations	Hydraulics of structures, hydraulic engineering and land reclamation construction	National Research Moscow State University of Civil Engineering
134	Genrikh Vasilevich Orekhov, Tran Manh Cuong	Overview of hydraulic fracturing in embankment dams	Hydraulics of structures, hydraulic engineering and land reclamation construction	National Research Moscow State University of Civil Engineering
135	Genrikh Vasilevich Orekhov, Tran Manh Cuong	ANALYSIS OF HYDRAULIC FRACTURING IN THE AREA ADJACENT TO THE CULVERT IN EARTHEN DAM IN VIETNAM	Hydraulics of structures, hydraulic engineering and land reclamation construction	National Research Moscow State University of Civil Engineering
137	Rubin O.D., Antonov A.S., Baklykov I.V., Zyuzin R.S.	Development of an approach to improving seismic resistance of structures and constructions of operating hydro- and thermal power plants	Hydraulics of structures, hydraulic engineering and land reclamation construction	National Research Moscow State University of Civil Engineering
140	Aliakbar Khojiyev, Zulfiya Mirkhasilova, Burxon Utepov, Tolib Khalmuradov, Madraxim Allanazarov	Improvement of winter wheat irrigation methods based on groundwater	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIAME" NRU
141	Aziz Inamov, Kamola Rakhmatullaeva	Enhancing Efficiency in the Management of Energy Facilities within the State Cadaster through Geospatial Information Systems	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIAME" NRU

154	Panji Nurmatov, Olmos Jurayev, Lobar Qayumova, Feruza Axmedova	Treatment of colored wastewater of textile industry using dynamic membranes is a prospective method	Hydraulics of structures, hydraulic engineering and land reclamation construction	Samarkand State Architectural and Construction university
172	Kachanov I.V., Khasanov B.B.	RESULTS OF STUDIES TO DETERMINE REVERSE JET PRESSURE AND PARAMETERS OF PUMPING EQUIPMENT NECESSARY FOR DEVELOPING A PROCESS FOR CLEANING SURFACES FROM CORROSION	Hydraulics of structures, hydraulic engineering and land reclamation construction	Belarusian National Technical University
174	Masharif R. Bakiev, Ramz R. Abduraupov and Otanazar M. Matkarimov	Transporting ability of the flow during ridge movement of sediments	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIAME" NRU
176	Oleg Dmitrievich Rubin, Sergey Evgenyevich Lisichkin, Kirill Evgenyevich Frolov, Zhang Junhaoi	METHODICAL APPROACH TO CALCULATION OF REINFORCEMENT WITH COMPOSITE MATERIALS OF REINFORCED CONCRETE STRUCTURES OF HYDROTECHNICAL BUILDINGS, INCLUDING THOSE THAT HAVE BEEN SUFFERED BY UNEVEN SETTLING	Hydraulics of structures, hydraulic engineering and land reclamation construction	National Research Moscow State University of Civil Engineering
183	O. Glovatskii, R.Ergashev, B.Khamdamov, Sh. Rustamov, A.Kurbonov, B. Kholbutaev	On technological calculations of water resources of a machine water lifting system	Hydraulics of structures, hydraulic engineering and land reclamation construction	Tashkent State Transport University
184	Abror Gadaev Dilnora Ganieva, Nemat Halilov, Gulmira Boboeva	EXPERIMENTAL STUDIES OF INTERACTION OF THE WELLS	Hydraulics of structures, hydraulic engineering and land reclamation construction	Samarkand State Architectural and Construction university
186	Sergey Sborshikov, Pavel Zhuravlev, Irina Markova	Formalized presentation of the main procedures for the operational management of programs for the reengineering of territories and development	Hydraulics of structures, hydraulic engineering and land reclamation construction	National Research Moscow State University of Civil Engineering
195	K.S. Dzhuraev, Abduaziz uulu Abdurauf, F.T. Shadibekova, A.K. Mambetov	Features of using pumps in turbine mode	Hydraulics of structures, hydraulic engineering and land reclamation construction	Tashkent State Technical University

196	Dilarom Kuchkarova, Dilnoza Achilova, Bahtiyor Ismatov	ENGINEERING TASKS BASED ON THE MORPHOMETRIC CHARACTERISTICS OF THE RELIEF	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIIAME" NRU
201	Khamidov, M.Kh., Matyakubov, B.Sh., Gadaev, N.N3, Isabaev, K.T.	DESIGN OF COTTON IRRIGATION SCHEDULE USING COMPUTER SOFTWARE	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIIAME" NRU
202	Markova Irina Mikhailovna, Phan Khanh Khanh, Oybek Vokhidov	FLOOD STUDY IN THE DOWNSTREAM OF THE RIVER SAI GON - DONG NAI	Hydraulics of structures, hydraulic engineering and land reclamation construction	National Research Moscow State University of Civil Engineering
206	A.Yangiev, D.Adjimuratov, Sh.Panjiev, R.Khujakulov, D.Yoshiyeva	ANALYSIS OF THE FORMATION OF TURBID SEDIMENTS IN THE FLOOD RESERVOIRS OF NAMANGAN REGION AND RECOMMENDATIONS FOR THE ASSESSMENT OF SAFETY	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIIAME" NRU
207	A.Yangiev, G.Omarova, D.Adjimuratov, Sh.Panjiev, Sh.Azizov, S.Primova	MOVEMENT AND STOPPING PROCESSES OF LARGE STONES IN THE BASINS OF FLOOD WATER RESERVOIRS IN MOUNTAIN AREAS	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIIAME" NRU
210	Rakhimov K.T., Babaev A.R., Akhmedkhodjaeva I., and Obidjonov A.J.	LOCAL RESISTANCE AND LOCAL RESISTANCE COEFFICIENT	Hydraulics of structures, hydraulic engineering and land reclamation construction	Tashkent State Transport University
219	U.Jonkobilov, U.Rajabov, S.Jonkobilov, Sh.Xushiyev, Sh.Bahodirov	Air chamber as hydraulic shock absorber	Hydraulics of structures, hydraulic engineering and land reclamation construction	Karshi engineering economic institute
221	S.Jonkobilov, B.Jonkobilov, Sh.Bahodirov, J.Ruzikulov, M.Ulugmuradov	Water shock when starting pumps in automated pumping stations	Hydraulics of structures, hydraulic engineering and land reclamation construction	Karshi institute of irrigation and agrotechnologies
253	Mukaddas-GaukharKadirova	Automatic partition structure in combination with an automatic shutter for washing deposits for trapezoidal channels	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIIAME" NRU
256	D.R.Bazarov, T.A.Akhmedova, M.L..Arushanov	Numerical modeling of the hydro chemical regime of rivers, taking into account distributed and concentrated sources of pollution on the	Hydraulics of structures, hydraulic engineering and land reclamation construction	Scientific Research Hydrometeorological Institute

