



**XXIII INTERNATIONAL SCIENTIFIC CONFERENCE
ON ADVANCED IN CIVIL ENGINEERING**

**CONSTRUCTION
THE FORMATION OF LIVING ENVIRONMENT
2020**

(FORM – 2020)

September 23-26, 2020, Hanoi, Vietnam
www.form2020.org

Organized by:

- Moscow State University of Civil Engineering (National Research University)
- National University of Civil Engineering
- Tashkent Institute of Irrigation and Agricultural Mechanization Engineers
- University of Architecture Ho Chi Minh City
- Hanoi Architectural University

Main Topics:

- Smart City
- Modern Building Materials
- Engineering Infrastructure
- Reliability of Buildings and Constructions
- Management in Construction
- New Construction Technologies

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Special thanks for information and organizational support:

- Student Scientific Society of the Moscow State University of Civil Engineering



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KEYNOTE SPEAKERS

- **Assoc. Prof. Nguyen Hoang Giang**
Development of management policies and advanced technologies of construction demolition waste: a lifecycle approach for sustainability
National University of Civil Engineering, Vietnam
- **Prof. Viet-Anh Nguyen**
Measures to combate emerging environmental problems in urban and industrial areas in Vietnam
Hanoi University Of Civil Engineering, Vietnam
- **Prof. Ninoslav Marina**
Blockchain technologies in real estate
University for Information Science and Technology “St. Paul the Apostle”, North Macedonia
- **Prof. Anatolijs Borodinecs**
Modern energy efficient houses
Riga Technical University, Latvia
- **Prof. Armen Ter-Martirosyan**
Calculation of pile foundation settlement taking into account the influence of soil liquefaction
Moscow State University of Civil Engineering, Russia
- **Prof. Borislav Hristov**
Determination of the existing sight distance and its influence on the speed on highways
University of Applied Sciences in Berlin, Germany
- **Prof. Sergey Kuznetsov**
Metamaterials for seismic protection
Moscow State University of Civil Engineering, Russia
- **Dr. Jaroslaw Rybak**
Time as a decisive factor for control procedures in geotechnical engineering
Wroclaw University of Science and Technology, Poland



SECTION 1: SMART CITY

Authors	Title of oral report
Van Tin Nguyen and Hong Loan Nguyen	Strategies for developing tube houses in Vietnam within the framework of “smart city” concept
Angelina Rybakova and Pavel Kagan	Application of Building Information Modeling in Data Center design
Pavel Chelyshkov and Nataliya Mokrova	Decomposition of management processes in “Smart city”
Aleksander Makarov, Yulia Kalashnikova and Sergey Kalinovsky	Tiered public spaces – a new step in the development of megacities
Nguyen Quoc Toan and Dao Thi Nhu	Smart urban governance in smart city
Anastasiia Sedova and Alevtina Balakina	Reinventing cities towards being smarter
V T Pham, Q V Vu, G Papazafeiropolous, V T Ngo	Efficiency of Abaqus2Matlab toolbox for structural optimization problems
Nina Danilina and Alireza Majorzadehzahiri	Social factors of sustainability for a smart city development
Pavel Chelyshkov and Tatiana Khripko	Methods for evaluating the effectiveness of the object management system
N D Luong, U T T Ha, P T Hung and N B Minh	Investigating urban household water - energy nexus towards supporting sustainable and smart city policies: The case of Hanoi City, Vietnam



Authors	Title of oral report
Tojiddin Juraev and Denis Voloshinov	Geometric modeling laboratory as an engineering infrastructure in the digital economy
Quan T Nguyen, Phuong Q Luu and Yen V Ngo	Application of BIM in design conflict detection: a case study of Vietnam
Borislav Hristov	Determination of the Existing Sight Distance and its Influence on the Speed on Highways
Ewa Krawczyk	From parchment to BIM, standards and example of use



VIDEO PRESENTATION SESSION

Authors	Title	Type
Anh Tai Nguyen, Huu Si Dao and The Thiem Nguyen	Application of images from UAV to create cadastral map in Mekong Delta (VietNam)	Video presentation
Anh Tuan Vo, Quang Tien Bui, Van An Do, Hong Quang Le, Quoc Bao Nguyen, Thai Ngoc Huynh and Le Nhat Vu Nguyen	Remote data collecting for water meter (automatic meter reading) in high-rise building construction	Video presentation
Pavel Kagan	Stream technologies of data analysis in organizational and technological design in construction	Video presentation
Abduraxim Berdishev, Abdurakhim Taslimov, Bakhtiyor Melikuziev and Alibi Bijanov	Reliability indicators of 10 kV cable lines in rural areas	Video presentation
Minh Tuan Le, Huu Tuan Le, Ilkhomzhon Shukurov and Mikhail Slesarev	Sulfur-extended asphalt concrete with assessing the surface temperature of roads affecting UHI	Video presentation
Veronika Luchkina	Application of Green Roofing Technologies as Site Landscaping	Video presentation
Elena Korol and Natalia Shushunova	Processability of the device of exploited roofs with greening systems	Video presentation
Fedor Klashanov and Alex Swan	Application of fuzzy logic methods for controlling buildings HVAC equipment	Video presentation



Authors	Title	Type
Tatiana Bobyleva and Alexey Shamaev	Problem of damping oscillations of a mechanical system with integral memory	Video presentation
Mihail Slepnev, Elena Sherbena and Al-qatrany A. C. D	The use of smart remote sensing technologies in the development of master plans of cities on the example of the city of Basra	Video presentation
Elena Zaikova	Green Spice for the Megacity and Urbanization	Video presentation
Nguyen Thi Tuyet Dung, Bùi Mạnh Hùng, Nguyễn Thị Lan Phương, and Phạm Thị Tuyết	Completing capital mobilization plan for road maintenance in Viet Nam	Video presentation
Venera Garyaeva and Nikolay Garyaev	Analysis of project implementation concepts Smart city	Video presentation
Ngo Thi Kim Dung	Conservation & Promotion "Dinh" in Hanoi Old Quarter	Video presentation
Thuy Linh Do	Urban landscape planning adapting to flood in Can Tho city, Viet Nam	Video presentation
Thi Bich Ngoc Nguyen and Thuy Linh Do	Some solutions of "Smart city" in response to urban climate change	Video presentation
Andrey Semenov	Structural optimization of Long Ethernet lines for use in automation systems of smart city and smart home	Video presentation



