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A N N O T A T I O N S

MosBuild-2011. Summing up: investments into growth.

The article concerns the results of MosBuild expo. That show being the largest in Russia has once again confirmed the status. The main event of a building season has collected a record audience in 104648 visitors on two exhibition platforms a total area in 160000 sq. m. Especially pleases that fact that 90,7% of visitors were experts of the companies of building branch (p. 8).

Future of building: ecology and power efficiency.

The article is told about the International scientific and technical conference «Industrial and civil building in modern conditions» which has taken place within the precincts of the Moscow state building university on the threshold of sign anniversary – in October of this year university will celebrate the 90 years' history. Within the frames of this scientific forum numerous round tables in various sections, such as «Safety of objects of building, reconstruction and major repairs», «New power saving up technologies and materials», «Pressing questions of designing, calculation and monitoring of building designs», «Ferro-concrete and stone designs», «Designs from plastic and wood» have been spent (p. 9).

Ustyugov V.A., Korovyakov V.F. State unitary enterprise of a city of Moscow «NIIMosstroy» has 55 years history.

The article is devoted the activity of Scientific research institute «NIIMosstroy» which celebrates the 55-years-old anniversary (p. 10).

Telichenko V.I., Roytman V.M. Development of a science about complex safety of building.

In the article it is noticed that deepening and expansion of knowledge, development of new scientific directions lead to that problems of safety of objects of building throughout all life cycle of their existence began to have strongly pronounced complex character. It has led to development of the general theory of safety of building which can be positioned as scientific bases of complex safety of building (p. 13).

Platov N.A., Shubina E.V., Potapov A.D., Lavrova N.M. Standard base – a basis of the decision of problems of wildlife management.

In the article the wildlife management questions in economic development of the country at the present stage are considered (p. 16).

MATERIALS

The MOSMEK company is the leader of manufacture of aluminum profiles (p. 20).

Bondarev M.P., Pisarev V.V., Bondarev P.M. Specific features of housing construction in Russia and new wall materials.

In the article the features of architecture and the materials applied in Russia at building of private houses are analyzed, considered new wall materials (p. 22).

EQUIPMENT

Sapozhnikov A.I., Grigorchuk S.M. Research of work of beams on the elastic basis with use of CAE-systems.

In the article influence of shift deformations at calculation of beams on the elastic basis with use of CAE-systems is investigated. The simplified design procedure of system «a beam –

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A N N O T A T I O N S

the basis» is offered, allowing with a split-hair accuracy to check results of calculation of the models, carried out in spatial statement, with use of modern program complexes (p. 26).
Khmara L.A., Shatov S.V. Scientific of a basis of a substantiation of organizational-technological decisions of dismantling of blockages of the destroyed buildings.
The article is devoted to a scientific substantiation of organizational-technological decisions of dismantling of blockages of buildings and constructions depending on structure of blockages – the sizes and weight of fragments (p. 31).

TECHNOLOGIES

Komokhov P.G., Komokhov A.P. Nanostructure and resource of durability of protective cement concrete after long γ-irradiations. Part 2.

The concept of designing of structure of long γ -irradiations protective concrete for a burial place of a firm and liquid radioactive waste with high duration of the guaranteed safety on the basis of usual cement and slag and alkaline knitting is put forward and scientifically-experimentally confirmed (p. 34).

Rudenskiy A. V. Possibilities of economy of power resources at building and repair of highways.

In the article is given the analysis of structure of power inputs on building road of asphalt and concrete made coverings. It is noticed that power consumption reduction at building and repair of highways should be reached at the expense of use of the most effective technologies and constructive decisions (p. 37).

Bikbau M.Ya. New complex technologies of building of habitation. Part 5.

The edition continues to publish the article in which the comparative analysis of application of new technologies of the architecturally-frame decision is given at erection of many-storeyed buildings (p. 40).

Ustyanov V.B., Ivaschenko V.V. Possibilities of the combined «know-how» of ceramics manufacture.

The article observes the new manufacturing techniques of products with new structure which allows to create high-quality ceramic products by means of cheap, widespread clay raw materials. They can be offered for introduction: a brick, a ceramic tile, clinker, fire-resistant, insulation, sound-proof and other materials (p. 44).

PMR: 55 bln. euro – in the Polish power engineering till 2025.

The investment projects planned by the basic power enterprises of Poland are directed on development of power stations by total capacity 30 Gwt. However only half of projects has chances to be realized. That's the article is about (p. 47).

INFORMATION

Kopylov I.A. CNTI «Composite XXI century» was the participant of the business program of an exhibition «Wooden housing construction-2011»
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CNTI in cooperation with MVK company has organized at «Crocus Expo» a seminar on a theme: «Low and cottage building with application of modern building and finishing materials.

A labour safety and the safety precautions at work» (p. 50).

Patents for inventions (p. 52).