		example of the Chirchik River		
264	Nikolai Aniskin, Stanislav Sergeev	Numerical prediction model of an earth dam	Hydraulics of structures, hydraulic engineering and land reclamation construction	National Research Moscow State University of Civil Engineering
270	Javlonbek Suyunov, Kadir Atabayev, Anvar Achilov, Maxfiza Kamalova and Mashhura Bobomurodova	Assessment of the effect of leaks into pumping stations through the water source and ensuring the safe operation of pump units	Hydraulics of structures, hydraulic engineering and land reclamation construction	Samarkand State University of Architecture and Construction
296	Kodirov Sobir Mamadiyorovich, Mansurov Safar Raxmankulovich, Shodiev Shakhzod Qosim o'g'li, Ochildiyev Feruzjon Ikrom o'g'li	Climate projections calculation of The Obizarang River runoff for the future and corrected offsets	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIAME" NRU
297	Namozov Jurabek Abduazizovich, Tashtayeva Saida Kakharovna, Urinova Nilufar Saydirasilovna, Kasimov Hasanboy Sirojiddinovich	DYNAMICS OF IMPLEMENTATION OF MODERN IRRIGATION TECHNOLOGIES IN SAMARKAND REGION	Hydraulics of structures, hydraulic engineering and land reclamation construction	Chirchik State Pedagogical University
298	Abdullo Ashurov, Temur Shavazov, Feruz Khudoyberdiev	Analysis of the impact on the land cover of the surrounding areas after the destruction of the Sardoba water reservoir using GIS technologies	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIAME" NRU
309	Bazarov Orifjan, Babazhanov Yuldosh, Babazhanova Iroda, Zaripov Musliddin, Rakhimov Ashraf	FLUID FLOW IN A NARROWING CHANNEL	Hydraulics of structures, hydraulic engineering and land reclamation construction	Karshi engineering-economics institute
310	Eshev Sobir, Mamatov Nurbek, Bobomurodov Furkat, Ruziyeva Guzal	STUDY OF PHYSICAL AND MECHANICAL PROPERTIES OF SALINE LOWLAND SOILS	Hydraulics of structures, hydraulic engineering and land reclamation construction	Karshi engineering-economics institute
311	Gayimnazarov Israil, Eshev Sobir, Bazarof Orifjan, Latipov Shakhboz, Rakhimov Ashraf	INVESTIGATION OF THE INITIATION OF SEDIMENT MOVEMENT IN MIXED FLOWS	Hydraulics of structures, hydraulic engineering and land reclamation construction	Karshi engineering-economics institute

318	Hamroqulov Jasurjon, Nazaraliev Dilshod, Tukhtaeva Khabiba, Nazarov Ibrokhim, Baxronova Zulxummor, Karimov Diyorbek	QUANTITATIVE ASSESSMENT OF HYDROLOGICAL REGIME CHANGES IN THE KUYIMAZAR WATER RESERVOIR	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIIAME" NRU
320	Nurov D. E., Matyakubov, B.Sh., Kadirov Z.Z, Shodmonova M.	EFFECT OF DRIP IRRIGATION TECHNOLOGY ON COTTON PRODUCTIVITY	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIIAME" NRU
329	Takhir Majidov, Soibjon Mirzaev, Ikramov Nazir, Bakhtiyor Buvabekov, Mustafo Berdiev, Akbarali Turdiev1	Software for automating the complex system of drip irrigation	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIIAME" NRU
334	Urazkeldiev A., Khamidov A., Nurov D., Rakhimov J., Khamidova Sh.	MITIGATION OF THE NEGATIVE EFFECTS OF WATER SHORTAGE IN THE COASTAL REGION	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIIAME" NRU
344	Shaazizov F.Sh.	ASSESSMENT OF FLOODING WAVE DURING THE OUTBURST OF HIGH-MOUNTAIN LAKES AS A RESULT OF SEISMIC ACTIVITY IN THE TASHKENT REGION	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIIAME" NRU
345	Shaazizov F.Sh.	Hydrochemical destruction and corrosion of reinforced concrete structures of large pumping stations	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIIAME" NRU
366	Sobitjonov J.J., Jonkobilov U.U., Rajabov U.M., Sayfiyeva Y.U.	Determining the resistance of the plant to water shortage conditions during drip irrigation (in the example of sorghum crop)	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIIAME" NRU
367	Baymanov K.I., Baimanov R.K., Madiyarov A.A., Joldasbaev M.S.	PLANNED INSTABILITY OF THE FORMED CHANNELS BY WANDERING STREAMS OF THE LOWER REACHES OF THE AMU DARYA	Hydraulics of structures, hydraulic engineering and land reclamation construction	Karakalpak State University
368	Ortikkhuzhayev Asilkhuzha, Gafforov Humoyun, Ivanov Boris, Baxtiyorov Oybek, Sharafeev Rustem, Shinkevich Tatyana	Mathematical research of the influence of geometric characteristics of a centrifugal nozzle on its efficiency	Hydraulics of structures, hydraulic engineering and land reclamation construction	UZLITI Engineering

