

**WORKSHOP 1 “SMART CITY”****SECTION: INFORMATION TECHNOLOGY AND AUTOMATION****April 25 15:00-18:15**

#	TITLE	SPEAKER	PRESENTATION
201	The method of optimization of energy-efficient engineering solutions by varying criteria in CAD	Denis Lysenko	Oral
78	Life Cycle Assessment (LCA) of a LEED certified building	Alina Vigovskaya	Oral
424	Case study for the integration of geometrical analyses for structural condition assessment in building information models	Jakob Taraben	Oral
405	Integration of territorial analysis methods in site selection on the example of Saint Petersburg	Alberto Celani	Oral
474	Towards Digitalization of Building Operations with BIM	Zsuzsa Besenyői	Oral
384	Method of automated selection of necessary detailing in energy modeling	Yan Grossman	Oral
114	Elements of architectural and artistic expressiveness of urban highways	Tatiana Pronina	Oral
235	Innovative technologies in the field of topography, land management, territorial planning, construction and architecture	Vladimir Prihodko	Oral
303	Smart City Technologies for Sustainable Rural Development	Elena Shcherbina	Oral
318	Management of parameters of the functioning of engineering systems of the building object based on algorithmic data analysis	Anastasia Andreeva	Oral
310	Solar heating and hot water supply of high-rise buildings	Daria Konstantinova	Oral

**SECTION: ENERGY SAVING AND ECOLOGY****April 26 9:00-13:15**

#	TITLE	SPEAKER	PRESENTATION
130	Investigation of different materials usage expediency for a low-rise public building from the energy efficiency standpoint	Natalia Perfilyeva	Oral
141	Energy-efficient installation of windows in multi-storey residential buildings	Timur Safiullof	Oral
142	Thermal buoyancy ventilation systems	Darya Abramkina	Oral
156	Assessment of Factors Affecting the Energy Efficiency of High-Rise Buildings in Modern Cities	Botir Giyasov	Oral
172	Calculation method of heat consumption for buildings life support systems	Vitaly Prokhorov	Oral
191	The mechanism and identification of corrosion of steel pipes in hot water supply systems	Alexey Andrianov	Oral
194	Building of clusters of energy-efficient roadside and road safety	Svetlana Ilvitskaya	Oral
271	Civil Engineering in the Eastern Part of the Mediterranean Sea. Syrian Coast	Ghinwa Hadla	Oral
287	Calculation air regime of a residential building with individual exhaust channels	Kaminat Agakhanova	Oral
299	Mathematical modeling of environmental loads at stages of construction object	Mikhail Slesarev	Oral
366	The basic theoretical principles of planning the distribution of gas flow low pressure	Olga Gnezdilova	Oral
439	Sewage treatment in megacities by modified chestnut tree waste	Zhanna Sapronova	Oral
449	The assessment of technology SBR in Vietnamese wastewater treatment	Tran Ha Quan	Oral

**SECTION: ARCHITECTURE AND TOWN PLANNING****April 26 14:15-18:00**

#	TITLE	SPEAKER	PRESENTATION
28	Managing smart-city transportation planning of "Park-and-ride" system: case of Moscow metropolitan	Nina Danilina	Oral
60	Methods of housing migrant workers in a megalopolis	Kseniya Beloborodova	Oral
92	Exposition-educational centers of national arts and crafts	Maria Ekhina	Oral
119	Smart urban furnishing and smart cities	Gianandrea Ciaramella	Oral
179	Architectural-planning and constructive structures of residential buildings and buildings on complex terrain	Adham Giyasov	Oral
221	Conducting calculating and experimental researches of the bioclimatic comfort of the residential area territory	Julia Gribach	Oral
270	Creating protected areas in the urban environment, corresponding to the "Smart City" formation concept. The way to sustainable development of urban ecosystems	Pavel Papush	Oral
292	The problems of preservation of ethnocultural and urban-planning heritage of the European North of Russia	Galina Melnikova	Oral
324	Features of assessment of bioclimatic comfort for modern residential buildings in hot-dry climates	Ilya Dunichkin	Oral
328	Smart-technology in city planning of post-war cities	Ali Belal	Oral
378	Reconstruction of industrial building with nonstandard space-planning decisions	Petr Iatsinevich	Oral
451	Smart and Sustainable cities, a new definition for a Resilience-driven city	Alberto Celani	Oral
456	Integration of Historical Manor Complexes into the Urban and Suburban Infrastructure	Tatiana Lukonina	Oral


