

SECTION IV
MODELLING AND MECHANICS OF BUILDING STRUCTURES

November 14, 2018

14:00-19.00

Mechanics of Building Structures

Submission #	Title of the report	Authors and Speaker
23	Modeling of Plasticity and Creep under Variable Stresses	Vladimir Andreev and Georgy Urumov
73	Verification of the reinforced concrete column bar model based on the test results	Oleg Mkrtychev, Marina Dudareva and Mikhail Andreev
54	Interaction of the base and construction under seismic action, with considering various characteristics of soil damping	Evgeny Sobolev and Armen Ter-Martirosyan
72	Verification of the eccentrically compressed reinforced concrete column calculation model based on the results of a full-scale experimental study	Mikhail Andreev , Sergey Bulushev and Marina Dudareva
252	Influence of the binder filtration on residual stresses at the composite constructions manufacturing	Andrei Sergeev, Robert Turusov , Arkadiy Gorenberg and Alexandr Kuperman
100	Static calculations of the pipeline under sanitation by means of "pipe-in-pipe" method	Oleg Primin , Sergey Zotkin and Grigory Gromov
122	Simulating seismic impacts using vibrating machines	Avetik Abovyan
166	Effective characteristics of a layered tube consisting of elastic-creeping materials	Tatiana N. Bobyleva and Alexei S. Shamaev
167	The research of dynamic impacts on the hydraulic structure foundation base, transformed in the process of accident recovery	Zaven Ter-Martirosyan, Armen Ter-Martirosyan and Ivan Luzin
193	Load carrying capacity of castellated I-beam in the elastoplastic formulation problem	Oleg Goryachevskiy
214	Influence of the new construction to settlement of historical building when accounting hardening of medium sand in basement	Dmitriy Chunyuk and Daria Rasskazova
250	Dispersive waves in functionally graded plates	Alla Ilyashenko and Sergey Kuznetsov
150	A long-term strength of constructive materials	Evgeny Larionov
151	The choice of soil models in the design of deep excavation in soft soils of Viet Nam	Nguyen Van Hoa and Nadezhda Nikiforova
238	Design of FRP belts for building retrofitting	Oleg Simakov