371	Sanatjon Khidirov, Azam Azimov, Adkham Mamataliev, Ezoza Khalmuradova	Methods Of Hydraulic Design and Calculation of Low- and Medium-Pressure Waterworks Units	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIIAME" NRU
376	Oleg Glovatsky, Saparov Berdibay, Jaloliddin Rashidov, Boybek Kholbutaev	Improving Pump Flow Section for Technical and Economic Efficiency	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIIAME" NRU
379	Masharif Bakiev, Nodira Babajanova, and Kahramon Babajanov	Filtration Strength of the Foundation of Concrete Structures of the Hydroelectric Complex	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIIAME" NRU
380	Furkat Gapparov, Gafforova Mushtariybonu, Shohzod Yakhshiev	Experimental studies of the hydraulic parameters of the stream and the morphological parameters of the riverbed in the upper part of the Govasay hydroelectric reservoir	Hydraulics of structures, hydraulic engineering and land reclamation construction	"TIIAME" NRU
	Khamidov, M.Kh, Matyakubov, B.Sh, Gadaev, N.N, Isabaev, K.T	Design of cotton irrigation schedule using computer software	Climate change. Water resources and water saving technologies. Land Reclamation.	TIIAME
	Furkat Gapparov , Shohzod Yakhshiev, Aziz Khaydarov, Shavkat Nortaeв , Apakhodjaeva Tursunoy U.	Filtration flow gradients in dam bodies: a case study of the Tudakul reservoir	Climate change. Water resources and water saving technologies. Land Reclamation.	TIIAME
	U.Toshbekov, A.Sh.Altmishev I.A.Abduraxmanov, N.K.Masharipov, M.A.Alibekov	Water-salt regime of gray-soil-meadow soils of the southern Hunger steppe canal zone, Uzbekistan	Climate change. Water resources and water saving technologies. Land Reclamation.	Gulistan State University
	Khamidov, M.Kh, Matyakubov, B.Sh, Gadaev, N.N, Isabaev, K.T.	Development of scientifically based cotton and wheat irrigation procedure for hydromodule regions	Climate change. Water resources and water saving technologies. Land Reclamation.	TIIAME
	Jamshid Rustamov, Uzbekkhon Mukhtorov, Maksud Rajapbaev, Fayzali Safarov, Bekjan Uspankulov and Azizahon Maksumkhanova	The use of modern GIS technologies in the cultivation of agricultural crops in desert areas (in the example of Karshi District)	Climate change. Water resources and water saving technologies. Land Reclamation.	Karshi Institute of Irrigation and Agrotechnologies

	Shakhbozjon Mardiev, Sabirjan Isayev, Adkham Mamataliev, Shokhrukh Azizov, Khaydarov Tuygun	Dependence of salt ions in cotton leaves on the amount of salt in various saline soils	Climate change. Water resources and water saving technologies. Land Reclamation.	TIIAME
	Bakhadir Saliev , Giyas Rakhimov, Elyor Berdiyrov, Rashid Turakhonov, Ilkhomjon Khoshimov	Study of the characteristics of soil moisture transfer parameters under conditions of groundwater flooding	Climate change. Water resources and water saving technologies. Land Reclamation.	Research Institute of Irrigation and Water Problems
	Zulfiya Mirkhasilova, Murat Yakubov, Shavkat Usmanov, Aliakbar Khojiev, Tolibjon Kudratov and Madina Mirkhosilova	Problems of formation of collector-drainage water and ways to reduce them	Climate change. Water resources and water saving technologies. Land Reclamation.	TIIAME
	Khaytova, M.S., Matyakubov, B.Sh	The role of technical tools in reduction of the soil erosion	Climate change. Water resources and water saving technologies. Land Reclamation.	TIIAME
	Normat Durdiev, Lobar Mamatkulova, Nurmamat Rajabov, Gulnoza Murtazayeva, Barno Kulmamatova and Safiya Kalandarova	Irrigation scheduling and mineral fertilizer application rates for cotton variety bukhara-10 under drip irrigation technology	Climate change. Water resources and water saving technologies. Land Reclamation.	Cotton Breeding, Seed Production and Agrotechnologies Research Institute (CBSPARI), TIIAME
	Bakhodirjon Tulyaganov, A'zam Kadirxodjaev, and Alisher Xodjibaev	Non-linear influence of global temperature anomalies for the development of landslides processes in Uzbekistan	Climate change. Water resources and water saving technologies. Land Reclamation.	Institute of Hydrogeology and Engineering Geology
	Okhunov Farrukhjon Abdukakhovich	Irrigation works to soil salinity and from soil impact on leaching of salts (in the example of the Karshi desert region)	Climate change. Water resources and water saving technologies. Land Reclamation.	Institute of Hydrogeology and Engineering Geology
	Nodirjon Rakhimov, Aslon Mavlonov, Najmidin Davitov, and Shakhriyor Toshev	Analysis of the hydrodynamic and hydrochemical state of groundwater in the irrigated areas of the Bukhara oasis	Climate change. Water resources and water saving technologies. Land Reclamation.	State Establishment "Institute of Hydrogeology and Engineering Geology