**POSTERS SESSION**

#	TITLE	SPEAKER	PRESENTATION
6	Conceptual approach to the creation of "smart" sewerage system for surface city runoff	Andrey Voronov	Poster
40	Integral evaluation of variants of renovation projects for Moscow city blocks	Egor Kotov	Poster
50	Impact of settlement location conditions on the formation of urban coal mining area borders	Nadezhda Samoylova	Poster
70	The decrease in capital expenditures of plumbing and sewerage reconstruction	Mariia Lavrova	Poster
106	Comparison of the completeness of the climate probability-statistic model and the reference year model	Olga Malikova	Poster
110	The residential area for mountain elevation settlements choice with the given structural features of the houses	Ilhomjon Shukurov	Poster
121	Podium landscape of residential zones	Olga Gerasimova	Poster
132	Traffic flow organization in urban transport transit hubs	Irina Teplova	Poster
140	Biosphere compatibility - a non-controlled paradigm of security of urbanized (city) environment	Sergey Fedorov	Poster
151	Implementation of construction projects for social infrastructure development in Smart Cities	Irina Chubarkina	Poster
168	Modern translucent structures in multistory residential buildings	Polina Boriskina	Poster
169	Development of a polyfunctional structure of transport hubs in Smart City	Nataliya Shirokaya	Poster
219	Natural researches of temperature condition of an external wall with LSK	Aleksandr Plotnikov	Poster
238	Architecture design of continuing professional education for teenage group	Sofia Ulyanovskaya	Poster
257	Low-oxygen method of wastewater treatment with effective nutrients removal	Igor Gulshin	Poster
268	Engineering investigations as a basis of ecologically safe construction in the conditions of highlands	Olga Krinochkina	Poster
379	Wastewater treatment in membrane bioreactors. Features and application	Anastasia Nesterenko	Poster
380	Reuse of treated wastewater	Olesya Vasyutina	Poster
381	The integrating of architecture and nature into environmental objects in mountainous terrain	Irina Maltseva	Poster



#	TITLE	SPEAKER	PRESENTATION
393	«Smart settlements»: the development concept in a new socio-economic and informatiologic conditions	Elena Gorbenkova	Poster
402	The of constructing a centralized control of engineering systems of objects of modern civil engineering	Andrey Semenov	Poster
413	Forward temperatures and production planning in district heating systems	Svyatoslav Kulnyaev	Poster
431	Environmental graphic method for creating area of permissible impact	Mikhail Slesarev	Poster
432	Development of the Smart City Concept in Sustainable Economy	Alexey Krupkin	Poster
435	Methods of selection of the outdoor air design temperature and enthalpy in the warm period of the year	Elena Malyavina	Poster
440	Mathematical modelling of the indoor ice arena with two control volumes for calculation of the air exchange	Samvel Sargsyan	Poster
447	Energy efficiency of functioning of water reservoir wells and collecting conduit	Konstantin Chizhik	Poster
457	Clean Water of Russia: Problems and Solutions	Oleg Primin	Poster
465	Analysis of various definitions for Smart City concept	Oleg Mkrtychev	Poster
473	Investigation of heat losses through ground supported floors of historical buildings	Vera Murgul	Poster
475	Forecasting technology as a method of modeling and building Smart City concept	Natalya Saprykina	Poster
480	Wastewater sludge disposal in the claydite construction product	Victor Bazhenov	Poster
482	The coastal territory of the Yauza River as an urban recreational carcass	Kirill Tesler	Poster