

SECTION III
ENGINEERING AND SMART SYSTEMS IN CONSTRUCTION
November 15, 2018
15:30-19.00

Energy efficiency in construction

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317	Investigation of losses of infiltration by the basis of data on aerodynamic parameters of the building object	<u>Julia Gribach</u> , Pavel Churin and Dmitriy Gribach
133	Experimental studies of the transporting capacity of the pipe textured relief trays	<u>Vladimir Orlov</u> and Irina Dezhina
203	Modeling of processes of wastewater treatment from nitrogen compounds in the trickling biofilter	Elena Gogina and <u>Olga Yantsen</u>
274	Comparative Performance of Tetraphosphonate and Diphosphonate as Reverse Osmosis Scale Inhibitors	<u>Alexey Andrianov</u> , Maria Danilycheva, Stefania Liakaki-Stavropoulou, Konstantinos Demadis and Roman Efremov
277	A complex of treatment facilities for the neutralization of surface run-off from urban territories	Oleg Primin, <u>Galina Varyushina</u> and Andrey Ten
231	Deodorization of water at water treatment plants in the lower Volga with activated anthracite	<u>Liudmila Boronina</u> , Russlan Israilov and Valerii Fomichev
312	Influence of the channel arrangement for the passage of the coolant on the heat transfer process of a convective heater	<u>Samvel Sargsyan</u> and Viktoria Borisova
213	Deflector role in formation of apartment air exchange of the multistorey building	<u>Kaminat Agakhanova</u>
12	Multi-criterion parameters optimization of the heat exchanger element air heating system of a building	<u>Andrei Melekhin</u>
63	Effect of climate change on the annual energy consumption of a single family house in British Columbia	<u>Fuad Baba</u> and Hua Ge
36	A mathematical model for the calculation of the thermal regime of the underground tunnel	<u>Dmitriy Titkov</u> and Yarkov Ilya
96	Estimation of energy efficiency of water heating systems in terms of electricity consumption	<u>Sergey Usikov</u>
123	Determination of high-pressure pipeline cyclization degree with exploratory technique	<u>Aleksey Klochko</u> and Viktor Zhila
186	On the mutual influence of local resistances in the distribution of ventilation air	Alexey Kashurkin and <u>Vitaly Prokhorov</u>
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