Authors	Title	Type
Pham Thi Hai Ha, Nguyen Thi Khanh Phuong, Nguyen Thanh Trung and To Thi Loi	Indoor Air Quality and Thermal Comfort: An investigation in office buildings in Hanoi, Danang and Ho Chi Minh City	Video presentation
Vladislav Surin, Yan Troyanovsky, Dmitry Maskaev, Ilya Tarasenko and Mikhail Boldin	Combined system development of heat ventilation air condition temperature control by fuzzy logic controller	Video presentation
Vladimir Kolomiets	Features of Smart Lighting Project Implementation in the Cities of the Russian Federation	Video presentation
Mansur Amonov and Bakhriddin Nishonov	Seasonal variability of PM concentration in Tashkent	Video presentation
Elena Makisha	Practical formation of verification rules for building information models	Video presentation
G V Hoang, D K T Vu, N H Le and T P Nguyen	Benefits and challenges of BIM implementation for facility management in operation and maintenance face of buildings in Vietnam	Video presentation
Anatoly Plakhtiev, Aktam Denmukhammadiev and Gayrat Gaziev	Information universal non-contact transducers of control and management systems	Video presentation
B T Hieu, N H Hiep and N D Luong	Evaluating the potential for application of MODIS satellite data for urban air quality monitoring in Vietnam	Video presentation



Authors	Title	Type
M T Tran, N H Chu, T H Phan, T H Nguyen and T M L Pham	Attractiveness and Livability in New Urban Areas of Hanoi: When Their Public Spaces Are 'Socialized'	Video presentation



SECTION 2: MODERN BUILDING MATERIALS

Authors	Title of oral report
Aleksandr Inozemtcev and Thanh Qui Duong	High-strength lightweight concrete with internal curing for 3D-printing in construction
Yulia Sokolova, Marina Akulova, B R Isakulov, Alla Sokolova and A B Isakulov	The study of structure formation and mechanical strength properties of sulfur-containing woodcrete composites exposed to permanently acting loads
Vadim Soloviev, Luka Efishov and Evgenij Matyushin	Structure formation of UHPC with metal fiber exposed to high temperature curing
Vu Dinh Dau	Assessing the efficiency level of ground basalt stone and fine sand in compressive strength of portland cement
Ngoc Minh Nguyen, Ngoc Gia Nguyen and Ky Khac Nguyen	Researching materials to create insulating and decorating wall and floor tiles from concrete light decorated on foam glass bubble
Nguyen Ngoc Lam	Eco - concrete made with phosphogypsum-based super sulfated cement
Bakhrudin Khasanov, Lyudmila Irmuhamedova, G Firlina and Temur Mirzaev	Theoretical foundations of the structure formation of cement stone and concrete



Authors	Title of oral report
Nguyen Duc Vinh Quang, Olga Aleksandrova and Svetlana Samchenko	Combined effect of mineral admixtures and fine aggregate on the mechanical properties of ultra high-performance concrete
Andrei Leshkanov, Lev Dobshits and Sergey Anisimov	Structure formation of plasticized cement systems under heat-moisture treatment
Ngoc-Lam Nguyen	Internal relation between hydration kinetic and endogenous shrinkage in an ettringite-based compound
V L Hoang	Influence of mortar matrix on properties on light weight concrete with foam glass granules
Thi Phuong Do, Nguyen Lam and Minh Duc Vu	Effect of temperature on the physico-mechanical and microstructure properties of cement pastes containing fly ash and silica fume
Kim Tuan Ngo, Tien Dung Nguyen, Quang Minh Phan, Van Tuan Nguyen and Ken Kawamoto	Influence of AAC grains on some properties of permeable pavement utilizing of CDW and industrial by-product
Saveliy Lobanov, Andrey Pustovgar and Igor Gulshin	Development of polymer putty with biocidal properties using chitosan
Tien Dung Nguyen and Jean Ambroise	Contribution of calcium aluminates to the water resistance of hydrated calcium sulfates



VIDEO PRESENTATION SESSION

Authors	Title	Type
Aleksey Zhukov and Andrey Ushakov	Isolation systems based on energy efficient basalt fiber wares	Video Presentation
Aleksandr Inozemtcev, Evgeniy Korolev and Thanh Qui Duong	Effect of superabsorbent polymer solutions on structure formation and properties of cement compositions	Video Presentation
Cheynesh Kongar-Syuryun, Yulia Tyulyaeva, Albert M Khairutdinov and Tomasz Kowalik	Industrial waste in concrete mixtures for construction of underground structures and minerals extraction	Video Presentation
Mukhamad-Basir Kodzoev, Sergey Isachenko, Ekaterina Bobrova, Boris Efimov and Igor Bessonov	Ceramic products and energy-efficient systems	Video Presentation
Ilya Tverdov, Elena Gotlib, Ha Thi Nya Phyoung, Alla Sokolova and Galia Islamova	The impact of crystallite size of naturally occurring and synthetic wollastonite on its modifying effect in epoxy coatings	Video Presentation
Thi My Dung Do, Trong Chuc Nguyen and Thanh Quang Khai Lam	Investigating the effectiveness of insulation for walls of buildings in Vietnamese climatic condition	Video Presentation
Tatiana Zhdanova, Tatiana Matseevich, Chuang Wang, Valeriy Kondrashchenko and Andrey Askadskii	Prediction of the modulus of elasticity of building materials based on wood-polymer composites	Video Presentation



Authors	Title	Type
Alexander Panchenko and Igor Kharchenko	Water-resistant gypsum expanded-clay concrete technology	Video Presentation
Van-Thuc NGO, Tien-Thanh BUI, Thanh-Quang-Khai LAM, Thi-Thu-Nga NGUYEN and Van-Hau NGUYEN	Experimental Evaluation of Nano Silica Effects to High Performance Concrete Strength in Early Age	Video Presentation
Aleksandr Gumeniuk, Rudolf Hela, Irina Polyanskih, Anastasia Gordina and Grigorij Yakovlev	Durability of Concrete with Man-made Thermoplastic Sulfur Additive	Video Presentation
Aleksandr Denisov	Analytical description of the hydrogen evolution from concrete under the effect of gamma radiation	Video Presentation
Ivan Pulyaev and Anastasia Mihaylova	Implementation of the "quality" concept in the construction of transport infrastructure facilities	Video Presentation
Huu Tuan Le, Sergey Inozemtcev, Evgeniy Korolev and Anna Grishina	The efficiency of sulfur modifier to neutralize toxic gases in sulfur-asphalt concrete technology	Video Presentation
Olga Lyapidevskaya	Filtering polymer material for wall drainage	Video Presentation
T D Dang and S Miura	Evaluation of applicability of weathering steel by exposure tests in Ho Chi Minh city marine area	Video Presentation