	Jamshid Ergashev, Javlonbek Ishchanov, Uchkun Alimov, Sardor Gulamov	Trend analysis of temperature times series of the Kashkadarya river basin in Uzbekistan	Climate change. Water resources and water saving technologies. Land Reclamation.	TIIAME
	Fatxulloyev Alisher, Hamroqulov Jasurjon, Gafarova Aziza	Assessment of the Influence of Ground water Dynamics on the Meliorative Condition of Irrigated Territories on the Base of GIS. A case study of Karasuv river basin	Climate change. Water resources and water saving technologies. Land Reclamation.	TIIAME
	Akhror Khamidov, Ilkhom Urazbaev, Saltanat Kasimbetova, Shakhnoza Khamidova, Abror Abdulkarimov	Effective use of water resources in irrigated agriculture under conditions of global climate change and water scarcity	Climate change. Water resources and water saving technologies. Land Reclamation.	TIIAME
	Khamidov Mukhamadkhan, Matyakubov Bakhtiyar, Gadaev Nodir, Yulchiev Davronbek, Urazbaev Ilkhom	Development of Scientificly Irrigated Introduction Procedures for Hydromedular Regions of Cotton Based on Computer Technologies	Climate change. Water resources and water saving technologies. Land Reclamation.	TIIAME
	Javlonbek Ishchanov, Adil A. Altmishev, Nazaraliev Dilshod V., Gulomov Sardor B., Abror Abdulkarimov	Efficient Use Of Water Resources In The Aral Sea Region In The Context Of Global Climate Change And Water Scarcity	Climate change. Water resources and water saving technologies. Land Reclamation.	TIIAME, Gulistan State University
	A K Juraev, U A Juraev, U S Saksonov, O U Murodov, M Kh Khamidov	Effectiveness of cost-effective irrigation technologies in the cultivation of winter wheat in saline soils	Climate change. Water resources and water saving technologies. Land Reclamation.	Bukhara Institute of Natural Resources Management TIIAME
	U A Juraev, A K Juraev, Sh M Khamidova, U S Saksonov, X B Buriev	Development of irrigation regime of promising autumn wheat variety "Aleksich" under conditions of low-salinity soils of Bukhara region	Climate change. Water resources and water saving technologies. Land Reclamation.	Bukhara Institute of Natural Resources Management TIIAME
	Kamol Khamraev, Akhrorkhon Khamidov, Zayniddin Kadirov and Mukhammadkhon Khamidov	Water-efficient Irrigation and Reclamation of Saline Soil Technologies under Global Climate Change and Water Scarcity Conditions (A case study from Bukhara region, Uzbekistan)	Climate change. Water resources and water saving technologies. Land Reclamation.	Bukhara Institute of Natural Resources Management, TIIAME

	Luqmon Samiyev, G'iyosiddin Rustamov, Nozim Nosirov	Determining land surface climate change using long historical meteorological data in the Aral Bay region	Climate change. Water resources and water saving technologies. Land Reclamation.	TIIAME
	Nazaraliev Dilshod, Hamroqulov Jasurjon, Nurjanov Satbay, Jumabayeva Gulnara, Baxronova Zulxummor, Juraqulov Safarmurod	Quantitative assessment of the water balance and its components of the ahangan water reservoir	Climate change. Water resources and water saving technologies. Land Reclamation.	TIIAME
	Penamuhammet Ishangulyyev, Jumanepes Hojanepesov, Rahman Geldiyev, Merdanbeg Piriye, Jemal Jumadurdyeva	Enhancing agricultural productivity in turkmenistan: a comparative analysis of optimal irrigation techniques	Climate change. Water resources and water saving technologies. Land Reclamation.	S.A.Niyazov Turkmen Agricultural University. Aba Annayev International Horse Breeding Academy
	A. Arifjanov, M. Zelenakova, A Fatxulloev, D. Allayorov, M. Otaxonov	Applied research on the hydraulic characteristics of semi-lined irrigation canal	Climate change. Water resources and water saving technologies. Land Reclamation.	TIIAME. Institute of Environmental Engineering, Faculty of Civil Engineering, Technical University of Kosice
	Rozygeldi Hallyyev, Aganyyaz Annayev, Merdan Pirlekov, Babageldi Ismailov and Yazmyrat Atdayev	The influence of intermediate crops on soil quality in the climatic conditions of Turkmenistan	Climate change. Water resources and water saving technologies. Land Reclamation	S.A.Niyazov Turkmen Agricultural University Institute of Engineering and Transport Communications of Turkmenistan

23 ДЕКАБРЯ, СУББОТА, НАЧАЛО В 10.00 ЧАСОВ ПО ТАШКЕНТСКОМУ ВРЕМЕНИ

Секция 4: MECHANIZATION, ELECTRIFICATION OF AGRICULTURE AND RENEWABLE ENERGY SOURCES

АУДИТОРИЯ Б.108

МОДЕРАТОРЫ: ЭРГАШЕВ РУСТАМ РАХИМОВИЧ и МАХФУЗ АХМАДИ

Для онлайн участников платформа конференции: <https://us05web.zoom.us/j/82450277873>

