

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



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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



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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
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
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



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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
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



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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
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



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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
Thanh Binh Pham and Van Tu Nguyen	Effective of tuned mass damper system for steel frame building	Video Presentation
Tien Nam Nguyen, Petr Grabovy and Valery Kazarnovsky	The change in mass of insulating materials in the Vietnamese climate conditions	Video Presentation



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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
Valentin Ermakov and Ekaterina Stepanova	Moisture content and its influence on glued timber structures	Video Presentation
Valentina Tushina	Bearing capacity of the facade system under temperature effect	Video Presentation



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

