

International Scientific Conference Environmental Science for Construction Industry (ESCI 2018)

MATEC Web of Conferences Volume 193 (2018)

Ho Chi Minh City, Vietnam
2-5 March 2018

Part 1 of 3

Editors:

A. Mottaeva

B. Melovic

ISBN: 978-1-5108-6881-6

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

This work is licensed under a Creative Commons Attribution license:
<http://creativecommons.org/licenses/by/2.0/>

You are free to:

Share – copy and redistribute the material in any medium or format.

Adapt – remix, transform, and build upon the material for any purpose, even commercial.

The licensor cannot revoke these freedoms as long as you follow the license terms.

Under the following terms:

You must give appropriate credit, provide a link to the license, and indicate if changes were made.

You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use. The copyright is retained by the corresponding authors.

Printed by Curran Associates, Inc. (2018)

For additional information, please contact EDP Sciences – Web of Conferences
at the address below.

EDP Sciences – Web of Conferences
17, Avenue du Hoggar
Parc d'Activité de Courtabœuf
BP 112
F-91944 Les Ulis Cedex A
France

Phone: +33 (0) 1 69 18 75 75

Fax: +33 (0) 1 69 28 84 91

contact-edps@webofconferences.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

PART 1

TOWARDS ECO-SOCIAL HOUSING IN VIETNAM: CHALLENGES AND OPPORTUNITIES	1
<i>Le Van Thuong, Tran Tuan, Truong Truc</i>	
MICRO-CULTURE AND MACRO-CULTURE IN URBAN HOUSING ARCHITECTURE	17
<i>Dung Le Van</i>	
INFRASTRUCTURE SYSTEM PLANNING FOR AFFORDABLE HOUSING FOR WORKERS IN HANOI, VIETNAM	39
<i>Dang Hoang Quyen</i>	
GIS APPLICATIONS IN URBAN MANAGEMENT	49
<i>Nguyen Anh Tai, Dao Huu Si</i>	
SUBSTANTIATION OF ORGANIZATIONAL AND TECHNOLOGICAL SOLUTIONS FOR CONSTRUCTION WITHIN THE “CAR-FREE CITY” CONCEPT	59
<i>Beliakov Sergei</i>	
ECOLOGICAL ASPECTS OF SERVICING TRANSPORT INFRASTRUCTURE IN MEGACITIES	65
<i>Stupnikova Elena</i>	
SOCIAL-ECOLOGICAL PRIORITIES OF TOWN-PLANNING ACTIVITIES ON THE URBANIZED TERRITORIES	70
<i>Buzyrev Vyacheslav, Nuzhina Irina, Zolotareva Maria</i>	
THE “MAN-TECHNOLOGY-ENVIRONMENT” SYSTEM IN THE MANAGEMENT OF TRANSPORT SERVICE OF CONSTRUCTION INDUSTRY	80
<i>Kazarian Ruben</i>	
ASPECTS OF ECONOMIC FEASIBILITY FOR THE TRANSPORT INTEGRATED USE IN FAVOR OF ENVIRONMENTAL SECURITY	87
<i>Kazaryan Ruben</i>	
ESTIMATION OF ECOLOGICAL STATE OF NATIONAL PARKS IN MEGALOPOLISES (BY THE EXAMPLE OF LOSINY OSTROV PARK, MOSCOW, RUSSIA)	93
<i>Evgrafova Irina, Evgrafo A.</i>	
MODEL DEVELOPMENT OF EXPERT ESTIMATION OF QUALITY OF TRANSPORT INTERCHANGE FUNCTIONING	98
<i>Panteleeva Margarita, Borozdina Svetlana</i>	
CONCEPTUAL FRAMEWORK FOR SUSTAINABLE DEVELOPMENT OF RURAL AREAS: ENVIRONMENTAL ISSUES	104
<i>Sheina Svetlana, Fedorovskaya Albina</i>	
PLANNING OF PRODUCTION TERRITORIES FOR PRESERVATION AND IMPROVEMENT OF THE ECOLOGICAL SITUATION IN THE CITIES	113
<i>Narezhnaya Tamara, Zvonov Ilya</i>	
FORMATION OF CLASSES OF URBAN ENVIRONMENT AREAS FOR THEIR RENOVATION	123
<i>Matreninskiy Sergei, Mischenko Valeriy, Chertov V.</i>	
DESIGN FOR DESIGN - DESIGN BY COMMUNITY	133
<i>Nguyen Thi Hanh Nguyen</i>	
THU THIEM NEW URBAN CENTER MASTER PLAN: URBAN DESIGN IN THE DIRECTION OF ADAPTING TO THE NATURAL AND CULTURAL ENVIRONMENT	145
<i>Pham Phu Cuong, Nguyen Thi Ngoc Lan, Phan Huu Toan, Nguyen Song Hoan Nguyen</i>	
DESIGN OF THE LANDSCAPE DIVERSITY OF COMMERCIAL STREETS IN THE OLD DOWNTOWN OF HO CHI MINH CITY	154
<i>Nguyen Thi Bich Ngoc, Ly The Dan</i>	
DECISIONS ON SOCIALIZATION BY URBAN LAND POOLING APPROACH TO RENOVATION OF LANDSCAPES OF HO CHI MINH CITY EMBANKMENTS	167
<i>Nguyen Hoang Minh Vu, Pham A. Tuan, Nguyen L. D. Luan, Diep V. Thanh</i>	
DEVELOPMENT OF SMALL RUSSIAN TOWNS IN THE 19TH-21ST CENTURIES: SOCIOECONOMIC FACTORS	174
<i>Pryadko Igor</i>	
URBAN ENVIRONMENT FACTORS IN ADVERTISING POSTER IN HO CHI MINH CITY	182
<i>Nguyen Thi Viet Ha</i>	
THE MAIN FACTORS AFFECTING THE CHARACTER OF HOUSING CONSTRUCTION IN IRAN	202
<i>Kazarnovskiy Valeriy, Kazem Hadavi Mohammad</i>	
IMPROVEMENT OF TRANSPORT FOR THE “HEALTHY CITIES” PLANNING	208
<i>Mottaeva Angela</i>	
FROM UNDERSTANDING OF NATIONAL DESIGN CHARACTERS AND SUGGESTION OF THE IMPROVEMENT OF VIETNAMESE URBAN OUTDOOR FURNITURE TOWARD A SUSTAINABLE CULTURAL ENVIRONMENT	217
<i>Ngo Thi Thu Trang</i>	
CITY TRANSPORT AS A FACTOR OF AVAILABILITY AND DISTRIBUTION OF ACTIVITY CENTRES	239
<i>Gorovoy Alexander, Merzlikin Igor, Kondratyeva Tatyana</i>	