ID 824 5027 7873, password: 965108

Sub.	Authors	Title	Section	University
7	Sunnatilla Goibberdiev, Rukhiddin Turaev, Uzbekkhon Mukhtorov, and Ilhomjon Aslanov	Improvement of the system of determining the plan of production enterprises based on the normative value of agricultural crops (in case study Uzbekistan)	Mechanization, electrification of agriculture and renewable energy sources	"TIAME" NRU
8	Sunnatilla Goibberdiev, Uzbekkhon Mukhtorov, Ilhomjon Aslanov, and Isroilova Malika	Improving the assessment of the melioration condition of agricultural lands based on modern methods	Mechanization, electrification of agriculture and renewable energy sources	"TIAME" NRU
9	Zulfiya Khafizova, Uzbekkhon Mukhtorov, Ilhomjon Aslanov	Modern methods for creating atmospheric pressure maps using GIS technologies	Mechanization, electrification of agriculture and renewable energy sources	"TIAME" NRU
35	Gulnoza Murtazayeva, Nurmamat Rajabov, Tuygun Khaydarov, Mirzoolim Avliyakov, Shakhnoza Kulmamatova3 and Safiya Kalandarova	DEVELOPMENT OF A DEVICE CONSTRUCTION THAT PROTECTS GARDEN SOILS ON A SLOPE FROM WATER EROSION	Mechanization, electrification of agriculture and renewable energy sources	"TIAME" NRU
58	Podrubalov Maxim Valeryevich	Research methods and analysis of low-frequency random oscillations of tractors and microprofiles of road backgrounds (bumps)	Mechanization, electrification of agriculture and renewable energy sources	RGAU-Moscow State Agricultural Academy named after K.A.

				Timiryazev
77	A. Parsokhonov, O. Nurullaev, A. Akhmedov	Electricity Generation Using Thermal Expansion and Contraction of Matters at High Pressures	Mechanization, electrification of agriculture and renewable energy sources	Jizzakh Polytechnic Institute
80	G.A.Bahadirov, B.T.Umarov, A.B.Gulmatov and I.E.Tursunaliyev	Movement of potato tubers between belts	Mechanization, electrification of agriculture and renewable energy sources	Institute of Mechanics and Seismic Stability of Structures named after M. T. Urazbaev of the Academy of Sciences of the Republic of Uzbekistan
100	Shoirdjan Karimov, Shukhrat Shakirov, Begali Bektemirov, Nuriddin Khusanov, Sherzod Mamirov	DETERMINATION OF POWER BALANCE OF POWDER COATING PROCESS USING ELECTROCONTACT METHOD	Mechanization, electrification of agriculture and renewable energy sources	Tashkent State Technical University
148	Bayboboyev N.G., Makhmudov Kh.S., Mamadaliyev A.M., Yuldashev O.T.	STUDY OF THE DRIVE FOR ROTATION TRANSMISSION TO THE SHAFT OF POTATO PLANTER LANDERS	Mechanization, electrification of agriculture and renewable energy sources	Namangan Civil Engineering Institute
153	Nozimjon Teshaeв, Aziz Inamov, Kurbon Juraev	Assessment of Forest Fires in Zaamin national park using Remote Sensing: A Comparative Analysis of NBR and NDVI	Mechanization, electrification of agriculture and renewable energy sources	"TIAME" NRU
161	B.M. Alimov, R.U. Sindarov	Development of a mathematical model of the machine unit of the coulisse mechanism of the mortar pump	Mechanization, electrification of agriculture and renewable energy sources	Tashkent State Transport University
228	Sh.Sh. Latipov, S.E. Sayfiyev, I.N. Karimov, A.S. Mamatkulov, O.A. Xamidjonov	OPTIMIZATION OF MODES OF ELECTRIC POWER SYSTEMS UNDER CONDITIONS OF PARTIAL UNCERTAINTY OF INITIAL INFORMATION BASED ON THE USE OF PAYMENT MATRICES	Mechanization, electrification of agriculture and renewable energy sources	Tashkent State Technical University
232	Elbek Turgunaliyev, Alijon Djumabaev, and Gavkhar Miradullaeva	An energetic approach to maintaining the natural properties of cotton under external friction conditions	Mechanization, electrification of agriculture and renewable energy sources	Tashkent State Transport University
271	Eduard Kan, Arsen Mukolyants, Dilbar Ergasheva	Assessment of the effectiveness of using expander-generator units instead of a throttle on gas distribution systems	Mechanization, electrification of agriculture and renewable energy sources	"TIAME" NRU

