



WORKSHOP 4 “RELIABILITY OF BUILDINGS AND CONSTRUCTIONS”

April 26 9:30-13:00

14:15-17:45

#	TITLE	SPEAKER	PRESENTATION
68	Features of formation and functioning of the integrated structures in construction	Daria Subbotina	Oral
76	Analysis of normative and scientific and technical documents in the field of testing bridge structures for wind loads	Anastasia Fedosova	Oral
88	Atypical structural systems for mobile communication towers	Igor Garanzha	Oral
89	Improving the reliability of engineering collectors	Andrey Sherstnev	Oral
97	Determining load-carrying capacity and remaining lifetime of bridge in Vitanova, Slovakia	Peter Koteš	Oral
98	Rapid tests of corrosion in corrosion chamber	Jaroslav Odrobiňák	Oral
102	Geotechnical monitoring to ensure reliability of construction and operation of buildings and structures	Elena Gryaznova	Oral
103	About trend assessment of maximum annual values of snow load on the ground in Krasnodar Krai	Vladimir Pochinok	Oral
117	Causes of cracking in reinforced concrete faces of rockfill dams	Mikhail Sainov	Oral
160	Experimental justification of the dynamic coefficient	Maria Berger	Oral
161	Calculation of reinforced concrete plates with hole at longterm loading	Ashot Tamrazyan	Oral
193	Optimisation reinforced concrete slab with risk analysis according to the criterion of minimum cost	Ekaterina Filimonova	Oral
213	Experimental results of concrete under dynamic exposure preceded by long-term static load	Konstantin Tsvetkov	Oral
217	Analysis of domestic and foreign regulatory and scientific and technical documents in the field of wind influence on buildings and structures that are part of hazardous production facilities	Vladislav Pomelov	Oral
225	The field of crack directions in reinforced concrete bending elements	Sofia Kurnavina	Oral



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251	Application of ultrasonic methods for determination location and sizes of granite blocks of the monument pedestal	Laith Zeyd Kilani	Oral
252	Assessment of building structure using data from dynamic monitoring	Alexandr Lyapin	Oral
281	Model of stressed-strained state of multi-layered reinforced concrete structure with the use of composite reinforcement	Vu Dinh Tho	Oral
288	Behavior of compressed reinforced concrete columns under thermodynamic influences taking into account increased concrete deformability	Levon Avetisyan	Oral
293	Cracks in monolithic concrete constructions, their correlation with capacity and durability forecast.	Larisa Safina	Oral
453	Composite materials for strengthening of load-bearing wooden structures in historical buildings	Nickolay Linkov	Oral

POSTERS SESSION

#	TITLE	SPEAKER	PRESENTATION
3	Assessment of existing civil engineering structures	Milan Holicky	Poster
4	Target Reliability for Civil Engineering Structures	Milan Holicky	Poster
17	Optimization of steel frame building systems in terms of parameters and reliability requirements	Igor Serpik	Poster
59	Water security and the tasks of hydraulic construction in Russia	Dmitry Kozlov	Poster
63	Assurance of reliability of high-rise building structures at design stage as exemplified by residential building complex in Ekaterinburg.	Liubov Avdonina	Poster
64	The influence of the second row of piles in double-row pile retaining walls with the stabilization of landslide	Vladimir Margolin	Poster
71	Operational dependability of water intake facilities	Mariia Lavrova	Poster
128	Construction Strengthening in Historical Wooden Cupolas Restoration	Alexander Belkin	Poster
136	Structural transformation of reinforced concrete structural system at sudden loss of stability of one of its elements	Nataliya Fedorova	Poster
158	To estimation of the spatial cracks formation in reinforced concrete structures under the action torsion with bending	Alexey Demyanov	Poster



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THE FORMATION OF LIVING ENVIRONMENT

#	TITLE	SPEAKER	PRESENTATION
205	Improving the Reliability when Designing Formwork following Vietnam Standards	Duc Nang Bui	Poster
229	The analysis of the wear process in building constructions with the use of the theory of stochastic functions	Fedor Zhikharev	Poster
230	Reliability assessment of waterproofing systems of buildings underground parts	Nadezhda Smirnova	Poster
249	Automation reinforced concrete structures design models based on the results tomographic ultrasonic	Valentin Ermakov	Poster
280	Cad methods of structural solutions for reinforced concrete frame	Anatoly Bedov	Poster
363	The influence of pliability of supports on statistically undefined reinforced concrete elements at temperatures under -50°C	Mikhail Medyankin	Poster