ECO-CITY OR “STEADY CITY” AS THE WAY OF IMPROVEMENT OF LIVING CONDITIONS FOR URBAN POPULATION	245
<i>Vasilyeva Elena</i>	
REVITALIZING IDENTITY FOR COASTAL PUBLIC SPACE IN NHA TRANG CITY	253
<i>Tran Thi Viet Ha, Le Thi Bich Ngoc</i>	
URBAN PLANNING OF THE RESORT INFRASTRUCTURE IN MODERN CONDITIONS	263
<i>Baranova Alla, Kegeyan Svetlana</i>	
RISK-ORIENTED APPROACH TO ENSURING ENVIRONMENTAL SAFETY OF THE DEVASTATED TERRITORIES FOR URBAN DEVELOPMENT	269
<i>Voskresenskaya Elena, Vorona-Slivinskaya Lybov, Ponomareva Tatyana</i>	
PARTICIPATION OF CITIZENS IN SUSTAINABLE DEVELOPMENT OF BIG CITIES	275
<i>Kalyazina Sofia, Borremans Aleksandra, Dubgorn Alissa</i>	
IMPLEMENTING AN ENERGY HARVESTING TECHNOLOGY WITHIN THE CONCEPT OF SMART CITY	281
<i>Kalyazina Sofia, Lepekhin Aleksandr</i>	
CONCEPTUAL APPROACH TO THE ASSESSMENT OF ECONOMIC SECURITY OF ECONOMIC ENTITIES ON THE EXAMPLE OF TRANSPORT ENTERPRISES	287
<i>Karanina Elena, Ryazanova Olesya, Gritsuk Natalia</i>	
ARCHITECTURAL AND ECOLOGICAL INTEGRATION OF POSTINDUSTRIAL LANDSCAPES REVITALIZATION INTO SOCIALLY ORIENTED SPACE OF THE EMBANKMENT	295
<i>Ivanova Nina, Ganzha Olga, Prokopenko Vyacheslav, Artyukhina Alexandra</i>	
ECOLOGICAL PROBLEM OF MODERNITY AS A GLOBAL PROBLEM OF HUMANITY	304
<i>Kovalenko Kseniya, Kovalenko Nataliya</i>	
REGULATION OF AIR EXCHANGE IN URBAN AREAS TO IMPROVE THEIR ENVIRONMENT	311
<i>Giyasov Botir, Giyasova Irina</i>	
MANAGEMENT SYSTEM FOR THE DEVELOPMENT OF INDUSTRIAL PARKS TO INCREASE THE COMPETITIVENESS OF RESIDENT ENTERPRISES	318
<i>Krivorotov Vadim, Tikhonov Evgeniy, Tarasenko Aleksandr, Chepur Petr, Gruchenkova Alesya</i>	
SYSTEM OF INDUSTRIAL PARK FUNCTIONING INDICATORS REFLECTING THE EFFECT OF COMPETITIVENESS FACTORS OF RESIDENT ENTERPRISES	324
<i>Chepur Petr, Tarasenko Aleksandr, Tikhonov Evgeniy, Krivorotov Vadim, Gruchenkova Alesya</i>	
ANALYSIS OF MODERN APPROACHES TO THE ORGANIZATION OF PARKING AREAS IN MAJOR CITIES	331
<i>Manukhina Lyubov</i>	
DEVELOPMENT OF URBAN TRANSPORT INFRASTRUCTURE WITH THE USE OF MECHANIZED MULTI-LEVEL PARKING SYSTEMS	337
<i>Manukhina Olga</i>	
IMPROVING THE MANAGEMENT OF SUSTAINABLE DEVELOPMENT OF MUNICIPALITIES IN THE KALININGRAD REGION	344
<i>Gorokhov Andrey, Ignatyev Alexey, Smirnov Vitaly, Yazev Grigory</i>	
AUTOMATION WITH RENEWABLE ENERGY TO OPTIMIZE THE EXPLOITATION OF WATER SUPPLY NETWORKS IN NINH THUAN PROVINCE	352
<i>Vo Anh Tuan, Mai Lien Huong, Nguyen Huynh Thuy Ngan</i>	
PROPOSED PROBABILISTIC MODELS OF PIPE FAILURE IN WATER DISTRIBUTION SYSTEM	363
<i>Pham Thi Minh Lanh, Pham Hai Ha, Do Nguyen Anh Thu, Le Dinh Hong</i>	
CHANGE OF EXPANSION CHARACTERISTICS OF COMPACTED SOILS USED FOR DAMS IN CENTRAL VIETNAM	373
<i>Truong Quang Thanh, Le Phan Ta, Nguyen Thi Nhu Quynh</i>	
STUDY OF THE SOLUTION FOR DISINFECTION BY SUPPLYING RESIDUAL CHLORINE IN THE DISTRIBUTION NETWORKS OF DRINKING WATER	386
<i>Phan Dinh Xuan Vinh, Vo Anh Tuan, Nguyen Huynh Thuy Ngan, Ho Thi My Hanh</i>	
CRUSHED CONCRETE AS CONCRETE AGGREGATE IN THE MANUFACTURE OF REINFORCED CONCRETE STRUCTURES	398
<i>Fachratov Myhammet</i>	
SOLUTION OF ENVIRONMENTAL PROBLEMS IN HUMAN SETTLEMENTS CAUSED BY NEGATIVE EFFECT OF SDW LANDFILLS	403
<i>Stupnikova Yelena, Popova Ksenia</i>	
ECOLOGICALLY SAFE COMPOSITE BUILDING MATERIALS BASED ON CELLULOSE-CONTAINING SOLID HOUSEHOLD WASTE	409
<i>Bruyako Mikhail, Grigoryeva Larisa</i>	
GROUNDWATER POLLUTION BY LONGSTANDING CEMETERY AND SOLUTIONS FOR URBAN CEMETERY PLANNING IN HO CHI MINH CITY – FROM REALITY TO SOLUTIONS	416
<i>Nguyen Trang, Nguyen Luan</i>	
THE USE OF A SAFETY CONSTRUCTION FOR EXPLOSION RELIEF VENTING	427
<i>Gorev Vyacheslav</i>	
ENGINEERING SOLUTIONS IN THE CONSTRUCTION OF PRODUCTION FACILITIES FOR WASTE PROCESSING	432
<i>Kirillova Ariadna, Zotov Vladimir, Musinova Nina</i>	
RISK OF THE LOESS PSEUDO-KARST DEVELOPMENT DURING CONSTRUCTION AND ITS LINK WITH NATURAL AND TECHNOGENIC PROCESSES	437
<i>Lavrusevich Andrey</i>	