Authors	Title	Type
Nguyen Viet Cuong and Tran Thi Thuy Van	Effect of multi-adhesives on the properties of the concrete using sea sand and sea water	Video Presentation
Dien Vu Kim, Sofya Bazhenova, Lam Tang Van and Ly Nguyen Cong	Sustainable use of industrial-waste as fine-aggregate of Foam Concrete	Video Presentation
Tang Van Lam, Ngo Xuan Hung, Boris Bulgakov, Olga Aleksandrova and Oksana Larsen	The Properties of High-strength Concrete with High Volume of Natural Pozzolan	Video Presentation
Margarita Fedyukova, Artem Kartashov, Daniil Veremeev, Alexey Zhukov and Andrey Ushakov	Insulation system of low-rise buildings on a wooden frame	Video Presentation
Olga Miryuk	Liquid-glass concrete of variable density	Video Presentation
Hieu Duy Nguyen, Pham Thanh Mai, Truong T. K. Xuan, Phan Viet Anh and Trinh T. Trang	Effects of air entraining admixture on the properties of lightweight aggregate concrete	Video Presentation
Ngoc-Vinh Nguyen and Thai-Hoan Pham	Experimental study on dynamic nanoindentation on structural weld zone	Video Presentation
D T Bach, V L Hoang and N B Nguyen	Pelletized fly ash aggregates use for making eco-friendly concrete	Video Presentation
Anna Grishina	Study of the phase composition of nanomodified biocidal cement stone by X-ray analysis	Video Presentation



Authors	Title	Type
Nguyen Ngoc Lam	Influence of drying temperature on compressive strength of geopolymer binder	Video Presentation
Vyacheslav Medvedev	Radiation resistance evaluation of HCP with superplasticizers using DSC	Video Presentation
Vladimir Belov, Pavel Kuliaev and Temur Barkaya	Ultrasonic modifications of fine-grained limestone concrete	Video Presentation
Hoang Minh Duc and Le Phuong Ly	Effects of some factors on compressive strength of structural polystyrene concrete	Video Presentation
Artem Davidyuk, Dmitriy Rybnov, Ilya Goglev, Pavel Truntov and Artem Burkov	Assessment of the effect nitrites and fluorides on the change in the strength of concrete	Video Presentation
Aleksandr Smirnov, Lev Dobshits and Sergey Anisimov	Development of high-strength self-compacting concrete with low fineness modulus sand	Video Presentation
N H Giang, N H Tan, N T Quang, N X Hien and K Kawamoto	Sustainable management and technologies for recycled construction demolition waste in Vietnam	Video Presentation
Ngoc-Lam Nguyen	Comparison of autogenous shrinkage measurements by different methods in case of fast-hardening mortar	Video Presentation
Thi Phuong Do, Nguyen Lam and Minh Duc Vu	Study on particle size distribution of aggregate from coal ash for heat-resistant concrete	Video Presentation



Authors	Title	Type
Kien Tong	Lightweight Geopolymer Concrete Panels for a wall in buildings: Technical- Economical- Environmental efficiency	Video Presentation
Nguyen Cong Thang and Han Ngoc Duc	Effect of Carbon Nanotube on properties of lightweight concrete using recycled Expanded Polystyrene (EPS)	Video Presentation
Eugene Pyataev, Vyacheslav Semenov, Elen Bilonda Tregubova and Denis Kirushok	Fine-grained concrete modified with a multifunctional additive	Video Presentation
Nguyen Trong Lam	Assessment of the compressive strength and strength activity index of cement incorporating fly ash	Video Presentation
Vyacheslav Semenov and Sergey Bazanov	Methods of increasing the resistance of concrete to catastrophic failure in a fire	Video Presentation



SECTION 3: ENGINEERING INFRASTRUCTURE

Authors	Title of oral report
Tran Thi Viet Nga	Investigation of groundwater recharge mechanism for sustainable urban water system planning and management in Hanoi city
Kurbon Dzhuraev, Aydar Nasrulin, Fotima Shadibekova and Shokhboz Kurbonov	Geoinformation systems at the selection of engineering infrastructure of pumped storage hydropower for the tuyamuyun complex
Eduard Kan, Muradulla Mukhammadiev and Nazir Ikramov	Methods of regulating the work of units at irrigation pumping stations
Elena Gogina and Tran Ha Quan	The nitrifying rate of Sequencing Batch Reactor when apply bio-carrier the Biochip to municipal wastewater treatment
Nikolay Makisha and Alexei Pervov	Research of operation efficiency of side-stream membrane bioreactors
Danh Toan Nguyen and Walter Sharmak	Agent-based simulation for gas and dust emissions assessment during construction: A case study in Vietnam
Aybek Arifjanov, Nosir Xodjiyev , Sherali Jurayev, Kozim Kurbanov and Luqmon Samiev	Increasing heat efficiency by changing the section area of the heat transfer pipelines
Olga Yantsen, Vladislav Gerasimov and Alexey Storozhev	Upgrading of industrial wastewater technique by pressure flotation



Authors	Title of oral report
H Nakanishi, Y Yabuno, T Nishikawa, T Yasuil, A T Pham, V -A Nguyen	Pilot studies on the river water treatment using coagulationUF membrane filtration and direct UF membrane filtration
Vu Thi Hoai An, Nguyen Viet Anh and Vu Thi Minh Thanh	Scenarios for treatment of sewage sludge from municipal wastewater treatment plants in Hanoi towards energy efficiency and resource recovery
Alexander Solovyev, Dmitry Solovyev and Liubov Shilova	Mathematical modelling of operation modes of water intake structures' cooling reservoirs
H T Nghiem, V C Tran, P D Hoa, T S Kieu and N H Giang	Flow of waste and a method for prediction of demolition waste generation from buildings – A case study in Hanoi, Vietnam
Viet-Phuong Nguyen, Tuan-Hung Pham, Thi-Thuy-Ha Ung, Tung Hoang and Ngoc-Tu Tong	Proposal of a set of quantitative criteria for evaluating and classifying urban street flooding spots in Vietnam
Tran Thuy Anh, Tran Duc Ha and Vi Thi Mai Huong	Evaluating the efficiency of Cyperus alternifolius on constructed wetland for the domestic wastewater treatment in the peri-urban area of Northern Vietnam
Aleksandrs Zajacs, Anatolijs Borodiņecs and Igors Neviero	Optimal use of solar collectors in small-scale districts



VIDEO PRESENTATION SESSION

Authors	Title	Type
Anh Tuan Vo, Ngoc Tuan Pham, Quang Huy Huynh, Phan Thuy Duong Nguyen, Dinh Xuan Vinh Phan and Canh Duong Hoang	Using iron alum in surface water treatment	Video Presentation
Yuliya Ryltseva and Vladimir Orlov	Measures to prevent sewerage odor emissions into the atmosphere	Video Presentation
Vladimir Orlov and Sergey Zotkin	Modeling of water and air operation mode of sewer pipelines	Video Presentation
Asror Yangiev, Dilmurat Adjimuratov, Furkat Gapparov and Farida Yunusova	The calculation of the rates in the swirling flow for the confuser section	Video Presentation
Oleg Glovatsky, Rustam Ergashev, Azamat Saparov, Mustafo Berdiev and Bobur Shodiev	Cavitation-abrasive wear working collectors of pumps	Video Presentation
Pavel Vikulin and Vera Vikulina	Influence of ultrasound on the concentration of hydrogen ions in water	Video Presentation
Vera Vikulina, Pavel Vikulin and Gyuzyal Mamina	Interaction of sorption and hydrodynamic phenomena during water filtration	Video Presentation
Evgeny Orlov	Space-planning decisions of sanitary facilities of residential buildings in Russia	Video Presentation