272	M.K.Bobojanov, D.A.Rismukhamedov, F.N.Tuychiev, Kh.F. Shamsutdinov and S.T. Ganiev	Construction methodology and analysis of electromagnetic properties of pole-changing winding	Mechanization, electrification of agriculture and renewable energy sources	Tashkent State Technical University named after Islam Karimov
273	Azamat Jumanov, Hayitova Maqsuda Rafiq qizi, Marguba Khudayberganova, Nurali Umarov, F.Gulmurodov, Togaev Golibjon Sharifovich	Mapping of agricultural drought in the past decade in Kashkadarya region using satellite remote sensing based on vegetation condition index	Mechanization, electrification of agriculture and renewable energy sources	"TIAME" NRU
274	Azamat Jumanov, Khafizova Zulfiya Kholmuratovna, Nurali Umarov, F.Gulmurodov, Rovshan Hakimov3, Bekano Kvatbay	Remote sensing for land use monitoring using GIS technologies in agricultural fields in the southern regions of Kashkadarya region.	Mechanization, electrification of agriculture and renewable energy sources	"TIAME" NRU
277	D.Kh.Ruziev, D.Kh.Baratov, D.V.Efanov and V.V.Khóroshev	Six-Wire Switch Point Drive Control Circuit for Electric Interlocking Powered by Renewable Energy Sources and Redundant Cable Line	Mechanization, electrification of agriculture and renewable energy sources	Tashkent State Transport University
278	Abdulaziz Shermukhamedov, Bekzod Astanov, Sanat Shadiev, Sayfiddin Asamov	SIMULATION OF THE TURNING PROCESS OF A HIGHLY MANEUVERABLE FOUR-WHEEL TRACTOR	Mechanization, electrification of agriculture and renewable energy sources	Tashkent State Transport University
299	F.M.Mamatov, G.X.Ergashov, N.B.Ravshanova, I.Temirov and L.K.Babajanov	Technology and machine tape preparation soil for seeding	Mechanization, electrification of agriculture and renewable energy sources	Karshi engineering- economics institute
300	F.M.Maiviatov, M.Kh.Shomirzaev, D.N.Chorieva, N.Sh.Rashidov and S.U.Ochilov	Linear plow with a disk angle	Mechanization, electrification of agriculture and renewable energy sources	Karshi engineering- economics institute
301	R.Norchayev, I.J.Toirov, N.R.Rustamova and O.Xamrayev	Determination of the speed movement the tuberous mass and the auger pitch of the working body of potato harvester	Mechanization, electrification of agriculture and renewable energy sources	Karshi engineering- economics institute
306	Sh.S. Karimov, B.M. Kamanov A.A. Tursunova, Z.T. Xayitov, O.G. Kodirov, X.A. Ergashev	SOFTENING OF DRINKING WATER IN A DEVICE BASED ON HIGH- FREQUENCY DIODES	Mechanization, electrification of agriculture and renewable energy sources	Nurafshon branch of Tashkent university of information technologies named after Muhammad al Khwarzmi
307	G.N.Alikulov, B.N.Jumanov,	EFFECTIVENESS OF ASSESSMENT OF AGRO-	Mechanization, electrification	Karshi Engineering

	F.I.Muzropova, R.A.Eshonkulov, A.G.Nortoshev	ECOLOGICAL COMPETENCE OF ARID LANDS UNDER CONDITIONS OF DARK GRAY SOILS	of agriculture and renewable energy sources	Economic Institute
308	A.Kh. Agzamov, C.A.Abbasova, Kh.M.Mukhammadiyev, Z.A.Mavlanov	ASSESSMENT OF THE DEGREE OF THE REDUCTION OF WELL PRODUCTIVITY DUE TO FORMATION IN THE CASE OF BESHKENT GAS- CONDENSATE FIELD IN THE BUKHARA-KHIVA REGION	Mechanization, electrification of agriculture and renewable energy sources	Tashkent State Technical University
314	Urishev B., Doniyorov T., Kuvatov U., Umirov A., Abdurazzokov A.	OPERATING MODE OF PHOTOVOLTAIC PUMPING SYSTEM USED FOR WATERING AGRICULTURAL PLANTS	Mechanization, electrification of agriculture and renewable energy sources	Karshi engineering- economics institute
315	T.X.Razzokov, S.J.Toshtemirov, G.H.Ergashov, A.Z.Kiyamov, Sh.A.Latipov	STUDY OF THE PROCESS OF LEVELING THE SEED HEAP OF FORAGE CROPS ON A DRYER CONVEYOR WITH A FINGER WORKING LOADING ORGAN	Mechanization, electrification of agriculture and renewable energy sources	Karshi engineering- economics institute
317	Eduard Kan, Arsen Mukolyants, Dilbar Ergasheva	Evaluation of the efficiency of expander- generator units with preheating of gas	Mechanization, electrification of agriculture and renewable energy sources	"TIAME" NRU
323	Murodilla Shadmonxodjayev and Anvar Miryakubov	Improvement of a power source with a self- diagnostic system of a complex of vibroacoustic diagnostics of rotary units of traction electric motors of locomotives	Mechanization, electrification of agriculture and renewable energy sources	Tashkent State Transport University
340	Amirov Sulton, Sulliev Absaid, Mukhtorov Usmon	RESONANCE SENSORS OF MOTION PARAMETERS	Mechanization, electrification of agriculture and renewable energy sources	Tashkent State Transport University
352	G.Sh. Abidova, O.A. Mirsagdiyev, I.B. Qurbonov	Development of a mathematical model of operation of solar batteries of an electric power plant to create alternative electric energy	Mechanization, electrification of agriculture and renewable energy sources	Tashkent State Transport University
369	B.M.Alimov	Geometric and kinematic synthesis of a rocker- piston mechanism for driving a solution pump	Mechanization, electrification of agriculture and renewable energy sources	Tashkent State Transport University
	Kadyr Amanov, Meret Meredov, Begmyrat Myratmuhammedov, Gulnabat Saparova, Lukmanhekim Garajaeв	Development and characterization of semiconductor-based infrared photodiodes for the evaluation of agricultural products	Agrobiotechnology in the selection and production of agricultural crops	S.A.Niyazov Turkmen Agricultural University
	Gulchekhra M Nabiyeva, Gulnora T.	Agrochemical composition of soils of land used	Environmental protection,	The National