STUDY ON CREATION OF WATER SOURCES SUPPLYING THE INNER RIVER SYSTEM IN HANOI CITY WITH CONTINUOUS FLOW FOR CLEANING THE AQUATIC ENVIRONMENT	445
<i>Nguyen Hue Huu, Nguyen Thanh Huu</i>	
GEOLOGICAL ASPECTS OF THE SUFFUSION PROCESSES DEVELOPMENT WITHIN THE CITY AGGLOMERATIONS	455
<i>Lavrusevich Andrey, Lavrusevich Ivan</i>	
PROCESSING OF SOLID WASTE FOR THE IMPROVEMENT OF THE URBAN ENVIRONMENT	463
<i>Zotov Vladimir, Butyrin Andrey</i>	
ACTIVATED SLUDGE BIOCENOSIS REGULATION FOR INTENSIFYING AERATING CONSTRUCTIONS	469
<i>Dzhumagulova Nazira, Gavrilov Ivan, Nguyen Dinh Dap</i>	
ASSESSMENT OF SOIL AND GROUND CHEMICAL AND RADIATION POLLUTION ON THE GOLD-SILVER DEPOSIT “KLYON” TERRITORY (CHUKOTKA AUTONOMOUS REGION, RUSSIA)	478
<i>Vinogradov Alexey, Bryukhan Fedor, Kuchmin Alexey</i>	
TECHNOGENIC ELECTROMAGNETIC IMPACT ZONES OF ELECTRIC GRID FACILITIES	485
<i>Bryukhan Fedor, Amirkhanyan Mariya</i>	
ENGINEERING AND HYDROMETEOROLOGICAL SURVEYS ON UNDEREXPLORED ARCTIC TERRITORIES (THROUGH THE EXAMPLE OF THE “KLYON” DEPOSIT, RUSSIA)	490
<i>Bryukhan Fedor, Vinogradov Alexey, Kuchmin Alexey</i>	
PROBLEMS OF WATER SUPPLY OF THE POPULATION AND APPLICATION OF THE METHOD OF ELECTROLYSIS-STRUCTURAL ACTIVATION FOR PARTIAL SOLUTION	496
<i>Prikhodko Ludmila, Bryukhanova Galina, Beljakova Ekaterina</i>	
FIRE RETARDANT DEVICE FOR PIPELINE AND CABLE DUCT	504
<i>Gravit Marina, Denisenko Valeria, Borisova Anzhelika</i>	
TYOLOGICAL FEATURES OF WATER STRUCTURES OF THE RAILWAY IN WEST SIBERIAN URBAN TERRITORIES	510
<i>Ketova Eugenia, Nizhegorodskaya Juliya</i>	
DEVELOPMENT OF ENVIRONMENTALLY SAFE PHARMACEUTICAL TREATMENT TECHNOLOGY OF URBAN TERRITORIES WASTEWATER	518
<i>Krasnova Tamara, Gora Natalia, Golubeva Nadezhda</i>	
ENVIRONMENTAL PROTECTION IN THE INTEGRATED MECHANIZATION OF TECHNOLOGICAL PROCESSES OF HIGH-RISE CONSTRUCTION	526
<i>Kazaryan Ruben R., Khvan Vitaly</i>	
STRUCTURE OF LAMINAR FLOWS WITH OPPOSITELY-ROTATING COAXIAL LAYERS	531
<i>Zuikov Andrey, Orekhov Genrikh, Suehtina Tatiana</i>	
LEGAL REGULATION OF ENVIRONMENTAL PROTECTION, MANAGEMENT OF NATURAL RESOURCES, AND ENVIRONMENTAL SAFETY IN CONSTRUCTION SECTOR	545
<i>Voskresenskaya Elena, Vorona-Slivinskaya Lybov, Panov Sergey</i>	
ANALYTICAL ANALYSIS OF THE STRESS-STRAIN STATE OF THE SYSTEM “MECHANIZED EQUIPMENT COMPLEX - SUPPORT – ROCK MASS” IN THE BOTTOMHOLE AREA OF THE SHAFT	552
<i>Pankratenko Alexander, Pleshko Mikhail, Isaev Alexander</i>	
FREE OSCILLATIONS OF THIN-WALLED BIMETALLIC PIPELINES OF LARGE DIAMETER ON AN ELASTIC FOUNDATION	559
<i>Sokolov Vladimir, Razov Igor, Koynov Evgeniy</i>	
COMPUTER MODELS OF HYDRAULIC SYSTEMS OF DISTRICT HEATING	567
<i>Eremín Anton, Trubitsyn Konstantin, Kolesnikov Sergey, Kudinov Igor, Tkachev Vitaly</i>	
THE PROSPECTS FOR THE USE OF DIGITAL TECHNOLOGY “BLOCKCHAIN” IN THE PHARMACEUTICAL MARKET	576
<i>Plotnikov Vladimir, Kuznetsova Valentina</i>	
THE PROBLEM OF WASTE IN THE RUSSIAN FEDERATION	582
<i>Kovalenko Kseniya, Kovalenko Nataliya</i>	
SHEAR STRESSES IN RECTANGULAR PANELS OF SHIP STRUCTURES IN THE CALCULATIONS ACCORDING TO REISSNER THEORY	588
<i>Sukhoterin Mikhail, Baryshnikov Sergey, Rasputina Elena, Pizhurina Natalia</i>	
NEW CLASSIFICATION OF FOAMING AGENTS FOR FIRE EXTINGUISHING	599
<i>Degaev Evgeniy</i>	
INVESTIGATION OF THE FREQUENCIES OF FREE OSCILLATIONS OF THE ABOVE-GROUND MAIN PIPELINES DEPENDING ON THE TYPE OF FASTENING	606
<i>Sokolov Vladimir, Razov Igor, Koinov Evgeniy, Korkishko Alexander</i>	
THE REGULARITIES OF RESISTANCE AND FLOW IN PIPES AND WIDE CHANNELS	616
<i>Bryansky Ilya, Bryanskaya Yuliya, Ostyakova Aleksandra</i>	
ESTIMATING SOME HYDROPHYSICAL PROPERTIES OF SOIL USING MATHEMATICAL MODELING	624
<i>Terleev Vitaly, Mirschel Wilfried, Nikonorov Aleksandr, Ginevsky Roman, Lazarev Viktor, Togo Issa, Topaj Alex, Moiseev Kirill, Shishov Dmitry, Melnichuk Aleksandr, Dunaieva Ielizaveta</i>	
FIVE MODELS OF HYSTERETIC WATER-RETENTION CAPACITY AND THEIR COMPARISON FOR SANDY SOIL	634
<i>Terleev Vitaly, Mirschel Wilfried, Nikonorov Aleksandr, Ginevsky Roman, Lazarev Viktor, Topaj Alex, Moiseev Kirill, Layshev Kasim, Arkhipov Mikhail, Melnichuk Aleksandr, Dunaieva Ielizaveta, Popovych Valentina</i>	
OPTIMIZATION OF THE SOLID WASTE MANAGEMENT SYSTEM IN SAINT-PETERSBURG BASED ON THE MORPHOLOGICAL COMPOSITION STUDY	643
<i>Chusov Alexander, Neguliaeva Ekaterina, Romanov Mikhail</i>	

DEVELOPMENT OF A MODEL FOR THE MANAGEMENT OF ENVIRONMENTAL SAFETY OF THE REGION, TAKING INTO ACCOUNT OF THE GIS CAPACITY	651
<i>Burlov Viacheslav, Andreev Andrey, Gomazov Fedor</i>	
SUSTAINED MUNICIPAL WASTE MANAGEMENT MODELS IN RUSSIAN MEGAPOLICIES THROUGH UTILIZING WASTE-TO-ENERGY TECHNOLOGIES	659
<i>Asadpoori Arsalan, Ankomah Candido, Asadpoori Ardalan, Derevianko Oleg, Shaburov Evgenii</i>	
EFFECTIVE TECHNOLOGY FOR STRENGTHENING NATURAL SLOPES AND ARTIFICIAL STRUCTURES	668
<i>Oleinik Pavel, Kuzmina Tatyana, Kuzmin Konstantin</i>	