Authors	Title	Type
Mirziyod Mirsaidov, Ismoil Safarov, Zafar Boltayev, Mukhsin Teshaeв	Spread waves in a viscoelastic cylindrical body of a sector cross section with cutouts	Video Presentation
Nureddin Maalem, Ilkhom Begmatov, Khojiakbar Khasanov, Uktam Kahharov and Sanat Khidirov	Dynamics of hydraulic resistance in the zone of constraint of the riverbed	Video Presentation
Nataliya Osipova and Svyatoslav Kulyaev	Centralization of gas supply systems based on butane-air mixture	Video Presentation
Elena Malyavina and Elizaveta Gnezdilova	The effect of the building blind area heat insulation on heat losses through the floor on the ground	Video Presentation
Abdusamad Akhatov, Baxtiyor Gafurov, Azizjon Jakhonov and Azat Khalimbetov	Distribution of the forms of reserves of humus in typical seroms formed in geomorphological areas Tashkent-Keles	Video Presentation
Victor Mironov, Yuriy Ivanyushin, Evgeniy Zhernakov, Boris Aksenov and Dmitriy Mironov	Using Solar Energy for Autonomous Water Supply to Communities	Video Presentation
Alexey Kochev, Mikhail Sokolov and Kirill Lushin	Natural ventilation and aerodynamics of orthodox churches	Video Presentation
Olga Ruzhitskaya	Phosphate removal from wastewater using reinforced feed material at the tertiary treatment stage	Video Presentation



Authors	Title	Type
Roman Efremov	Prediction of rejection properties and performance of nanofiltration membranes based on scaling prognosis in drinking water treatment	Video Presentation
Andrei Ustiuzhanin, Konstantin Chizhik and Victor Bazhenov	Influence of weather conditions on energy consumption of controlled blowers at WWTP	Video Presentation
Dinislam Atakulov and Farrukh Babajanov	Evaluation of the hydraulic and morfometric connections of the riverbed with using GIS	Video Presentation
Elena Malyavina and Pham Van Luong	Presentation of climate information for calculating annual energy consumption by air conditioning systems	Video Presentation
Zhanna Govorova, Vasiliy Semenovykh and Oleg Govorov	Innovative unit for water treatment	Video Presentation
Alexander Akanov, Vyasheslav Belov and Ekaterina Martianova	Some aspects of ecological assessment of urbanized territories	Video Presentation
Zhanna Govorova, Roman Zaripov, Pavel Popov, Vadim Govorov and Roman Kantakov	Transportation and surface runoff treatment	Video Presentation
Nguyen Lan Huong and Tran Thi Viet Nga	Application of Geographical Information System in Environmental and Economic assessment of Run-of-river Hydropower in Central Vietnam	Video Presentation



SECTION 4: RELIABILITY OF BUILDINGS AND CONSTRUCTIONS

Authors	Title of oral report
Alexander Ginzburg, Sergey Kachanov and Sergey Kozminikh	Maintenance of comprehensive safety of tunnel-type road interchanges
Maria Berger and Alexandr Tusnin	Determination of the dynamic coefficient by the local damage of the element of steel trusses
Aleksandr Mamin, Emil Kodysh, Vladimir Bobrov, Aleksandr Reutsu and Aleksej Klovsky	The design of the overall stability of the Shukhov radio tower taking into account the local damage
Nguyen Tuan Trung, Nguyen Truong Thang and Vo Manh Tung	Granular material pressure to reinforced concrete walls of cylindrical slender silos: Analysis and Experimental studies according to Eurocodes
Nguyen Duc thi Thu Dinh and Nguyen Huu Hung	Evaluating the cable tension results by lift-off and vibration method in Viet Nam
Duy Hoa Pham, Ba Danh Le, Cong Thang Nguyen and Huu Tu Tran	Modeling the fracture behavior of Ultra - High Performance Fiber Reinforced Concrete slabs under contact Blast Loading
Marek Maj and Andrzej Ubysz	Estimation of loads' main statistics for hot materials silo
Klaudia Jendrysik and Jarosław Rybak	Analysis of numerical model parameters for dry-mixed soil-cement composite with high content of organic matter



Authors	Title of oral report
Karim Sultanov, Bakhtiyar Khusanov and Barno Rikhsieva	Underground pipeline reliability under longitudinal impact load
Bakhodir Normuminov, Rustamkhan Abdikarimov, Mirziyod Mirsaidov, Dadakhan Khodzhaev and Bakhadir Mirzaev	Parametric vibrations of viscoelastic orthotropic cylindrical panels of variable thickness
Sabida Ismoilova, Pavel Loginov, Saidjon Khamidov, Nodirbek Akbarov and Jakhongir Kumakov	Properties of the forces of longitudinal interaction of an underground pipeline with soil
Sagdulla Abdukadirov, Abdulaziz Buriev and Mark Ayzenberg-Stepanenko	Computer simulation of fracture dynamics in a fiber-reinforced composite



VIDEO PRESENTATION SESSION

Authors	Title	Type
Aleksandr Shuvalov, Igor Gorbunov and Mikhail Kovalev	Anchorage strength and ductility at various loading conditions	Video Presentation
Aleksandr Shuvalov, Larisa Safina and Mikhail Kovalev	Experimental research of service actions influence on elastomeric bearings elastic properties	Video Presentation
Anastasia Karakozova and Vladimir Mondrus	The refinement of dynamic wind load on masts and towers	Video Presentation
Andrey Korgin, Valentin Ermakov and L.Z. Zeyd Kilani	Using nondestructive methods for determination types of rebar splices	Video Presentation
Andrey Turbinov and Natalia Uvarova	A numerical method for calculating round slabs based on generalized equations of the finite difference method	Video Presentation
Andrzej Ubysz, Fedor Zhiharev, Vladimir Chernik and Denis Dekhterev	Diagram of concrete dynamic deformation confined by CFRP jackets	Video Presentation
Anna Avershyeva	Dispersion of surface Rayleigh-Lamb waves in stratified substrate	Video Presentation
Ashot Tamrazyan and Anatoliy Alekseytsev	Strategy for the evolutionary optimization of reinforced concrete frames based on parallel populations evolving	Video Presentation



