

**WORKSHOP 2 “MODERN BUILDING MATERIALS”****SECTION: CONCRETES****April 25 15:00-18:45**

#	TITLE	SPEAKER	PRESENTATION
29	Modeling of deformation-strength characteristics of polymer concrete using fractional calculus	Sergey Erokhin	Oral
58	Effect of fly ash on frost resistance of SCC	Anton Bakhrakh	Oral
400	Self-compacting fine-grained concrete for the prefabricated reinforced concrete frame joints filling	Sergey Anisimov	Oral
74	Porous fillers for light concrete from technogenic raw materials	Askhat Rakhimov	Oral
143	Model of heterogeneous reinforced fiber foam concrete in bending	Alexey Beskopylny	Oral
199	Self-compacting lightweight aggregate concrete in Vietnam	Ngoc Minh Nguyen	Oral
320	Properties control in autoclave aerated concrete by choosing of pore forming Al-agent	Katerina Fomina	Oral
157	Stone-concrete – material for rockfill dam face zone	Dimitri Gadai	Oral
134	Some aspects of using the crushed concrete under extreme conditions of the Russian Arctic	Nikita Dmitriev	Oral
198	Water movement in Internally Cured Concrete	Hieu Nguyen Duy	Oral
436	Ultrasonic examination of concrete with one side access in practice	Krzysztof Schabowicz	Oral
434	Effect of fine sand of Hong river on properties of fresh and hardened concrete	Duc Hoang Minh	Oral
282	Mechanical properties of hardened concrete in hot and dry climate	Polina Reshetneva	Oral

**SECTION: BINDERS, ADMIXTURES, MORTARS, ASPHALTS AND OTHER MATERIALS****April 26 9:00-13:15**

#	TITLE	SPEAKER	PRESENTATION
416	Monitoring the effect of external conditions on the properties of building materials	Robert Černý	Oral
54	Study of mineral additives for cement materials for 3D-printing in construction	Aleksandr Inozemtcev	Oral
233	Alternative approach to the organization of hardening of dolomite binding materials	Nikolay Lyubomirsky	Oral
294	Application of ash and slag wastes in the production of building materials	Mariya Makarova	Oral
375	Study of compressive strength evolution in soil cement samples with fly-ash admixtures	Izabela Karpisz	Oral
471	Optimization of Structural Parameters of Cement Composites with High Wear Resistance	Natalya Makarova	Oral
442	Lime plasters modified by biomass fly ash	Jan Fořt	Oral
423	Limestone filler as one of the cheapest and best additive to concrete	Paulos Kuliaev	Oral
433	Influence of Different Interface Properties on the Interlayer Bond Shear Stiffness	Borislav Hristov	Oral
466	Applying of energy-efficient asphalt concrete for road pavements	Andrey Akimov	Oral
355	Decorative light transmitting concrete based on crushed concrete fines	Anna Kryukova	Oral
306	Composite material based on recycled concrete	Evgeniy Pyataev	Oral

**SECTION: THERMAL INSULATION, POLYMER COMPOSITES AND OTHER MATERIALS****April 26 14:30-18:00**

#	TITLE	SPEAKER	PRESENTATION
61	Effect of alumina-silica microsphere additives on properties of ceramic wall products	Natalya Komorova	Oral
67	Lifecycle assessment of vacuum heat-insulation	Petr Zhuk	Oral
109	Construction compositions based on integrated binding of thermoplastic waste	Natalya Fomina	Oral
129	Carbon fiber reinforced plastic technology	Alla Sokolova	Oral
87	Thermal insulation systems for the Arctic	Ervand Zarmanyanyan	Oral
315	Carbonate-containing precipitate of sugar production from sugar beet as filler for polymer concrete	Zhanna Sapronova	Oral
421	Technical aspects of using composite materials for strengthening constructions	Ekaterina Kuzina	Oral
111	Influence of total head of foam on optimum intensity and minimum particular expense solution size of foamer	Aleksandra Suhova	Oral
241	Influence of modifiers on coked foam structure and properties formed with thermal decomposition of wood	Fedor Portnov	Oral
462	The usage of iron-containing sludge wastes in ceramic bricks production	Alexander Fomin	Oral
358	Selection of base rock for roofing granules production	Alexey Almatov	Oral