PART 2

ENVIRONMENTAL STANDARDIZATION OF RESIDENTIAL REAL ESTATE ACCORDING TO “GREEN STANDARDS”	674
<i>Sirazetdinov Rustem, Mavliutova Alina, Zagidullina Gulsina</i>	
MODELING OPTIMAL SOLUTIONS WITH THE USE OF HEAT TECHNOLOGIES BASED ON GRAPH THEORY	690
<i>Trukhina Natalya, Okolelova Ella</i>	
THE EFFICIENCY OF USE OF ENERGY SAVING TECHNOLOGIES IN CONSTRUCTION	699
<i>Trukhina Natalya, Okolelova Ella</i>	
ENERGY EFFICIENCY OF INDUSTRIAL FACILITIES AS A FACTOR OF SUSTAINABLE DEVELOPMENT OF THE COUNTRY'S ECONOMY	706
<i>Meshcheryakova Tatiana, Tkacheva Elona, Kabanova Daria</i>	
ECOLOGICAL SAFETY OF BUILDINGS DEPENDING ON THE INACCURACIES OF ENGINEERING INVESTIGATIONS	714
<i>Chernyshov S., Martynov A.</i>	
MODELING OF GREENHOUSE RADIANT HEATING	722
<i>Pavlov Mikhail, Lukin Sergey, Derevianko Oleg</i>	
ANALYTICAL CALCULATION OF TIME OF REACHING SPECIFIC VALUES BASED ON VISIBILITY LOSS DURING A FIRE	731
<i>Kolodyazhniy Sergei, Kozlov Vladimir</i>	
RECOMMENDATIONS FOR REPAIRING THE FACADES OF THE FACTORY BUILDING OF THE “EXPERIENCED SPORTS EQUIPMENT IN MOSCOW”	739
<i>Kamskov Victor</i>	
STUDY OF REINFORCED ELASTOMERIC BEARINGS FOR STRUCTURES IN SEISMIC AREAS	752
<i>Safina Larisa, Shuvalov Aleksandr, Kovalev Mikhail</i>	
GUIDELINES ON CALCULATION OF THE CONCRETE THERMAL TREATMENT MODES	760
<i>Sinenko Sergey, Zhadanovskiy Boris</i>	
MOBILE BUILDING LIFE CYCLE	774
<i>Katranov Ivan, Lapidus Azariy</i>	
INFLUENCE OF THE ROCK BRIDGE IN THE ROOF OF THE DEVELOPED SPACE ON THE LOADING AND DEFORMATION OF STOOKS	779
<i>Makeeva Tamara, Trofimov Vitaly</i>	
MECHANICAL PROCESSING OF CONCRETE AND REINFORCED CONCRETE WITH DIAMOND TOOL	788
<i>Zhadanovsky Boris</i>	
SEISMIC RESISTANCE AND ENDURANCE OF THE TYPICAL RESIDENTIAL BUILDINGS IN SOCHI	795
<i>Yurchenko Elena, Volkov Alexander, Kakosyan Asthik</i>	
ANALYTICAL CALCULATION OF THE DEFLECTION OF THE LATTICE TRUSS	803
<i>Kirsanov Mikhail, Tinkov Dmitry</i>	
FIRE PROTECTION OF TIMBER BUILDING STRUCTURAL UNITS BY MONO-AND DI-ETHANOLAMINE-(N→B)- PHENYL BORATES	810
<i>Stepina Irina</i>	
PROCESSING OF EXTERIOR LIGHT CONCRETE WALL PANELS	816
<i>Zhadanovsky Boris, Sinenko Sergey, Slavin Alexey</i>	
AUTOMATED CALCULATION OF REDUCED RESISTANCE TO A HEAT TRANSFER OF THE WINDOW BASED ON BIM TECHNOLOGIES	821
<i>Ignatova Elena</i>	
HIGH-STRENGTH CONCRETE WITH NEW ORGANIC MINERAL COMPLEX ADMIXTURE	828
<i>Abu-Khasan Mahmud, Solovyova Valentina, Solovyov Dmitry</i>	
CALCULATION OF MULTILAYER ENCLOSING STRUCTURES WITH MIDDLE LAYER OF POLYSTYRENE CONCRETE	834
<i>Korol Elena, Berlinova Marina</i>	
NONLINEAR DESIGN MODEL OF REINFORCED CONCRETE IN TERMS OF TRIAXIAL DEFORMATION	841
<i>Berlinov Mikhail, Grigorjan Artem</i>	
FIELD THEORY IN NORMAL TOROIDAL COORDINATES	852
<i>Nesnov Dmitry V.</i>	
MODELING FIRES IN STRUCTURES WITH AN ATRIUM IN THE FDS FIELD MODEL	860
<i>Nedryshkin Oleg, Gravit Marina, Grabovyy Kirill</i>	

EFFECT OF NATURAL POZZOLAN ON STRENGTH AND TEMPERATURE DISTRIBUTION OF HEAVYWEIGHT CONCRETE AT EARLY AGES	866
<i>Tang Van Lam, Nguyen Trong Chuc, Ngo Xuan Hung, Dang Van Phi, Bulgakov Boris, Bazhenova Sophia</i>	
ABOUT THE INFLUENCE OF HARDENING CONDITIONS ON THE STRUCTURE AND PROPERTIES OF EXPANSIVE CONCRETES	877
<i>Alekseev Vyacheslav, Harchenko Igor, Harchenko Aleksey, Bazhenova Sofia</i>	
POSSIBILITIES OF MODERN SOFTWARE COMPLEXES IN SIMULATION FIRE PROTECTION OF CONSTRUCTIONS STRUCTURES WITH SOFISTIK	886
<i>Gravit Marina, Lyulikov Vladimir, Fatkullina Alina</i>	
METHODS FOR DETERMINING THE NUMBER OF CLOSED CELLS IN RIGID SPRAYED POLYURETHANE FOAM	891
<i>Gravit V. Marina, Ogidan Olamipe, Znamenskaya Elena</i>	
WATER ABSORPTION BY MULTIFUNCTIONAL PROTECTIVE EPOXY COMPOSITES	899
<i>Smirnov Vladimir, Korolev Evgeniy</i>	
COMPARISON OF THE STRESS AND STRAIN INTENSITY FACTORS FOR THE CORNER AREA OF THE STRUCTURE BOUNDARY	906
<i>Frishter Lyudmila</i>	
THE USE OF ELEVATORS IN THE EVACUATION OF HIGH-RISE BUILDINGS	913
<i>Dmitriev Ivan, Kuzenkov Kirill, Kankhva Vadim</i>	
BENDING STRENGTH AND PHASE COMPOSITION OF CEMENT STONE SUBJECTED TO LOADING AT AN EARLY STAGE	919
<i>Galkin Yuriy, Udodov Sergey</i>	
DEVELOPMENT OF COMPOSITE CERAMIC MATERIAL USING CULLET	927
<i>Shakhova Valeria, Vitkalova Irina, Torlova Anastasiya, Pikalov Evgeniy, Selivanov Oleg</i>	
DEVELOPMENT OF HEAT-INSULATING FIRE-RESISTANT COATING FOR BUILDING STRUCTURES	933
<i>Chukhlanov Vladimir, Selivanov Oleg, Trifonova Tatyana, Ilna Marina, Chukhlanova Natalia</i>	
SILICA SOL PROPERTIES FOR CONSTRUCTION	939
<i>Svatovskaya Larisa, Sychova Anastasia, Sychov Maxim</i>	
DEVELOPMENT OF ENVIRONMENTALLY SAFE ACID-RESISTANT CERAMICS USING HEAVY METALS CONTAINING WASTE	946
<i>Vitkalova Irina, Torlova Anastasiya, Pikalov Evgeniy, Selivanov Oleg</i>	
REGULATION OF THE MICROECOLOGICAL ENVIRONMENT OF RESIDENTIAL BUILDINGS IN SOUTHERN CITIES WITH A HOT-CALM CLIMATE CONDITION	952
<i>Giyasov Adham</i>	
DESIGN OF LOW-RISE BUILDINGS FROM THIN-WALLED STEEL FRAME STRUCTURES	961
<i>Umnova Olga, Tuev Dmitry, Giyasov Timur</i>	
SPECIFICS OF TEACHING ENGINEERING DRAWING TO FOREIGN STUDENTS OF CONSTRUCTION DEGREES	970
<i>Semenova Natalia</i>	
GEO TECHNICAL JUSTIFICATION AND MONITORING OF SUBTERRANEAN PARKING CONSTRUCTION IN KHABAROVSK CITY	976
<i>Kudryavtsev Sergey, Kazharsky Alexey, Yedigaryan Arkades, Goncharova Elena, Yedigaryan Leonid, Bugunov Semen, Pogulyaeva Evgeniya</i>	
THE RESEARCH OF THE FREEZING AND THAWING PROCESS OF THE FOUNDATIONS WITH THE USE OF SEASON AND COLD-PRODUCING DEVICES	986
<i>Kudryavtsev Sergey, Borisova Anastasia</i>	
SPATIAL ECONOMIC EFFECTS OF THE USE OF LOCAL RESOURCES: CASE OF CEMENT-BONDED WOOD FIBER BLOCKS	992
<i>Kolesnikov Nikolai, Kolesnikova Natalia</i>	
MULTIPLE-CRITERIA DECISION ANALYSIS OF THE TRANSFORMABLE LOW-RISE BUILDING TECHNOLOGICAL CONSTRUCTION PROCESS	999
<i>Korol Elena, Pleshivce Alexander</i>	
RESEARCH INTO VERTICAL AXIAL ELEMENTS IN SEASONALLY FROZEN GROUNDS	1005
<i>Kudriavtsev Sergey, Kazharsky Alexey, Maleev Dmitry, Tsvigunov Dmitry, Trapeznikov Vlad</i>	
INVESTIGATION OF LIGHT EMBANKMENT ON WEAK SOILS	1012
<i>Kudriavtsev Sergey, Bugunov Semen, Kotenko Zhanna, Pogulyaeva Evgeniya</i>	
MODELING OF THE COMPOSITION OF ECOLOGICALLY SAFE CLAY-GYPSUM BINDERS	1019
<i>Asamatdinov Marat, Medvedev Andrey, Zhukov Alexey, Zarmanyar Ervand, Poserenin Alexey</i>	
ENSURING EXPLOSION SAFETY OF RESIDENTIAL BUILDINGS	1025
<i>Gorev Vyacheslav</i>	
THE STRESS-STRAIN STATE FROM ITS OWN WEIGHT IN GROUND BASE WITH TRAPEZOIDAL CUTOUT	1033
<i>Agakhanov Elephan, Agakhanov Murad, Batmanov Edward</i>	
EFFECTIVE BINDER BASED ON THE ARTIFICIAL ANHYDRITE FOR MANUFACTURING OF FILLING MIXTURES	1039
<i>Galtseva Nadezda, Bogdanova Anfisa</i>	
EFFECTIVE CONCRETE TYPES WITH CARBON FIBER	1046
<i>Solov'Ev Vadim, Nurtudinov Marsel', Kukhar Il'Ya</i>	
MODEL AND MECHANISM OF CARBON NANOTUBE STABILIZATION WITH PLASTICIZER	1053
<i>Samchenko Svetlana, Kozlova Irina, Zemskova Olga</i>	

