Contents

	2	014 Rullotin
Contents		
		(45) of Civil Engineers
ADGUSTESTUDE LUDDAN DU ANNUNC DEGICAL		ugust Engineers
ARCHITECTURE, URBAN PLANNING, DESIGN	Th	ientific-technical journal be Founder — the Federal State Budgetary
A. S. Eremina. Development of linear sports facilities` typology	5 Ed	lucational Institution of Higher Vocational lucation "Saint-Petersburg State University
Yu. I. Kurbatov. Modern form in the historical environment	of	Architecture and Civil Engineering" (SPSUACE)
of Saint-Petersburg (to the problem of modern contextual		e Editor-in-Chief . I. Rybnov, Dr. Sci. Ec., Professor, Honorary
architecture)	W	orker of Higher School of the Russian Federation
S. V. Sementsov. Development of regular St. Petersburg		PSUACE)
agglomeration after Peter the Great and the problems of its preservation as an Object of the World Heritage	16 Yu	sistants to the Editor-in-Chief a. P. Panibratov, Dr. Sci. Ec., Professor,
V. M. Supranovich. Refunctionalization prospects of	***	inner of the State Award of the Russian Federation d the Award of the Government
shipbuilding facilities (on the example of Saint-Petersburg	of	the Russian Federation, Honorary Worker
Admiralty Shipyards)	25 of	Sciences of the Russian Federation, Academician RAACS (SPSUACE)
BUILDING DESIGNS	Ye	. B. Smirnov, Dr. Sci. Ec., Professor, Honorary
		orker of Higher School of the Russian Federation PSUACE)
G. I. Belyy. Some methods of calculating rod elements	-	I. Morozov, Dr. Sci. Tech., Professor, Winner
of constructions from thin-walled cold-bent profiles	32 Fe	the Award of the Government of the Russian deration (The Senior Editor) (SPSUACE)
E. V. Danilov. Investigation of long-term LVL strength		litorial council
in compression by a cylindric stamp	38 A. (L	A. Akaev, Dr., Prof., Foreign Member of the RAS omonosov Moscow State University, Russia)
P. A. Petukhov, V. V. Gurianova. Main directions and tasks	L.	Ungvari, Dr. Sci., Professor, (Technical University
of improving prefabricated road constructions	N.	Applied Sciences Wildau, Germany) V. Kazhar, Dr. Arch., Professor (Częstochowa
A. B. Schmidt, V. S. Soroka, S. S. Leonov, S. V. Kornev. Scale		niversity of Technology, Poland) Kipiani, Dr. Sci. Tech., Professor (Georgian Technical
factor effect on the bending strength of LVL	Uı	niversity, Georgia)
STRUCTURAL MECHANICS AND CALCULATION	H. (N	V. Tokmajyan, Dr. Sci. Tech., Professor, Rector YSUAC ational University of Architecture and Construction
OF STRUCTURES	of	Armenia)
H. H. Nguyen. Effect of using elastic-plastic inserts	Uı	Eberhardsteyner, Dr. Sci. Tech., Professor (Vienna niversity of Technology, Austria)
onto the performance of flat folded shells at seismic loads	53 S.	N. Leonovich, Dr. Sci. Tech., Professor (Belarusian
I. O. Razov. Parametrical vibration and dynamic stability	Y.	ttional Technical University, Belarus) Iwasaki, Dr. Sci. Tech. (Geo-Research Institute, Japan)
of large diameter oil-pipelines at elastic foundation based	Int	Tanaka, Dr. Sci. Tech., Professor (University of Tokyo, ban)
on the ground level	58 H.	I. Ling, Professor (Columbia University, USA)
GEOENGINEERING	A. (L	Zh. Zhusupbekov, Dr. Sci. Tech., Professor N. Gumilyov Eurasian National University, Astana,
R. A. Mangushev. Development of the information retrieval		zakhstan)
system of assessing the bearing capacity of piles		litorial Board V. Yesaulov, Dr. Arch., Professor, Academician
on the database of field static tests	63 of	RAACS
O. P. Minaev. Heavy backfill rammers of the new generation		. <i>V. Zaytsev</i> , Dr. Sci. Tech., Professor, Winner of e Award of the Government of the Russian Federation,
for compacting of water-bearing ground of sub-bases	66 Ex	traordinary and Plenipotentiary Ambassador
V. G. Ofrikhter, N. N. Likhacheva. Improved model	the	V. Karmazinov, Dr. Sci. Tech., Professor, Winner of e Award of the Government of the Russian Federation
of biodegradation of municipal solid waste		UE "Vodokanal of St. Petersburg") <i>I. Karpenko</i> , Dr. Sci. Tech., Professor, Winner
TECHNOLOGY AND ORGANIZATION OF CONSTRUCTION	of	the Award of the Government of the Russian
Yu. V. Vershinina. A new approach to interpretation		deration, Honorary Worker of Sciences of the Russian deration, Academician of RAACS
of the results of repeated high-precision geodetic observations	79 (N	IISF RAACS)
A. D. Salchak. Substantiation of expediency of applying	L.	S. Lyahovich, Dr. Sci. Tech., Professor, Honorary orker of Sciences of the Russian Federation,
