

## RELIABILITY AND SAFETY IN CONSTRUCTION

# Submission	Authors	Title
9	I L Shubin, <u>N V Bakaeva</u> , A V Kalaydo	Comparison of Approaches to Ensuring the Radon Safety of Designed Buildings in Russia and USA
25	<u>Maksim Zubritskiy</u> , Oleg Ushakov, Linar Sabitov, Maksim Bambulevich and Leysan Akhtyamova	Seismic resistance estimation of existing turbogenerator foundation structures under ductility level earthquake impact by nonlinear static method
34	<u>Aleksandr Perunov</u>	Method for measuring deflections of monolithic floors in conditions of poor visibility of the structure
37	Armen Ter-Martirosyan and <u>Vitalii Sidorov</u>	Studying the influence of taking into account the elastic-plastic behavior of strut elements on the retaining system equilibrium
50	<u>Evgeniy Gvozdev</u>	The influence of the human factor on the safety of operation of the industrial buildings and structures
55	<u>Armen Ter-Martirosyan</u> and Evgeny Sobolev	Analysis of the seismic stability of foundations according to laboratory soil tests

61	<b><u>Yuliya Lukyanova</u></b> and Andrey Lavrusevich	Identification of a potential danger zone for industrial enterprises in the Far North
73	Emil Kodysh, Nikolay Trekin, Aleksej Chaganov, <b><u>Vladimir Bobrov</u></b> and Sergej Shmakov	The main causes of accidents of space lattice Kislovodsk-type structures
75	Ashot Tamrazyan and <b><u>Anatoliy Alekseytsev</u></b>	Assessment of mechanical safety of cost-optimized reinforced concrete structures
83	<b><u>Kirill Zherdev</u></b> , Olga Korolchenko and Ragim Gadzhiyev	Polyspast -personal fall protection equipment. Features of certification and certification tests
89	<b><u>Konstantin Stepanischev</u></b> and Vitalii Sidorov	Using the method of vertical reinforcement for design of the soil base
94	<b><u>Ivan Khokhlov</u></b>	Recent experience in solution of geotechnical problems during subway tunneling in Moscow
114	Leonid Shilov, Sergey Evtushenko, Dmitrij Archipov and <b><u>Liubov Shilova</u></b>	The prospects of information technology using for the analysis of industrial buildings defects
125	Oleg Kabantsev and <b><u>Oleg Simakov</u></b>	Reinforcement of brick partitions of buildings located in seismic areas with composite materials based on carbon fibers

160	Mark Abelev, Igor Averin, Daria Karalli and <b><u>Olga Kopteva</u></b>	Up-to-date technologies of constructing foundations on loose soil in the city of Moscow
161	Mark Abelev, Dmitry Chyunyuk and <b><u>Olga Kopteva</u></b>	Construction Specifics of Oil Tanks with a Capacity of 20,000 m <sup>3</sup> on Large Strata of Collapsible Loess Soils
162	<b><u>Sergey Savin</u></b> and Ivan Manaenkov	On deformation criteria of a special limit state of eccentrically compressed elements of RC building frames
195	V A Gorev and <b><u>A D Korolchenko</u></b>	Influence of the installation depth of the easily dumped structure on the room pressure during a gas explosion
199	<b><u>Sergej Evtushenko</u></b> , Boris Chernykhovskiy and Anastasia Alecseeva	Finite element analysis of a frame connection of a girder with a rack under beyond design basis impact
202	Nataliya Fedorova, <b><u>Michael Medyankin</u></b> and Sergey Fedorov	Strength of heavy concrete under static-dynamic deformation
217	<b><u>Peter Danišovič</u></b> and Juraj Šrámek	Final smoke spread simulations for Tunnel traffic & operation simulator
218	<b><u>Vladimir Rimshin</u></b> , Ekaterina Ketsko, Pavel Truntov, Irina Kuzina and Grigory Bykov	Design and calculation solutions for designing biological treatment facilities

227	<b><u>Nikolay Atarov</u></b>	Computation of the influence of the surcharge on the state of stress of the round plate on a bumping foundation
235	<b><u>V T Erofeev</u></b> , T F Elchishcheva, M V Makarchuk, E M Preobrazhenskaya and A V Tingaev	Mechanical properties of samples from polymer materials manufactured by the additive method