A RESEARCH OF STRESS/STRAIN CONDITION OF REINFORCED TIMBER STRUCTURES WITH NATURAL WEAKENINGS	1063
<i>Shchelokova Tatiana</i>	
NEURAL NETWORK PRINCIPLE OF IMPLEMENTATION OF DIGITAL FILTERS	1070
<i>Morozov Sergey, Makarov Gennady, Kuzmin Konstantin</i>	
ASSESSMENT OF ENCLOSING STRUCTURE MOISTURE REGIME USING MOISTURE POTENTIAL THEORY	1078
<i>Gagarin Vladimir, Akhmetov Vadim, Zubarev Kirill</i>	
RESEARCH OF NITROGEN OXIDES GENERATION DURING LOW-TEMPERATURE SWIRL FUEL COMBUSTION	1092
<i>Trinchenko Alexey</i>	
SUSTAINABLE AND SOCIAL QUALITY OF REFUGEE HOUSING ARCHITECTURE	1103
<i>Eichner Michael, Ivanova Zinaida</i>	
POP-UP LANDSCAPE ARCHITECTURE IN HO CHI MINH CITY: CASES OF CREATING LIVABLE CITY FOR ALL	1113
<i>Vu Anh Viet, Pham Thi Ai Thuy, Pham Tu</i>	
ECOLOGICAL ARCHITECTURE AS A FORGOTTEN OPPORTUNITY IN VIETNAM	1123
<i>Le Thanh Son</i>	
MODERN ARCHITECTURE OF SAIGON - HO CHI MINH CITY	1136
<i>Truong Hai Thanh, Vu Thi Hong Hanh</i>	
MORPHOLOGY OF WATER-BASED HOUSING IN MEKONG DELTA, VIETNAM	1151
<i>Vu Thi Hong Hanh, Duong Viet</i>	
SUSTAINABLE APPROACHES TO NATURE IN TRADITIONAL ARCHITECTURAL SPACE, THEIR APPLICATION IN THE TEACHING OF ARCHITECTURE AND INTERIOR DESIGN	1163
<i>Vo Thi Thu Thuy</i>	
INNOVATIVE TECHNOLOGIES IN BRICK MASONRY RESTORATION OF ARCHITECTURAL MONUMENTS	1175
<i>Chernyshev Sergey, Rubtsov Igor, Elmanova Elena</i>	
ORGANICISM AND AN ENVIRO-ORGANIC FORM INTEGRATING TO THE BUILT ENVIRONMENT	1182
<i>Tran Duc</i>	
INNOVATION TECHNOLOGIES IN GREEN ROOF SYSTEMS	1190
<i>Korol Svetlana, Shushunova Natalia, Shushunova Tatiana</i>	
GREEN BUILDING IN MOSCOW: PROBLEMS AND CONTRADICTIONS	1198
<i>Yakubov Haris</i>	
ENVIRONMENTAL SOLUTION FOR TRADITIONAL HOUSING IN THE CUU LONG RIVER DELTA	1204
<i>Pham Anh Dung</i>	
CONSTRUCTION OF ATRIUM IN THE TULA KREMLIN: HISTORY, BACKGROUND AND OPPORTUNITIES	1217
<i>Pastukh Olga, Vaitens Andrey, Golovina Svetlana</i>	
POTENTIAL DAYLIGHT RESOURCES BETWEEN TROPICAL AND TEMPERATE CITIES – A CASE STUDY OF HO CHI MINH CITY AND MOSCOW	1228
<i>Nguyen Phuong Khanh Thi, Solovyov Aleksei</i>	
BAMBOO - THE ECO-FRIENDLY MATERIAL – ONE OF THE MATERIAL SOLUTIONS OF THE SUSTAINABLE INTERIOR DESIGN IN VIETNAM	1236
<i>Nguyen Thi Bich Van</i>	
GREEN ARCHITECTURE AS A MEANS OF SUSTAINABLE URBAN DEVELOPMENT: RUSSIAN AND INTERNATIONAL EXPERIENCE	1256
<i>Pryadko Igor</i>	
RESTORATION OF HISTORICAL MANSIONS BUILT IN RUSSIAN PROVINCE AT THE BEGINNING OF XX CENTURY	1265
<i>Arlanova Maria, Pavlov Sergey, Yablonskii Leonid</i>	
INTEGRATING STRATEGIC PLANNING VALUES INTO URBAN MASTER PLANNING PROCESS IN VIETNAM	1271
<i>Ma Van Phuc, Tran Trung Vinh</i>	
ARCHITECTURAL POSSIBILITIES OF USING PVC WINDOW UNITS IN HISTORICAL BUILDINGS	1282
<i>Konstantinov Aleksandr, Mukhin Andrey</i>	
APPLIED ART IN THE INTERACTION WITH ENVIRONMENTAL ARCHITECTURE AND URBAN ENVIRONMENT	1289
<i>Do Lenh Hung Tu</i>	
TRANSFORMATION OF THE COLUMN ORDER IN THE BAROQUE ARCHITECTURE IN ST. PETERSBURG OF THE XVIII CENTURY	1297
<i>Vozniak Ekaterina, Slavina Tatyana, Kopytova Anna</i>	
PHENOMENOLOGY METHOD OF MAKING A PLACE	1306
<i>Tran Duc</i>	
USE OF MODERN CONSTRUCTION MACHINERY IN THE CONSTRUCTION	1314
<i>Prochorov Sergey</i>	
REORGANIZATION OF BUILDINGS IN ACCORDANCE WITH THE “HUMAN-TECHNOLOGY-NATURE” SYSTEM	1320
<i>Kazaryan Ruben R.</i>	