Authors	Title	Type
Ashot Tamrazyan and Anatoliy Alekseytsev	Multi-criteria optimization of reinforced concrete beams using genetic algorithms	Video Presentation
Bakhtiyar Khudayarov, Fozilzhon Turaev, Valizhon Vakhobov, Otabek Gulamov and Sa'dulla Shodiyev	Dynamic stability and vibrations of thin-walled structures considering heredity properties of the material	Video Presentation
Bernadetta Polańska and Hubert Szabowicz	Analysis of the accuracy of CPT and leading parameters methods to determination of the pile bearing capacity	Video Presentation
Bernadetta Polańska and Jakub Rainer	Rigid inclusion ground improvements as an alternative to pile foundation	Video Presentation
Diyorbek Bekmirzaev, Ibrakhim Mirzaev, Nodirakhon Mansurova, Elbek Kosimov and Donitor P Juraev	Numerical methods in the study of seismic dynamics of underground pipelines	Video Presentation
Dmitriy Korolchenko, Iurii Polandov and Andrey Evich	On ignition of combustible material in a gas explosion in the premise	Video Presentation
Evgeniy Shchurov and Alexander Tusnin	Experimental Studies of Steel Beams Reinforced with Carbon Plastic Composites	Video Presentation
Evgeny Gvozdev	On the probability determination of the reliability of a technosphere object under hazardous influence	Video Presentation



Authors	Title	Type
Evgeny Lebed	Initial stress state at installation of a single-layer lattice dome due to errors of its assembly	Video Presentation
Georgy Lelikov and Dmitry Prostakishin	Anchoring devices for mounting reticulate catchers on rocky sections of roads	Video Presentation
Iurii Polandov, Anton Korolchenko and Sergei Dobrikov	On the Nature of the Acoustic Oscillations in Gas Explosions	Video Presentation
Ivan Manaenkov, Pavel Korenkov, Anastasiya Grezeva and Ekaterina Zinoveva	Calculation of deformations of concrete with indirect reinforcement according to limit state design	Video Presentation
Karim Sultanov, Bakhtiyar Khusanov and Barno Rikhsieva	Shear waves around an underground pipeline	Video Presentation
Kien Dinh, Tung T. Pham, Tu T. Nguyen, and Hiep H. Vu	Application of Synthetic Aperture Focusing Technique to visualize GPR data from reinforced concrete structures	Video Presentation
Liudmila Kuzmina and Yuri Osipov	Filtration of a highly concentrated suspension in a porous medium	Video Presentation
Lyudmila Frishter	Intensity factors of homogeneous boundary value problem in angular area of the domain	Video Presentation



Authors	Title	Type
Makhamatali Usarov, Abdulkhakim Salokhiddinov, D M Usarov, Islomjon Khazratkulov and Nadejda Dremova	To the theory of bending and oscillations of three-layered plates with a compressible filler	Video Presentation
Marina Berlinova and Mikhail Berlinov	Joint work of layers of different strengths in reinforced concrete multi-layered construction at compression	Video Presentation
Murat Tamov, Vladimir Pochinok, Georgiy Tabagua and Mukhamed Tamov	Elimination of polarization effect in DC measurement of resistivity of CNT-cement composites	Video Presentation
Nadezhda Chiganova	Rapid reliability control of products in construction	Video Presentation
Nataliya Fedorova, Vitaliy Kolchunov, Vu Ngoc Tuyen, Phan Dinh Quoc and Mihail Medyankin	The dynamic effect in a structural adjustment of reinforced concrete structural system	Video Presentation
Nematilla Nishonov, Diyorbek Bekmirzaev, Ekaterina An, Ziyoda Urazmukhamedova and Kodirjon Turajonov	Behaviour and Calculation of Polymer Pipelines Under Real Earthquake Records	Video Presentation
Nikita Ageev, Olga Poddaeva, Anastasia Fedosova and Oleg Egorychev	Numerical and experimental assessment of frequencies and amplitudes when swirling excitation of bending vibrations of construction structures	Video Presentation
Oleg Mkrtychev and Anton Savenkov	Reliability of building structures in case of an air blast wave	Video Presentation



Authors	Title	Type
Oleg Mkrtychev and Salima Mingazova	Analysis of the reaction of reinforced concrete buildings with a varying number of stories with a seismic isolation sliding belt to an earthquake	Video Presentation
Oleg Simakov and Aleksandr Simakov	Analysis of adhesion factors of the external reinforcement and base surface of the bent concrete element	Video Presentation
Olga Tushina and Alexey Kolyago	Numerical investigation of the aerodynamic coefficients for the steelmaking shop	Video Presentation
Pavel Korenkov, Vladimir Chemodurov, Ivan Manaenkov and Olesia Korenkova	Determination of the scale factor in the physical modeling of reinforced concrete structures exposed to emergency loads	Video Presentation
Paweł Maria Kulczycki	Silos and warehouses complexes in five locations in Tanzania – case studies	Video Presentation
Piotr Prokopowicz	Soil parameters' numerical back analysis for comparison of driven pile's capacity assessment methods	Video Presentation
Ravshan Indiaminov, Ruslan Butaev, Nurbek Isayev, Kubaymurat Ismayilov, Bakhtiyor Yuldoshev and Akhrorbek Numonov	Nonlinear integro-differential equations of bending of physically nonlinear viscoelastic plates	Video Presentation



Authors	Title	Type
Sabida Ismoilova, Pavel Loginov, Saidjon Khamidov, Nodirbek Akbarov and Jakhongir Kumakov	Dynamic stress state of underground pipelines at junctions	Video Presentation
Sagdulla Abdukadirov, Zuxra Shadmanova, Bakhtiyor Urinov	Effect of a plane shear wave on cylindrical shell surrounded by elastic medium	Video Presentation
Sergey Fedosov, Varvara Rummyantseva, Viktoriya Konovalova and Svetlana Loginova	Mathematical Model of Mass Transfer Processes in Biological Corrosion of Cement Concretes	Video Presentation
Sergey Savin	Progressive collapse behaviour of compressed-bent rods of RC moment frames at sudden column removal	Video Presentation
Sherzod Khudainazarov, Burxon Donayev, Erkin Abdimuminov and Yulduz Suyunova	Interaction of shock waves with elastic-plastic medium	Video Presentation
Sherzod Khudainazarov, Tulkin Mavlanov, Jakhongir Qosimov and Oliya Nurova	Forced vibrations of high-rise buildings	Video Presentation
Tatyana Rytova and Sergey Rytov	Possible measures to reduce uneven deformation of floor structures of warehouse complexes	Video Presentation
Thai-Hoan Pham and Ngoc-Vinh Nguyen	Statistical analysis of yield strength spectrum from nanoindentation for identification of constituent phases in steel	Video Presentation