**POSTERS SESSION**

#	TITLE	SPEAKER	PRESENTATION
15	Effect of ultrasound on sedimentation of suspended solids in water	Vera Vikulina	Poster
16	Registration of the cavitation regime in liquids under the action of ultrasonic vibrations	Pavel Vikulin	Poster
21	Increase in frost resistance of a ceramic brick from clay raw materials of the Atyukhtinsky field	Aleksey Naumov	Poster
36	Modern Russian high-tech construction materials and their application in domestic construction industry (on example of metal-ceramic panels «Hardwall»)	Alan Khubaev	Poster
37	Creep of concrete caused by freeze and thaw cycle	Anatoliy Goncharov	Poster
43	Effect of rice husk ash on hydrotechnical concrete behavior	Lam Tang Van	Poster
46	Development of aggregationally and sedimentationally resistant nanosuspension for efficient polymer modified bitumen	Svetlana Shekhovtsova	Poster
69	Vacuum glazed units – energy efficient glazing	Pavel Stratiy	Poster
94	The selecting of building insulation material by the analytic hierarchy process	Irina Romanova	Poster
99	Consideration of the characteristics of the concrete mix when choosing concrete pump	Vladimir Naumov	Poster
131	Modification of PVC-compositions for Linoleum	Alla Sokolova	Poster
171	The use of waterjet cutting wastes in the production of building materials	Timofei Dovydenko	Poster
177	The formalization of cellular structures based on optical holographic studies according to the statistical methods	Vladimir Kulikov	Poster
184	Effective sorbents based on plasma-modified aluminosilicate minerals	Michail Bruyako	Poster
192	Radiation changes in serpentinite concretes of "dry" radiation shield in nuclear power plants	Aleksandr Denisov	Poster
226	Simulation of the ceramic products composition using furnace-waste filler	Eduard Korolev	Poster



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244	Physics and chemistry of creation of fire protection and bio protection by modification of thin surface layers	Elena Pokrovskaya	Poster
248	Study of dry mixes with aluminate cements for self-leveling floors	Maria Kaddo	Poster
258	Energy characteristics of finely dispersed rock systems	Yulia Sokolova	Poster
283	Comparative analysis of strength characteristics of grouting mortars	Marina Panfilova	Poster
284	Risk of pathologies when exposed to fine dust in the construction industry	Anna Sazonova	Poster
317	Aspects of application of industrial aluminosilicate wastes in production of zero-cement construction composites	Natalia Kozhukhova	Poster
333	Effective polystyrene concrete using glass cullet and liquid glass	Aleksey Logunin	Poster
369	Modern methods of studying the phase composition of clay raw material at kiln process	Eduard Korolev	Poster
417	Porous magnesia compositions of a combined structure	Olga Miryuk	Poster
426	Research of Steel to Dielectric Transition Using Subminiature Eddy-Current Transducer	Vladimir Malikov	Poster
443	Gypsum composites reinforcement	Victoria Petropavlovskaya	Poster
444	Increase in efficiency of formation structure process of the modified gypsum by carbonation	Victoria Petropavlovskaya	Poster
446	Thermal insulation composite with the use of mining waste	Tatiana Drozdyuk	Poster
455	Comparative analysis of selected non-destructive methods for concrete diagnosis	Krzysztof Schabowicz	Poster
459	Dispersed-filled composites with a structured nanomatrix	Denis Gerasimov	Poster
460	Hongurin as hydraulic additive to magnesian-binding substance	Liya Zhirkova	Poster
476	Polymeric nanocomposites: account for the effect of size distribution of nanoparticles	Andrey Matseevich	Poster
481	Use of Silverbond quartz flour in the design of self-compacting concrete mixtures	Aurika Elenova	Poster