BUCKLING ANALYSIS OF ROD STRUCTURE OF THE TWO-TIER DOME	1327
<i>Beskopylny Alexey, Zhuravlev Alexander, Shilov Alexander</i>	
SENSITIVITY ANALYSIS OF THE DESIGN PORTAL FRAMES OF STEEL INDUSTRIAL BUILDINGS	1335
<i>Nguyen Trong Ha, Dang Xuan Hung</i>	
CONSTRUCTIONAL SUSTAINABILITY IMPACT ON THE COMFORT OF LIVING ENVIRONMENT	1346
<i>Sorokin Andrey, Larionova Yulia, Tolstykh Elena</i>	
PROSPECTS FOR THE DEVELOPMENT OF GREEN AND ENERGY EFFICIENT TECHNOLOGIES IN CONSTRUCTION	1352
<i>Larionov Arkadiy, Metechko Ludmila, Davydov Artem, Davydov Denis</i>	

PART 3

THE PROCESS OF ADAPTATION «GREEN» STANDARDS BREEAM INTERNATIONAL IN RUSSIA AND ROLE OF PARTICIPANTS	1359
<i>Telichenko Valery, Dunn Gavin, Benuzh Andrey</i>	
ASSESSMENT OF THE EFFICIENCY OF THE DECISIONS MADE DURING IMPLEMENTATION OF THE INVESTMENT PROJECT IN CONSTRUCTION	1368
<i>Karakozova Irina, Prochorova Yulia</i>	
ENVIRONMENTAL ANALYSIS IN CONSTRUCTION COMPANY ECONOMIC ACTIVITY: APPROACHES, METHODS, INDICATORS	1376
<i>Simionova Nina, Krivosheeva Irina, Krivosheev Dmitriy, Lunyakov Mikhail</i>	
THE ORGANIZATIONAL MECHANISM FOR THE FORMATION OF PROGRAMS FOR THE RENOVATION OF CULTURAL HERITAGE OBJECTS ON THE BASIS OF THE VALUE APPROACH	1385
<i>Akristiniy Vera</i>	
INCREASE IN ENERGY EFFICIENCY OF THE RESIDENTIAL BUILDING IN RUSSIA	1393
<i>Meshcheryakova Tatiana</i>	
PROGRAMME PLANNING METHODS FOR ENTERPRISE ACTIVITIES IN THE TERRITORIALLY CONCENTRATED CONSTRUCTION COMPLEX	1401
<i>Panteleeva Margarita, Borozdina Svetlana</i>	
REENGINEERING OF THE MANAGEMENT PROCESSES OF INFORMATION SUPPORT OF HEAT SUPPLYING ORGANIZATIONS OF HEATING SYSTEMS OF A CITY	1408
<i>Verstina Natalia, Evseev Evgeny</i>	
CONSTRUCTION WASTE PROCESSING MANAGEMENT AND DEMOLITION OF FIVE-STOREY APARTMENT BLOCKS IN MOSCOW	1419
<i>Chulkov Vitaliy, Fachratov Myhammet</i>	
MODELING OF CONSTRUCTION WASTE PROCESSING SYSTEM DEVELOPMENT	1424
<i>Oleinik Pavel</i>	
THE METHOD OF FORMING SOLUTIONS FOR NON-CRITICAL ACTIVITIES IN THE PREPARATION AND OPTIMIZATION OF THE CONSTRUCTION COMPLEX ORGANIZATIONS' ANNUAL PROGRAM	1433
<i>Oleinik Pavel, Yurgaytis Alexey</i>	
SUMMARISING PROGRESSIVE APPROACHES TO CHOOSING ORGANISATIONAL AND TECHNOLOGICAL SOLUTIONS FOR THE CONSTRUCTION OF BUILDINGS	1440
<i>Sinenko Sergey, Poznakhirko Tatiana</i>	
ENVIRONMENTAL SITUATION IN CONSTRUCTION, RECONSTRUCTION AND RE-PROFILING OF FACILITIES IN HIGH-DENSITY URBAN DEVELOPMENT	1445
<i>Topchiy Dmitry, Kochurina Ekaterina</i>	
SERVICE AS A FUNCTION OF TRANSPORT AND AN ACTIVITY IN THE ANTHROPOTECHNICS MANAGEMENT	1453
<i>Chulkov Vitaly</i>	
BUILDING A SYSTEM FOR EFFICIENT USE OF RESOURCES IN CONSTRUCTION	1464
<i>Kozhevnikov Dmitry</i>	
INFLUENCE OF CONSTRUCTION ORGANIZATION PROJECT MANAGERS' PERSONAL QUALITIES ON THEIR PROFESSIONAL EFFICIENCY	1470
<i>Leontev Mikhail</i>	
FORMATION OF THE COMPETENCES OF SOCIAL INTERACTION AT THE TECHNICAL UNIVERSITY	1481
<i>Miloradova Nadezhda, Ishkov Alexander</i>	
ENVIRONMENTAL ASPECTS OF SUBSTANTIATION OF THE PRODUCTION DECISION EFFICIENCY	1492
<i>Graboviy Petr</i>	
GEO-ECOLOGICAL ASPECTS OF THE TERRITORIAL ORGANIZATION OF TOURIST AND RECREATIONAL ACTIVITIES	1503
<i>Tulokhonov Arnold, Maksanova Lyudmila, Budaeva Darima, Karnaukh Inessa</i>	
SUBSTANTIATION OF THE SITING OF CONSTRUCTION FACILITIES IN THE CENTRAL ECOLOGICAL ZONE OF THE BAIKAL NATURAL AREA: ECOLOGICAL AND ECONOMIC ASPECTS	1517
<i>Karnaukh Inessa, Mikheeva Anna, Ayusheeva Svetlana, Bardakhanova Taisia</i>	
ON METHODS OF COVERAGE OF SOCIOPOLITICAL ASPECTS OF URBAN DEVELOPMENT BY SOCIAL DISCIPLINES	1530
<i>Andreev Igor</i>	