Authors	Title	Type
Thanh Binh Pham and Van Tu Nguyen	Effective of tuned mass damper system for steel frame building	Video Presentation
Tien Nam Nguyen, Petr Grabov and Valery Kazarnovsky	The change in mass of insulating materials in the Vietnamese climate conditions	Video Presentation
Tran-Hieu Nguyen and Anh-Tuan Vu	Evolutionary-based optimization of steel moment frames using direct analysis method	Video Presentation
Trong-Ha Nguyen, Long Tran Ngoc and Van-Phuc Phan	Reliability assessment of Buckling Strength for Battened Built-up Columns steel considering shear deformations	Video Presentation
Trong-Ha Nguyen, Ngoc-Long Tran and Van-Phuc Phan	Analysis and Selection of Creep Models for Concrete Structures in Tropical Regions	Video Presentation
Tuan H A Nguyen	Vibration testing for dynamic properties of building floors	Video Presentation
Tuan H A Nguyen, Hieu Nguyen-Van and Nhan D Dao	An investigation of human comfort criteria for footfall induced floor vibrations	Video Presentation
V A Gorev and Anton Korolchenko	Impact of the idle run of a rotating easily dumped structure on pressure in the room	Video Presentation
Vadim Akhmetov	Method of effective parameters for calculations of turbulent swirling flows in engineering constructions	Video Presentation



Authors	Title	Type
Valentin Ermakov and Ekaterina Stepanova	Moisture content and its influence on glued timber structures	Video Presentation
Valentina Tusnina	Bearing capacity of the facade system under temperature effect	Video Presentation
Valery Telichenko, Vladimir Rimshin and Ekaterina Ketsko	Reinforced concrete structures stress-strain state strengthen with composite materials	Video Presentation
Van Phuc Le, Van Hung Nguyen and Quang Phuc Nguyen	A simplified approach in determining the c and ϕ for asphalt mixtures	Video Presentation
Viet-Hung Truong and Manh-Hung Ha	Reliability-based design optimization of steel frames using direct design	Video Presentation
Viktor Yarkin and Nataliia Lobacheva	Stress-strain state of expansive soils when soaking from above	Video Presentation
Vladimir Pochinok, Murat Tamov and Ekaterina Greshkina	Nonlinear shear analysis of I-shaped beams with arbitrary inclination angles of shear reinforcement	Video Presentation
Vu Thi Bich Quyen, Dao Ngoc Tien, Nguyen Nhu Dung and Cao Quoc Khanh	Penalty function method for imposing nonlinear multi freedom and multi node constraints in finite element analysis of frame systems	Video Presentation
Yulia Zheglova and Boris Titarenko	Methodology for the integrated assessment of design solutions for foundation pit fences based on the theory of active systems	Video Presentation



Authors	Title	Type
Yuliya Kustikova, Elena Korol, Tho Vu Dinh and Valeriia Antoniadi	Determination of efforts from temperature and humidity exposure in walls	Video Presentation



SECTION 5: MANAGEMENT IN CONSTRUCTION

Authors	Title of oral report
Anh Truong and Trang Ta	Critical Factors Affecting Schedule Performance of Transportation Infrastructure Projects in the Eastern Districts of Ho Chi Minh City, VietNam
Nikolay Ivanov	Decision making with visualizations: a cognitive framework for quality management in construction
Yousif Babakr Hussein Khoshnaw, Sergey Bolotin, Valeriya Bagulya, Haitham Bohan	Algorithm for neural network regeneration of labor costs based on the assessment of relevant construction data
Hai Doan Duong, Quang Dinh Dang, Khoa Do Huu, Duyen Dang Thi Hong, Hieu Nguyen Dinh	Management of construction prices in vietnam under market orientation In the period of international integration
Dinh Tuan Hai, Nguyen Nam Trung and Khuat Dieu Huyen	Contract form for Building Information Modelling (BIM) projects applied on construction industry in Vietnam
Nguyen Quoc Toan, Nguyen Thi Thu Hang, Le Hoai Nam, Dang Hong Duyen and Tran Phuong Nam	Application of Building Information Modeling (BIM) for automatic integration of construction costs management information into 3D models in consideration of Vietnamese regulations
Andrey Morozenko	Resistance enhancement of construction project organizational structure



Authors	Title of oral report
Tinh Dinh Cong and Quang Nguyen Minh	Estimating the construction schools cost in Ho Chi Minh City using Artificial Neural Network
Dinh Tuan Hai	Management Model for Nuclear Power Station Project in Vietnam
Mikhail Slesarev, Arthur Kovrigin and Julia Kafanova	Mathematical and mental modeling for ecological reconstruction of the environment of construction objects
Takhirjon Sultanov, Ravshan Nurimbetov, Aziz Zikriyoev and Nilufar Zokirova	Practical Health and Safety Road Map of Global Coalition as a Main Policy for Reduction of Accident Rate in Construction Industry of Uzbekistan
Ivan Voronkov and Catalina Muñoz	Integrated project program management in the nuclear-power engineering as a driver for the interindustrial development of export-based contractors of the Russian Federation
Pavel Kostrikin	State Support of Building Complex through Mortgage Rate Reduction: Prospects and Risks
Bao Ngoc Nguyen, Kerry London and Peng Zhang	Analysis and visualisation of stakeholder relationship in Offsite construction: Social Network Analysis approach
Quangdung Tran	Challenges in managing green building projects from the view of the contractors: An exploratory study in Vietnam



Authors	Title of oral report
Nguyen Thi Tuyet Dung, Vương Phan Liên Trang, Bùi Mạnh Hùng and Phạm Thị Tuyết	Capital mobilization solutions for revenue increase of road transport infrastructure development in Viet Nam
Nguyen Thi Lan Phuong	Landscape architecture spatial management for urban construction implementation of main streets, case study in Bacgiang city
Peter Grabovy and Vitaly Berezka	Determining the Reasonable Degree of Specialization of Russian Companies Participating in NPP Construction Abroad
Svetlana Kolobova	Effectiveness of the renovation in Moscow based on calculations of static and dynamic indicators
Quangdung Tran, Rodney Anthony Stewart and Steve Drew	Using AHP technique to explore e-procurement institutionalization readiness in the construction industry in Vietnam
N Yaskova and T Kolosova	The Investment and Construction Activities Transformation at the Modern Development Stage of Russia