	Djalilova, Dilafruz Yu. Makhkamova, Najmiddin A. Nurgaliev	for pasture	nature management and ecological safety.	University of Uzbekistan named after Mirzo Ulugbek
	U.O. Odamov, M.M. Komilov	Research the degradation process of solar panels based on polycrystalline silicon in the climatic conditions of Uzbekistan during several years of operation	Renewable and alternative energy sources. Green energy	Institute of Energy Problems of the Academy of Sciences of the Republic of Uzbekistan
	Aziz Ibragimov , Bakhtiyar Ismailov, Talad Mumindjanov, Rakhim Tursunmetov and Timur Gafurov	Thermal energy resources of geothermal waters of Uzbekistan and prospects of their utilization	Renewable and alternative energy sources. Green energy	Institute HYDROENGEО”, Laboratory “Hydromineral resources
	Mirobit Mirdadaev, Nietbai Khozhanov, Nurlan Balgabaev, Alexandr Basmanov, Raushan Dzhaisambekova	Energy efficient use of chemical reclamation on degraded lands in Kazakhstan	Renewable and alternative energy sources. Green energy	Kazakh Scientific Research Institute of Water Management
	Hamdamov M.M.	Simulation of a small power wind turbine with a vertical axis of rotation in the framework of comsol	Renewable and alternative energy sources. Green energy	Institute of Mechanics and Seismic Stability of Structures named after M.T.Urazbaev, AS Ruz
	Ashyrmurat Hallyyev , Amangeldi Hallyyev, Azamat Ashyrov, Yaran Hudayberdiyev, Atanur Klyshov	Impact of modern tractor tires on soil compaction and crop yield in turkmenistan	Mechanization and electrification of agriculture	Military Institute of the Ministry of Defense named after the Great Saparmurat Turkmenbashi. S.A.Niyazov Turkmen Agricultural University. Aba Annaev International horse breeding academy

23 ДЕКАБРЯ, СУББОТА, НАЧАЛО В 10.00 ЧАСОВ ПО ТАШКЕНТСКОМУ ВРЕМЕНИ

Секция 5: ENGINEERING MATERIALS SCIENCE, INTELLIGENT TRANSPORT SYSTEMS AND TRANSPORT LOGISTICS

АУДИТОРИЯ Б.207

МОДЕРАТОРЫ: ЭШЕВ СОБИР САМАТОВИЧ и ШААЗИЗОВ ФАРРУХ ШОАКБАРОВИЧ

Для онлайн участников платформа конференции:

<https://us05web.zoom.us/j/81438762869?pwd=WUNvYU5IZ2ZpeHI5aStaMlJFRmlaUT09>

ID 814 3876 2869, password: 443694

Sub.	Authors	Title	Section	University
4	Abduvokhid Yunusov, Mukhammad Malikov, Musulmanov Kuvonchbek	COMPARISON OF MEASUREMENT METHODS OF ROAD PAVEMENT SKID RESISTANCE IN CENTRAL ASIA	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
6	Masharipov M., Rasulov M., Suyunbaev Sh., Kodirova L., Abullaev E., Khujayev Sh.	Refinement of the method for determining the optimal length of locomotive turnaround section	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
11	Oleg Ablyalimov	TOWARDS SOLVING THE TASK OF OPTIMIZING THE TRANSPORTATION WORK OF THE LOCOMOTIVES OF DIESEL TRACTION	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
15	Bahodir Kulmanov, Otabek Khamidov, Ulugbek Abdulatipov, Burxonjon Erkinov, Zokirbek Keldibekov	Assessment of the efficiency of diesel locomotive diesel engines using controlled drives of gas distribution mechanisms	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
21	Oleg Ablyalimov	TO THE EFFICIENCY OF LOCOMOTIVES OF	Engineering materials	Tashkent State Transport

		ELECTRIC TRACTIONS ON A HILLY SECTION OF THE RAILWAY	science, intelligent transport systems and transport logistics	University
27	Abdullaziz Karshiboev, Dilshod Kayumov	Distinctive features and trends in CAD development highways in the GIS	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
40	Saydametova Fazilat, Normuxammadov Asilbek, Adizov Dilshodbek	A SIMPLE AND CHEAP SURVEY METHOD FOR STUDYING PEDESTRIAN TRAFFIC	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
53	Pulatova Z.S., Sadikov I.S.	MODERN METHODS OF RESEARCHING THE STREET AND ROAD NETWORK AND CREATING THEMATIC MAP OF TASHKENT WITH PEDESTRIAN ACCESSIBILITY	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
54	Berdiyev Usan Turdiyevich, Sulaymonov Utkirbek Bahodir ugli and Ismoilov Islom Nasriddin ugli	Methodology for obtaining experimental samples of composite alloys for a two-stator electric motor	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
78	Akmaljon Ikromov	Development of new Efficient Materials for Machine-Building Parts and Units of Trucks	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
96	Shohijakhon Kudratov, Otabek Khamidov, Abdulaziz Yusufov, Shakhboz Samatov	DIESEL LOCOMOTIVE DIESELS, FAULT ANALYSIS AND PROBLEM SOLUTIONS	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
101	Otabek Khamidov, Zayniddinov Nuriddin, Kasimov Obidjon, Abduvakhobov Muslimbek, Shohijakhon Kudratov	ASSESSMENT OF THE CONDITION OF BEARING ASSEMBLY TRACTION MOTORS OF ELECTRIC LOCATORS OF THE "UZBEKISTON" SERIES USING ARTIFICIAL INTELLIGENCE	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
111	B.M.Alimov, R.U.Sindarov	Graphoanalytical calculation of the coulisse mechanism in technological processes of the mortar pump	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University