MANAGEMENT OF THE INVESTMENT VALUE OF LAND PLOTS DURING COMPLEX RESIDENTIAL DEVELOPMENT	1539
<i>Kulakov Kirill</i>	
RUSSIAN SHARED CONSTRUCTION MARKET AND SPECIFICS OF ASSESSMENT OF THE ECONOMIC LOSSES OF CITIZENS ON DISTRESSED OBJECTS	1546
<i>Kulakov Kirill, Baronin Sergey, Timofeev Konstantin</i>	
EVALUATION OF ECONOMIC EFFICIENCY OF THE STATE PROGRAMME OF RENOVATION OF RESIDENTIAL BUILDINGS IN MOSCOW	1553
<i>Kolobova Svetlana</i>	
SETTING THE URBAN DEVELOPMENT STANDARDS AS THE BASIS OF ENSURING ECO-ECONOMIC SUSTAINABILITY OF CONSTRUCTION	1563
<i>Kirillova Ariadna, Kostrikin Pavel</i>	
MODEL OF RISK MANAGEMENT OF CONSTRUCTION PROJECT BASED ON TRANSACTION COSTS	1569
<i>Vladimirova Irina, Zemskov Pavel, Tsygankova Anna</i>	
APPLICATION OF FAILURE MODE AND EFFECTS ANALYSIS IN ECOLOGY IN RUSSIA	1580
<i>Borkovskaya Victoria, Passmore David</i>	
ENVIRONMENTAL ECONOMIC MODEL OF RISK MANAGEMENT AND COSTS IN THE FRAMEWORK OF THE QUALITY MANAGEMENT SYSTEM	1590
<i>Borkovskaya Victoria, Degaev Evgeniy, Burkova Irina</i>	
RISK AND UNCERTAINTY IN ECONOMIC MODELLING OF COMPLEX BUILDING SYSTEMS	1599
<i>Hrustalev Boris, Moses Angelina, Uchaeva Tatiana</i>	
THE TECTOLOGICAL FUNCTION OF INVESTMENT-CONSTRUCTION ACTIVITIES	1605
<i>Mishlanova Marina</i>	
LE IM: LIVING ENVIRONMENT INFORMATION MODELLING	1614
<i>Ginzburg Alexander</i>	
MONITORING OF THE DEVELOPMENT OF URBAN AREAS WITH THE USE OF INFORMATION TECHNOLOGY	1622
<i>Kagan Pavel</i>	
INTEGRATED CONSTRUCTION SUPERVISION AS A TOOL TO REDUCE THE DEVELOPER'S RISKS WHEN IMPLEMENTING NEW AND REDEVELOPMENT PROJECTS	1628
<i>Topchiy Dmitriy, Shatrova Anastasia, Yurgaytis Alexey</i>	
SYSTEMIC INTEGRATED METHOD FOR ASSESSING FACTORS AFFECTING CONSTRUCTION TIMELINES	1635
<i>Lapidus Azary, Abramov Ivan</i>	
PROBLEMS OF THE DYNAMIC TEST METHOD FOR INDIVIDUAL PROTECTION EQUIPMENT (SHOCK ABSORBERS)	1642
<i>Korolchenko Dmitry, Vasilenko Vasily, Lelikov Georgy</i>	
ORGANIZATION AND MANAGEMENT OF MOBILITY OF BUILDING PRODUCTION AND ITS DISTINCTIVE FEATURES	1649
<i>Prykina Larisa</i>	
MODERN SYSTEM OF STRATEGIC MANAGEMENT OF THE ORGANIZATIONS OF FUEL-AND-ENERGY COMPLEX IN RUSSIA	1653
<i>Maksimova Daria</i>	
FEATURES OF CALCULATIONS OF THE LIMIT COST OF HIGH-RISE CONSTRUCTIONS FOR HOUSING AND CIVIL PURPOSES WITH THE USE OF CONSOLIDATED STANDARDS	1659
<i>Ovsiannikov Andrei, Vorotyntseva Anna, Bolgov Vladimir</i>	
IMPROVEMENT OF DIAGNOSTICS AND MONITORING IN THE HEAT-SUPPLYING ORGANIZATIONS IN THE COMPLEX OF ECOLOGICAL MANAGEMENT OF URBAN DEVELOPMENT	1665
<i>Verstina Natalia, Tereshkina Tatiana, Evseev Evgeny</i>	
PUBLIC-AND-PRIVATE PARTNERSHIP PROJECTS IN HOUSING-AND-COMMUNAL SECTOR FOR ECOLOGICAL WELLBEING IN RUSSIAN CITIES	1679
<i>Mottaeva Asiiat</i>	
DETERMINATION OF PARAMETERS OF THE BUCKET GRAB FOR EXCAVATION WORKS	1686
<i>Tsipurskiy Ilya</i>	
ANALYSIS OF FACTORS AFFECTING HO CHI MINH CITY'S OFFICE RENTAL PRICE USING HEDONIC MODEL	1693
<i>Le Van Thuong, Nguyen Quynh Hoa, Nguyen Van Toan</i>	
CONSTRUCTION PLANNING OF LOW-RISE RESIDENTIAL PROPERTY BASED ON IMPROVING MOBILITY OF CONSTRUCTION OPERATIONS	1700
<i>Khrustalev Boris, Artamonova Iuliya, Zhelikhovsky Denis, Osipov Daniil</i>	
ENERGY CONSUMPTION REDUCTION AT ALL STAGES OF RESIDENTIAL BUILDINGS LIFE CYCLE BY MEANS OF QUEUING SYSTEMS	1705
<i>Mishchenko Valeriy, Kolodyazhniy Sergei, Gorbaneva Elena</i>	
INCORPORATE THE RULES OF SOCIAL SEGREGATION IN SOLUTIONS FOR THE INHIBITION OF THE HOUSING BUBBLE IN VIETNAM	1712
<i>Tran Van Khai</i>	
OPTIMIZATION OF MANAGERIAL DECISIONS DURING INNOVATIVE-AND-INVESTMENT ACTIVITIES OF CONSTRUCTION COMPANY	1725
<i>Egorov Anatoly, Pilipchuk Nadezhda, Selskov Aleksey, Grabovyy Kirill</i>	

TECHNOLOGY OF SOIL STABILIZATION WITH CEMENT-SAND GROUTING MORTAR WITH OPTIMAL AGGREGATE GRADING	1735
<i>Zhilkina Tatyana, Sychugov Stanislav, Gumeniuk Alexander, Mackevicius Rimantas, Turchin Vadim, Vasilev Vladimir, Zakirov Marat, Ilinsky Alexander</i>	
ORGANIC AGRICULTURE AND SUSTAINABLE DEVELOPMENT OF THE AGRARIAN SECTOR OF REGIONS IN THE CONTEXT OF “GREEN” ECONOMY	1743
<i>Akhmetshina Liliya, Pokrovskaya Tatyana, Semernin Dmitry</i>	
ECOLOGICAL-AND-ECONOMICAL ASPECTS OF ASSESSMENT OF MANAGEMENT OF THE CITY-FORMING ORGANIZATIONS IN THE CONSTRUCTION INDUSTRY	1749
<i>Kunanbayeva Kymbat, Gorovoy Alexander, Butyrin Andrey</i>	
TRENDS AND IMPROVING METHODS OF ASSESSING COSTS OF LAND PLOTS SEIZED BY THE STATE	1755
<i>Tabak Larisa, Suvorova Natasha</i>	
EXAMPLE OF DEVELOPMENT OF PRODUCTION SCHEDULE IN THE REORGANIZATION OF RESIDENTIAL AREAS	1762
<i>Dzhusoev German, Sinenko Sergey, Slavin Alexey</i>	
INTELLIGENT ANALYSIS IN CONSTRUCTION MANAGEMENT	1770
<i>Klashanov Fjoder</i>	
PROBLEMS OF APPLICATION OF THE ENVIRONMENTAL LEGISLATION TO THE MAINTENANCE AND CONSTRUCTION OF URBAN BUILDINGS AND STRUCTURES: THE RUSSIAN EXPERIENCE	1778
<i>Pryadko Igor’ Petrovich, Lebedev Igor’ Michajlovich</i>	
THE UNIVERSITIES ROLE IN THE CREATION OF INFORMATION AND CONSULTING TECHNOLOGIES OF MODERN AGRIBUSINESS	1785
<i>Eremin Dmitry, Skipin Leonid</i>	
ENVIRONMENTAL SAFETY CONSTRUCTION PROGRAMS OPTIMIZATION AND RELIABILITY OF THEIR IMPLEMENTATION	1793
<i>Burkova Irina, Titarenko Boris, Hasnaoui Amir, Titarenko Roman</i>	
MANAGEMENT OF PORT INDUSTRIAL COMPLEX DEVELOPMENT: ENVIRONMENTAL AND PROJECT DIMENSIONS	1805
<i>Orlova Vlada, Ilin Igor, Shirokova Svetlana</i>	
MEASUREMENT OF THE INTENSITY OF CONSTRUCTION AND INSTALLATION WORKS TAKING INTO ACCOUNT THE LEVEL OF ORGANIZATIONAL AND TECHNOLOGICAL RELIABILITY	1814
<i>Kabanov Vadim</i>	
THE IMPACT OF ENERGY-CORRECTIVE MEASURES AT THE DESIGN STAGE OF CONSTRUCTION PROJECTS	1822
<i>Korol Oleg</i>	
OPTIONS FOR FINANCIAL SUPPORT OF LOCAL ISSUES	1833
<i>Morunova Galina, Kuzmina Svetlana, Sorvina Taisiya</i>	
HUMAN CAPITAL AS A BASIS FOR THE DEVELOPMENT OF A MODERN UNIVERSITY	1839
<i>Golikov Aleksey, Kudaka Marina, Sergeev Vitaly, Sergeeva Irina, Tishin Platon, Tumakova Elena</i>	
THEORETICAL AND METHODOLOGICAL ASPECTS OF THE COMPETENCE APPROACH TO THE EVALUATION OF THE ORGANIZATION’S PERSONNEL	1845
<i>Bagaeva Irina, Iliashenko Oksana, Borremans Alexandra</i>	
APPROACH TO THE CHOICE OF BIG DATA PROCESSING METHODS IN FINANCIAL SECTOR COMPANIES	1853
<i>Ilin Igor, Iliashenko Oksana, Iliashenko Victoria</i>	
FINANCIAL LOGISTICS INNOVATIONS IN IT PROJECT MANAGEMENT	1862
<i>Ilin Igor, Kalinina Olga, Barykin Sergei</i>	
LOGISTIC DEVELOPMENT AND USE OF PERSONNEL MOTIVATION SYSTEM BASED ON THE CHOSEN STRATEGY OF SPORTS ORGANIZATION	1869
<i>Kalinina Olga, Suschenko Valery, Shchegolev Valery, Barykin Sergey</i>	
REENGINEERING OF SUPPLY CHAIN MANAGEMENT INTEGRATED SCHEDULING PROCESSES	1874
<i>Kuleshova Ekaterina, Levina Anastasia, Esedulayev Rustam</i>	
INVESTMENT IN RENEWABLE ENERGY: PRACTICAL CASE IN ESTONIA	1881
<i>Poljanskihh Anna, Levina Anastasia, Dubgorn Alissa</i>	
DIGITAL TRANSFORMATION: THE CASE OF THE APPLICATION OF DRONES IN CONSTRUCTION	1887
<i>Zaychenko Irina, Smirnova Anna, Borremans Alexandra</i>	
AUDIT OF ECONOMIC SECURITY AS AN EFFECTIVE TOOL TO PREVENT CORRUPTION IN A CONSTRUCTION COMPANY	1894
<i>Domracheva Larisa, Karanina Elena, Bakhtimov Alexander, Kochetkov Maxim</i>	
SYSTEMATIC APPROACH TO THE EVALUATION OF STATE SUPPORT EFFICIENCY ON THE BASIS OF THE INTEGRATED INDEX	1902
<i>Snigireva Galina, Malysheva Natalia, Adamaitis Lyudmila, Gamulinskaya Nadezhda, Zonova Nadezhda</i>	
THE MINIMISATION OF RISKS IN PROJECT FINANCE: APPROACHES TO FINANCIAL MODELLING AND STRUCTURING	1907
<i>Tikhomirov Dmitry, Plotnikov Vladimir</i>	
THE MECHANISM FOR VALUE FORMATION IN A TRADING ENTERPRISE	1915
<i>Pirogova Oksana, Makarevich Marina</i>	
CONCEPTUAL FRAMEWORK FOR MANAGING THE COMPETITIVENESS OF THE ENTREPRENEURIAL STRUCTURES	1922
<i>Kunin Vladimir, Rumyantseva Anna, Tarutko Olga</i>	

CLASSIFICATION OF OPERATIONAL RISKS IN CONSTRUCTION COMPANIES ON THE BASIS OF BIG DATA	1931
<i>Kostyunina Tatyana</i>	
DIFFERENTIATION OF WHOLESALE PRICES FOR ORGANIC AGRICULTURAL PRODUCTS	1939
<i>Yazev Grigory, Ryabova Taisiya, Zhenzhebir Vyacheslav</i>	
RECOMMENDED SYSTEM OF PERSONALIZED CORPORATE E-LEARNING BASED ON ONTOLOGIES	1946
<i>Nikitina Lyudmila, Shikov Pavel, Bakanova Anna, Shikov Aleksey</i>	
INDICATORS OF THE RESOURCE EFFICIENCY DEVELOPMENT IN RUSSIA	1955
<i>Korol Svetlana, Shushunova Natalia, Shushunova Tatiana</i>	
A COMPLEX OF FACTORS OF INCREASING THE COMPETITIVENESS OF INDUSTRIAL PARK RESIDENTS	1960
<i>Tikhanov E. A., Krivorotov V. V., Chepur P. V., Tarasenko A. A., Gruchenkova A. A.</i>	
SYSTEMATIZATION AND ANALYSIS OF APPROACHES TO ASSESSING THE COMPETITIVENESS OF BUSINESS ENTITIES	1966
<i>Krivorotov Vadim, Tarasenko Aleksandr, Tikhanov Evgeniy, Chepur Petr, Gruchenkova Alesya</i>	
SUSTAINABLE DEVELOPMENT THROUGH THE PRISM OF ETHNO-TOURISM – EXAMPLE OF MONTENEGRO	1972
<i>Melovic Boban, Cirovic Dragana</i>	
THE MECHANISM OF ATTRACTING INVESTMENTS IN MODERNIZATION OF PUBLIC UTILITY FACILITIES	1979
<i>Teplyshev Vyacheslav, Petrosyan Rima, Spitsov Dmitriy, Smirnov Vitaly, Pushkareva Maria</i>	
MODEL MANAGEMENT OF INNOVATIVE DEVELOPMENT OF INDUSTRIAL ENTERPRISES	1988
<i>Golov Roman, Narezhnaya Tamara, Voytolovskiy Nikolay, Mylnik Vladimir, Zubeeva Elena</i>	
DEVELOPMENT OF METHODS FOR MANAGING INNOVATION ACTIVITIES OF ECONOMIC SYSTEMS	1995
<i>Volkova Nina, Shoshinov Vitaly, Kosova Lyubov, Lavrova Ludmila, Zemlyanskaya Natalia</i>	
FORMATION OF THE STRATEGY OF MANAGEMENT OF INNOVATION AND INVESTMENT ACTIVITY OF THE ENTERPRISE	2002
<i>Minaeva Elena, Lastochkina Vera, Gusev Valery, Fadeev Alexander, Manukhina Lyubov</i>	
FORMATION OF TOOLS FOR ASSESSING THE LEVEL OF INNOVATIVE DEVELOPMENT OF AN ENTERPRISE	2009
<i>Gusev Valery, Stativa Ekaterina, Proskurina Zinaida, Delyatitskaya Alla, Kolosova Valeria</i>	
DEVELOPMENT OF METHODOLOGICAL APPROACHES TO INCREASE THE EFFICIENCY OF THE INVESTMENT ACTIVITY OF THE ENTERPRISE	2017
<i>Golov Roman, Spitsov Dmitriy, Yutkina Olga, Kazakova Natalia</i>	
FORMATION OF THE INNOVATION ENVIRONMENT OF ENTERPRISES IN THE REAL SECTOR OF THE ECONOMY	2025
<i>Ershova Natalia, Sergeeva Nadezhda, Kosova Yulia, Fedotova Anastasia</i>	
INFLUENCE OF DEPRECIATION CALCULATION OF FIXED ASSETS ON THE OPTIMIZATION OF INCOME TAX	2032
<i>Zaslavskaya Irina</i>	
PERSPECTIVES AND CONSEQUENCES OF IMPLEMENTATION AND DEVELOPMENT DIGITAL ECONOMY	2037
<i>Alpackaya Irina, Alpackiy Dmitriy</i>	
Author Index	