VIDEO PRESENTATION SESSION

Authors	Title	Type
Pavel Oleinik, Tatyana Kuzmina, Diana Zueva and Mariya Balmashnova	Optimization of the duration of the pioneer construction period	Video Presentation
Sergei Sborshchikov and Natalia Lazareva	Resource provision of the capital construction facility reengineering	Video Presentation
Sergei Sborshchikov, Natalia Lazareva and Elizaveta Kochenkova	Use of Reengineering in Construction	Video Presentation
Evgeny Pankratov, Vladimir Grigoryev, Oleg Pankratov	The blockchain technology in real estate sector: Experience and prospects	Video Presentation
Anastasiia Slavina, Diana Tereshenko, Anastasiia Fomina and Ekaterina Rukosueva	The place of virtual structures in design of engineer process	Video Presentation
Anatoly Tikhonov	Management of the organization of production of building materials and products	Video Presentation
Svetlana Borozdina and Anastasiya Dement'eva	Algorithm for the development project's technology portfolio formation	Video Presentation
Pavel Bilenko, Iuliia Artamonova, Alexey Kolesnichenko and Daniil Osipov	Evaluation of investment efficiency in cyber-physical systems and technologies in the construction industry	Video Presentation
Nguyen Thi Thu Nga and Nguyen Anh Tuan	Research some key risk factors in construction	Video Presentation



Authors	Title	Type
Nadezhda Cherednichenko, Tatiana Kuzmina and Vladimir Efimov	Decision-making theory methods as a tool for choosing construction technology	Video Presentation
Sergei Beliakov and Anna Kapustkina	Analysis of the current stage of reforming mechanisms for financing shared housing construction in Russia	Video Presentation
Duc Binh Tran and Van Tan Tran	Efficiency of ultra-high-performance concrete applications on bridge construction	Video Presentation
Artem Nelyubov	Method of evaluation the current state of municipal infrastructure for investment planning purposes	Video Presentation
Andrey Morozenko и Alexey Shashkov	Resource assessment of large-block construction of NPP	Video Presentation
Aleksandr Aleksanin	Modern methods of increasing the level of resource saving in construction	Video Presentation
Ilia Tyurin	Methods of computer modeling of cost models for buildings	Video Presentation
Margarita Panteleeva	Capital construction projects management based on Bayesian networks integrated into the complexity model	Video Presentation



Authors	Title	Type
Maria Bovsunovskaya	Modern approaches to assessing the efficiency of urban development projects in the context of the formation of a comfortable urban environment	Video Presentation
Irina Zaslavskaya	Ensuring financial statement accuracy through adjusting the value of reserves in construction organizations	Video Presentation
Anastasia Stepanova and Liubov Shilova	Prospects of using task management in design	Video Presentation
Thi Thanh Mai Nguyen and Thi Mai Chi Nguyen	Analyzing the impact of accessibility on property price by using hedonic-price modelling for supporting urban land management towards TOD in Hanoi, Vietnam	Video Presentation
Oleg Korol, Yuliya Kustikova and Valeriia Antoniadi	Analysis of the efficiency of works at capital repair of civil buildings	Video Presentation
Boris Khrustalev, Tatyana Chudaykina, Zarema Ayupova and Denis Zhelihovsky	Establishment of commercial real estate placement and management system in the city	Video Presentation
Olga Kuzina	Information technology application in the construction project life cycle	Video Presentation
Nikolai Bolshakov, Vladimir Badenko, Vladimir Yadykin, Alberto Celani and Alexander Fedotov	Digital twins of complex technical systems for management of built environment	Video Presentation



Authors	Title	Type
Vitaliy Kasyanov and Ivan Marchenko	Reconstruction of Kropotkin city in Krasnodar Region in medium term perspective	Video Presentation
Natalia Taskaeva, Tatiana Meshcheryakova and Natalia Shchepkina	Unified informational statistical base as a tool for monitoring energy efficiency of industrial facilities	Video Presentation
Natalia Solopova, Tatiana Meshcheryakova and Natalia Shchepkina	Conceptual basis for the development of Methodology for assessing the energy efficiency classes of industrial facilities	Video Presentation
Victoria Borkovskaya and David Passmore	Risk Reduction Strategy and Risk Management on The Basis of Quality Assessments	Video Presentation



SECTION 6: NEW CONSTRUCTION TECHNOLOGIES

Authors	Title of oral report
Phuc Tran Van, Vu Le Hoang, Duc Nguyen Cong, and Tien Pham Ngoc	Determination of Collapse Load of Engineering Structures using Iterative Node-based Smoothed Finite Element Analysis Method
Aybek Arifjanov, Kudrat Rakhimov, Dilbar Abduraimova, Askar Babaev and Sarvar Melikuziyev	Hydrotransport of river sediments in hydroelelators
Quang Thanh Truong, Ngoc Linh Nguyen and Thi Quynh Nhu Nguyen	Mechanical behavior of Vinh Long soil mixed with cement
Viatcheslav Orekhov and German Alekseev	Assessment of the safety of Rogun HPP dam in case of seismic impacts
Tam Nguyen-Tat	Damage classification in concrete, mortar and cement-paste beams under bending by Acoustic Emission Technique (AET)
Dmitry Kozlov and Anghesom Ghebrehiwot	Integrated design and construction approach to hydrotechnical structures in Eritrea
Alexandra Bestuzheva and Ivan Chubatov	Numerical modeling of the controlled lifting of the structure
Farkhadjan Adilov, Shakhnoza Makhmudova, Rustam Abirov, Elyor Toshmatov and Ikbal Maxmudova	To assessment of stress-stain state in rock continua
Tiep Duc Pham, Nang Duc Bui, Tuan Tien Nguyen and Hieu Chi Phan	Predicting the reduction of embankment pressure on the surface of the soft ground reinforced by sand drain with



Authors	Title of oral report
	random forest regression
Takhirjon Sultanov, Khamidkhon Fayziev, Elyor Toshmatov and Ilkhomjon Zokirov	Stability of dam slopes of phosphogypsum sludge collectors
Ngoc Hieu Pham, Cao Hung Pham and Kim J R Rasmussen	Evaluation of Current Standards in Designing Cold-rolled Aluminium Channel Beams
Farrukh Shaazizov and Diyor Shukurov	Physical modeling of the filtration process through the dam base
Zaven Ter-Martirosyan and Dam Huu Hung	Interaction of a long barrette with three-layer base taking into account elastic and elastic- viscous properties of hereditary creep
Hau V. Nguyen	Study of Rupture Mechanism in Concrete Girder Strengthened by External Fiber Reinforced Polymer Using Crack Analysis
Genrikh Orekhov	Ejecting ability of circulating flows of liquid and gas