landscape folds for burial of solid domestic waste		ademician of RAACS (TSUAB) Sargsyan, Dr. Sci. Tech., Professor
on the territory of the Tuva Republic	87 (N	ational University of Architecture and Construction
SANITARY ENGINEERING AND ECOLOGY		Armenia) <i>I. Travush</i> , Dr. Sci. Tech., Professor, Winner
V. A. Orlov, S. P. Zotkin, K. E. Chrenov, M. A. Neverova.	of	the Award of the Government of the Russian
Estimating the effect of energy saving in trenchless repair	V.	deration, Academician of RAACS (RAACS) S. Fedorov, Dr. Sci. Tech., Professor, Academician
of pressure pipelines	94 of	RAACS (MSURE) <i>V. Fedosov</i> , Dr. Sci. Tech., Professor, Winner
V. A. Pukhkal. Estimation of residential buildings' specific heat	of	the Award of the Government of the Russian
characteristics at energy survey	99 Fe	deration, Honorary Worker of Sciences of the Russian deration, Academician of RAACS (IVGPU)

E. M. Tchernyshov, Dr. Sci. Tech., Professor, Honorary Worker of Sciences of the Russian Federation, Academician of RAACS (VSUACE) M. I. Alekseev, Dr. Sci. Tech., Professor, Winner of the Award of the Government of the Russian Federation, Honorary Worker of Sciences of the Russian Federation, Academician of RAACS A. N. Asaul, Dr. Sci. Ec., Professor, Honorary Builder of the Russian Federation, Honorary Builder of the Russian Federation, Honorary Worker of Sciences of the Russian Federation G. I. Belyy, Dr. Sci. Tech., Professor, Honorary Worker of Sciences of the Russian Federation B. G. Vager, Dr. Sci. PhysMath., Professor, Honorary Worker of Higher School of the Russian Federation V. V. Verstov, Dr. Sci. Tech., Professor, Honorable Builder of Russia A. A. Veselov, Dr. Sci. Tech., Professor T. A. Datsuk, Dr. Sci. Tech., Professor S. A. Evtyukov, Dr. Sci. Tech., Professor, Honorary Worker of Higher School S. P. Zavarikhin, Dr. Arch., Professor, Honorary Architect of the Russian Federation B. N. Karpov, Dr. Sci. Tech., Professor P. A. Kravchenko, Dr. Sci. Tech., Professor P. A. Kravchenko, Dr. Sci. Tech., Professor, Honorary Worker of the Higher School of the Russian Federation L. P. Lavrov, Dr. Arch., Professor, Honorary Architect of the Russian Federation, Correspondent Member of RAACS R. A. Mangushev, Dr. Sci. Tech., Professor, Honorary Worker of Sciences of the Russian Federation, Correspondent Member of RAACS A. M. Maslennikov, Dr. Sci. Tech., Professor, Honorary Worker of Sciences of the Russian Federation S. N. Nikiforov, Dr. Sci. Tech., Professor Yu. V. Puharenko, Dr. Sci. Tech., Professor S. V. Sementsov, Dr. Arch., Professor S. V. Sementsov, Dr. Arch., Professor A. G. Chernykh, Dr. Sci. Tech., Professor	AUTOMOBILE TRANSPORT, TRANSPORT-TECHNOLOGICAI CONSTRUCTION AND COMPLEXES R. N. Safiyllin. Theoretic complex optimization basics of the main values and parameters of ICE (internal combustion engine) of AMV (automatic motor vehicles) at applying various quality fuels
Editor T. V. Ananchenko, V. I. Gritsuk Translator T. V. Lappo Proof-reader M. P. Popova Computer imposition V. I. Zholobov The address of the Founder and the Editorial Office: 2nd Krasnoarmeiskaia St. 4 190005, StPetersburg, Russia Ph./ Fax: (812) 575-16-74, (812) 316-53-11 E-mail: vestnikspb@mail.ru The contents and abstracts of articles are presented on the site: http://vestnik.spbgasu.ru The journal is registered by Federal Agency of Supervision of Legislation Observance in the sphere of mass communications and protection of cultural heritage of the Russian Federation. The certificate on registration of mass media III N & ФС77-18997 is dated 29.11.2004. The Journal is included by the HAK of the Russian Federation into the List of leading reviewed scientific magazines and editions in which the basic scientific results of dissertations on competition of scientific degree of Doctor of Sciences are to be published Requirements on representation of materials are presented at the end of journal. Manuscripts not corresponding to subject range of the journal and not meeting the specified requirements are not accepted; articles rejected by the editor are not returned to the author Authors of the published works receive one copy of journal at the personal reference in editorial office In case of reprints the reference to the "Bulletin of Civil Engineers" is obligatory On the cover one can see the monument to the Emperor Nicholas I whose name was appropriated to the Institute of Civil Engineers (nowadays SPSUACE) on December, 17th, 1892	Subscription rules