142	T.K.Khankelov, K.J.Rustamov, N.B.Muxamedova, N.R.Aslanov, N.Sh.Gulyamov	Development of a System of Indices for Evaluating The Efficiency of Utility Machines	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
146	Maujuda Muzaffarova	Monitoring of track superstructure elements on the roads of JSC "Uzbekistan Temir Yollari"	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
147	Sh.A.Pirnaev, K.J.Rustamov, A.S.Mukhitdinov, M.Nurtas, N.R.Rustamova	Influence of Milling Depth and Angle of Attack on The Parameters of The Power Device	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
150	Sattivaldiyev Baxramjon, Ochilov Abdulaziz Madatovich, Xushvaktov Sardor Kenja ugli, Shavkatov Khumoyun Qahramon ugli	INFLUENCE OF HIGH ALTITUDE OPERATING CONDITIONS ON VEHICLE FUEL ECONOMY	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
160	Denis Kapsky, Umidulla Abdurazzokov, Kamoliddin Ziyaev	MEASURES TO IMPROVE THE OPERATION OF PASSENGER TRANSPORT AND URBAN MOBILITY	Engineering materials science, intelligent transport systems and transport logistics	Belarusian National Technical University Tashkent State Transport University
164	Ravshan Xikmatov, Quvondiq Urinbaev	ASSESSMENT OF THE INFLUENCE OF THE FINAL DRIVE RATIO ON THE FUEL ECONOMY OF A CAR ABSTRACT	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
168	Alimova Zebo, Tursunov Sherali, Khikmatov Ravshan, Axmajanov Ravshanjon, Karimova Kamola	Research of the quality of motor oils working in engines of mining transport equipment	Engineering materials science, intelligent transport systems and transport logistics	Tashkent state technical university
170	Norkhudjayev F.R., Mukhamedov A.A., Djalolova, S.T., Sattarov A.A., Shukurov Sh.T.	INFLUENCE OF HEAT TREATMENT AND LIQUID NITRIDATION MODES ON STRUCTURE AND PROPERTIES OF HIGH-SPEED STEELS	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Technical University
174	Masharif R. Bakiev, Ramz R. Abduraupov and Otanazar M. Matkarimov	Transporting ability of the flow during ridge movement of sediments	Hydraulics of structures, hydraulic engineering and land reclamation	"TIAME" NRU

			construction	
178	Saidburkhan Djabbarov, Ramazon Mukarramov, Azimov Zhahongir, Gani Bimurzaev	ASSESSMENT OF THE HAZARD OF LANDSLADE RISK ON THE TASHGUZOR-BOYSAN-KUMKURGON RAILROAD BASED ON THE RESULTS OF FIELD MONITORING	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
180	Riskulov A.A., Antonov A.S., Avliyokulov J.S., Alimov M.R.	Engineering materials based on modified industrial thermoplastics	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
199	D. V. Kapsky, P. N. Astapenya, Lochinbek Abdurakhimov, Doniyor Vohidov, Shakhbos Abruev, Xadiyeva Gulnoza	USING SPECIAL "PRE-SIGNALS" TO IMPROVE THE QUALITY OF TRAFFIC IN MEGA CITIES	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
222	Sarvar Kadirov, Alisher Muhametbaev	Increasing the lifetime of motor tractor diesel engines and their fuel supply equipment in high dust air conditions	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
321	Oleg Ablyalimov	TOWARDS THE SUBSTANTIATION OF OPTIMAL TRAIN TRAFFIC CONTROL MODES ON VARIOUS SECTIONS OF THE RAILWAY	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
324	Abduazzokov Umidulla Abdurazzokovich, Utaganov Sarvar Qahramon ugli	ANALYSIS OF EFFICIENCY INDICATORS IN THE EVALUATION OF CITY PUBLIC TRANSPORT	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
328	Z.M.Sattorova, O.A.Otajonov	Physico-mechanical properties and thermogravimetric analysis of aerated concrete prepared on the basis of fly ash from the Angren Thermal Power Plant and chemical additive "SDj-1"	Engineering materials science, intelligent transport systems and transport logistics	Tashkent university of architecture and civil engineering
331	Anna Avdeeva, Sherzod Fayzibaev, Oleg Ablyalimov	Contact stresses and wear of wheel pairs of railways rolling stock	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
355	J.F.Kurbanov, N V Yaronova, E G	CREATION OF A UNIT FOR MONITORING THE	Engineering materials	Tashkent State Transport

	Khujamkulov and M Y Hokimjonov	STATUS OF RECEIVING - SENDING TRACKS OF THE ELECTRICAL CENTRALIZATION SYSTEM AT THE RAILWAY STATION ON THE BASIS OF NON-CONTACT ELEMENTS	science, intelligent transport systems and transport logistics	University
356	J.F.Kurbanov, N.V.Yaronova, G.U.Yunusova and O.O.Ruzimov	CREATING A METHOD OF MONITORING THE POWER CENTRALIZATION SYSTEM	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
363	Kamoliddin Ziyayev, Daniyor Vahidov, Khumoyun Shavkatov, Khadiyeva Gulnoza Shavkatovna, Yangiyeva Ismigul Ilkhomovna	Influence of Traffic Light Management on Traffic Capacity of Urban Highways	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
375	Israilov Mashrab Erkinovich, Mukhitdinov Akmal Anvarovich, Yusupov Umidbek Boltaevich, Anvarjonov Ahmadjon Akmaljon ugli	ANALYSIS OF THE METHOD FOR CALCULATING THE ACTUAL INDICATOR TON KILOMETER PER HOUR OF LARGE TIRES AND ITS DISADVANTAGES	Engineering materials science, intelligent transport systems and transport logistics	Tashkent State Transport University
377	M.S.Nazarova, M.R.To'raeva, N.B.Kasimova, Z.S.Shokhojaeva	SCIENTIFIC AND PRACTICAL BASIS FOR ASSESSING THE IMPACT OF WATER-SAVING TECHNOLOGIES ON AGRICULTURAL PRODUCTIVITY	Engineering materials science, intelligent transport systems and transport logistics	Karshi engineering-economics institute
378	M.S.Nazarova, M.R.To'raeva, N.B.Kasimova, Z.S.Shokhojaeva	IMPROVING THE PRACTICE OF SUBSIDYING AGRICULTURAL PRODUCTION	Engineering materials science, intelligent transport systems and transport logistics	Karshi engineering-economics institute