VIDEO PRESENTATION SESSION

Authors	Title	Type
Nguyen Van Giang and Nguyen Thanh Dat	Solutions to deal with flooding by using green buildings in Vietnamese urban areas from Japanese experience.	Video Presentation
Asror Yangiev, Klara Salyamova, Khusanboy Turdikulov and Xomitxon Fayziev	Dynamics of an earth dam with account for rheological properties of soil under dynamic effect	Video Presentation
Masharif Bakiev, Yakubov Kuvonch and Jamshid Choriev	Distribution of turbidity in flow constrained by transverse dam	Video Presentation
Nazir Ikramov, Takhir Majidov, Eduard Kan and Ilhomjon Ikromov	The height of a damless water intake structure threshold	Video Presentation
Elena Korkina, Igor Shmarov and Matvey Tyulenev	Effectiveness of energy-saving glazing in various climatic zones of Russia	Video Presentation
Evgeny Sobolev and Armen Ter-Martirosyan	Dynamic problems of scientific support construction	Video Presentation
Vitalii Sidorov and Anastasya Almakaeva	Soil and structures interaction investigation features	Video Presentation
Bakhtiyar Uralov, Sanat Xidirov, Bakhtiyar Matyakubov, Zokhidjon Eshonkulov, Bakhodir Norkulov and Abdulatif Gayur	River channel deformations in the area of damless water intake	Video Presentation



Authors	Title	Type
Dilshod Bazarov, Bakhtiyar Uralov, Bakhtiyar Matyakubov, Oybek Vokhidov, Farokhiddin Uljaev and Makhfuz Akhmadi	The effects of morphometric elements of the channel on hydraulic resistance of machine channels of pumping stations	Video Presentation
Pavel Oleynik, Yulia Korchagina	Organizational and technological sequence of the construction of an innovative type of hinged ventilated facade of a multi-storey building	Video Presentation
Masharif Bakiev, Uktam Kaxxarov, Azizjon Jakhonov and Otanazar Matkarimov	Kinematic characteristics of the flow, in the compression region, with bilateral symmetric restriction by floodplain dams	Video Presentation
Anatoly Krutov, Bekhzod Norqulov, Fotima Artikbekova and Panji Nurmatov	Optimal location of an intake at a reservoir prone to salt diffusion	Video Presentation
Kahramanjon Khusanov	Equations of motion of mechanical systems with nonlinear nonholonomic servoconstraints	Video Presentation
Anatoliy Drozdov	Automation of vibration modes of soil compaction machines	Video Presentation
Jamshid Choriev, Turavoy Muslimov, Ramz Abduraupov, Azat Khalimbetov and Sarvar Abdurakhmonov	Fundamentals of developing and designing portable weirs for farmlands	Video Presentation
Maria Yumasheva, Yuliya Bryanskaya and Ilya Bryansky	Flexible concrete protective coating resistance to approach flow exposure	Video Presentation



Authors	Title	Type
Nikolai Aniskin and A Antonov	Forecast of temperature and filtration regime of melt dams with liquid coolers	Video Presentation
Mikhail Sainov	Theory of stress-strain state of concrete faced rockfill dams	Video Presentation
Nikolay Aniskin and Trong-Chuc Nguyen	Evaluation of thermal cracks in mass concrete structures during construction	Video Presentation
Qudratjon Rakhimov, Davronjon Allayorov and Zaytuna Ibragimova	Increasing flow turbidity in pressure systems	Video Presentation
Arthur Man'Ko	The methodology of geo-information monitoring system of oil pollution distribution in sandy soils near fuel station	Video Presentation
Nadezhda Nikiforova and Nguyen Van-Hoa	Calculating the maximum pressure on the diaphragm wall subjected to seismic loading accounting for geotechnical conditions of Vietnam	Video Presentation
Azariy Lapidus, Alan Khubaev and Tembot Bidov	Regression analysis of the calculation of the organizational and technological potential for the production of cold weather concreting	Video Presentation
Ludmila Volgina and Stanislav Sergeev	Water jet cutting resistance	Video Presentation



Authors	Title	Type
Shakhnoza Djabbarova, Farida Yunusova, Umidbek Masharifov and Nodira Babajanova	Impact of discharge structure carrying capacity on the velocity of water reservoir drawdown	Video Presentation
Dmitriy Chyunyuk, Evgeniy Morozov, Vladimir Znamensky and Alexandr Vlasov	Modification of structural properties of filled soil by the "Geocomposite" method in the base of foundation slab	Video Presentation
Mikhail Rabinovich, Alina Zavodova and Anastasiya Arnautova	Assignment of minimum depth of piled foundation in structurally unstable permafrost soils factoring in emergency situations	Video Presentation
Alexander Ibragimov, Ekaterina Zinoveva and Stanislav Rosinskiy	Prefabricated steel structures with a corrugated web (Part 1. Beam)	Video Presentation
Hoang Hiep Vu, Truong Giang Do and Trung Tu Nguyen	The application of polypropylene fiber for reinforced concrete beams and slabs	Video Presentation
Seyran Akimov, Vasiliy Shalenny, Kirill Leonenko and Vladimir Malahov	A resource-efficient development of VELOX-technologies during erection and reconstruction of prefabricated monolithic floor slabs	Video Presentation
Ghinwa Hadla, Alexander Anshakov and Izmail Kantarzhi	Composite Modelling in Port Engineering	Video Presentation
Michail Zertsalov, Daniil Vlasov and Kirill Minin	To the problem of determining the deformation characteristics of jointed rock mass	Video Presentation



Authors	Title	Type
Fedor Portnov and Sofya Kovaleva	Features of modelling reinforced concrete structures in order to give fire resistance	Video Presentation
Azariy Lapidus, Marat Kuzhin and Iana Shesterikova	Construction project organizational and technological parameters analysis	Video Presentation
Tamara Makeeva and Vitaly Trofimov	Formation of soil sinkholes in the form of a collapse pipe	Video Presentation
Elena Bazhina and Pavel Bazhin	Safety of urban buildings near explosive objects	Video Presentation
Dilshod Bazarov, Irina Markova, Bekhzod Norkulov, Kasimbek Isabaev and Mukaddas Sapaeva	Operational efficiency of water damless intake	Video Presentation
V V Berlin, A K Fink, A V Golubev and O A Muraviov	Transient processes and optimization of HPP hydraulic structures	Video Presentation
Quang-Minh Phan, Viet-Phuong Nguyen, Tuan-Nghia Hoang and Ngoc-Tru Vu	A novel approach using sustainable structures in preventing coastal erosion and forming sandy beach in Vietnam	Video Presentation
Hong Ha Le, Chi Cong Vu, Van Thuc Luu and Ngoc Khoa Ho	A method of controlling thermal crack for mass concrete structures: modelling and experimental study	Video Presentation
Alexey Glushkov, Ilya Glushkov and Vyacheslav Glushkov	Experimental and theoretical studies of the interaction of slotted foundations with the basis	Video Presentation



Authors	Title	Type
Zaven Ter-Martirosyan and Valery Demyanenko	Settlement and bearing capacity of the foundation of a finite width due to extrusion of a loose ground layer from the compressed footing mass	Video Presentation



NOTES:

