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E.A. SABELNIKOVA, N.N. SHESTERNEVA

**THE HYPOTHESIS OF THE DEVELOPMENT OF THE ROAD NEWORK IN THE URBAN TRANSPORT AND COMMUNICATION CORRIDOR**

*The paper is devoted to city transport and communication corridor as a new object to be considered in the planning of an urban transport system. This system comprises components of urban spatial transportation systems that are closely connected with external transport corridors. There is an analysis of the evolution of the network of streets in the urban transportation and communication corridor. Based on the analysis results some genetic features have been revealed and used to form a strategy of the development of structural components of a street network.*

***Key words****: city transport, network of streets, urban transportation and communication corridor, planning direction.*

M.R. KOLPAKOVA., E.A. BEREZINA

**MODERN TRENDS OF FORMATION OF LANDSCAPE OBJECTS IN ARCHITECTURAL AND PLANNING STRUCTURE OF A LARGE SIBERIAN CITY**

*The paper discusses some modern tendencies in the formation of landscape projects in the architectural and planning structure of a big Siberian city. Different types of landscape projects implemented in late XX - early XXI centuries in several Siberian cities: Novosibirsk, Tomsk, Omsk, Kemerovo, Krasnoyarsk, Barnaul and Irkutsk, have been studied to outline major landscaping trends and work out improving recommendations.*

***Key words****: landscape architecture, municipal environment improvement, landscape gardening, environmental balance, phytodesign.*

V.Y. SPIRIDONOV, V.A. KOLYASNIKOV

**ARCHITECTURAL-PLANNING DEVELOPMENT OF SETTLEMENT SYSTEMS**

*The structure of urbanized areas is investigated to define such principles of urban architecture and planning that will be able to ensure sustainable development of habitation. Fundamental models of development and implementation of architecture-and-planning systems are based on the methodology of modern theory of systems. According to these principles architecture-and-planning approaches are defined together with corresponding theoretical and project concepts that make a theoretical model of town planning.*

***Key words****: town planning, settling principles, architecture-and-planning system, housing, social component, sustainable development.*

A.I. VINOGRADOV,V.V. LEONTYEV

**RECONSTRUCTION OF MASS RESIDENTIAL DEVELOPMENT OF LARGE AND EXTRA-LARGE CITIES AS A MOST IMPORTANT CONDITION OF A SUCCESSFUL SOLUTION TO THE HOUSING PROBLEM IN RUSSIA AT THE PRESENT STAGE OF DEVELOPMENT**

*The paper discusses the need in the renovation of large-scale residential projects as a way to meet housing challenges in the country. The focus is given to Moscow experience in comprehensive renovation of five-storey standard-type residential buildings constructed in the first period of industrialized construction. It proves that town-planning policy should be re-directed from an extensive model of city development towards a more efficient use of urban territories with a purpose of providing people with better housing options and improvement of urban living standards.*

***Key words****: large-scale residential projects, renovation, housing resources, quality of life.*

E.N. PERTSIK, S.I. KABAKOVA

**FEATURES AND ANALYSIS OF URBANIZATION SPACE STRUCTURE FORMATION IN THE AMERICAN CONTINENT IN THE CONTEXT OF URBANIZATION PROBLEMS IN RUSSIA**

*The paper discusses some formation prerequisites of urbanization, positive and negative aspects of its development, as well as urbanization quality levels. It also presents some important urbanization challenges and ways to meet them. Urbanization development is viewed through the experience accumulated in the USA, Canada and Latin America (Brazil, Mexico and Argentina). Urbanization common specific features are identified considering its formation and development conditions in a market economy in the process of productive forces concentration.*

***Key words****: urbanization, megapolis, agglomeration, area, population growth, space structure*

O.S. SEMENOVA, N.O.SEMENOVA

**METHODS TO IMPROVE THE LIVING ENVIRONMENT COMFORT OF MOSCOW**

*This is an analysis of ratings of global cities. The author gives examples of a negative influence of Moscow Region climate on Moscow rating. It is suggested to control Moscow climate artificially by constructing underground roads, streets, boulevards and other public areas. Grounds are given to prove the advantages of underground public construction projects over surface ones.*

***Key words****: climate, life quality index, urban environment quality, temperature comfort, underground space.*

V.V. ALEKSASHINA

**THE DRAFT LAW "ON INDUSTRIAL POLICY IN THE RUSSIAN FEDERATION"**

*The paper outlines and proves a declining tendency of productivity development in Russian national industry. Some industries have died out. Main purpose of this work is to present a means to extend the range of territorial industrial units. It is suggested to supplement the Draft of the new Federal Law “On industrial policy” with the Article “Strategic planning and development of industrial enterprises”.*

***Key words****: industrial policy, planning, industrial parks, industrial clusters.*

N.V. BAKAEVA, T.M. NOVIKOVA

**CADASTRAL VALUATION OF LANDS IN TERMS OF THEIR TRANSPORT ACCESSIBILITY**

*Cadastral and economic valuation of land is part of the urban cadastre and urban policy. The basis of our research on the principle of market value when the amount of payment for the land depends on the prime location of the city on the territory of the economic region of the Russian Federation and cadastral quart-la on the City. The object of our research is the Kursk - the regional center of the CCA economic region. Evaluation criterion was the accessibility of urban areas.*

***Keywords:*** *urban policies, urban land inventory, integrated economic evaluation of land, factors of urban development, transport factor.*

B.M. DEGTYAREV

**TO THE QUESTION OF SECURITY TERRITORIES WITH URBAN PLANNING DESIGN**

*This research paper is devoted to the consideration of the methodological base of engineering implementation and building safety in the design system of urban planning. This is the question of present interest for engineering and construction security of urban areas.*

*The purpose of the study is to improve the design of urban systems at the expense of human-technological impact of urban structures on areas.*

*The scientific novelty consists in a new methodological approach to urban design planning system.*

***Key words:*** *civil engineering, safety, technology-related loads, architectural loads, urban design.*

D.V. KLIMOV

**BASIS OF THE MARKETING CONCEPT OF STRATEGIC PLANNING SUSTAINABLE COMMUNITY DEVELOPMENT**

*The economic development of territorial units is a multifaceted process that can include qualitative and quantitative modification of the environment. The article shows the development priorities, which may increase territorial competition, the attractiveness of cities and regions in the world economy, predetermining the investment impulses priority, the need to mobilize resources and their effective use at the federal, regional, municipal and corporate levels. The paper presents the analysis of world experience in relation to territorial development.*

***Key words:*** *territorial marketing, strategic planning, environmental quality, cluster interaction.*

N.S. KOBELEV, A.N. KOBELEV, E.M. KUVARDINA, V.N. KOBELEV

**ON THE NEED TO ENSURE ENVIRONMENTAL SAFETY OF THE POPULATION USING NATURAL GAS AS A SOURCE OF THERMAL ENERGY**

*The prospect of intense low-rise housing construction in accordance with the state program "Housing" and "Your house" demanded addressing the problem of "Health Care Service" as a function of the city "Life Support" in connection with the advantage of using the combustion of natural gas as a source of thermal energy for heating systems and daily needs with the cooking, which leads to significant emissions of pollutants into the internal air of kitchens, deteriorating health of the population.*

*The paper presents a scientifically grounded, technical solution for the environmentally friendly source of heat energy without combustion of natural gas.*

***Key words:*** *thermal energy, environmental safety, efficient use of resources, autonomous heating.*

A.V. ANTYUFEEV

**URBAN RENOVATION OF DEPRESSIVE POST-INDUSTRIAL AREAS IN THE INDUSTRIAL CITY (THE CASE OF VOLGOGRAD)**

*The paper is devoted to the reconstruction of the former industrial areas located in coastal areas, which are very important for the development of the city. From the point of view of socio-economic changes, this topic is relevant to many industrial cities of Russia. The author reveals the main provisions of the project on the example of estate reconstruction of the metallurgical plant "Krasny Oktyabr"(Red October) in Volgograd, in order to change the functional purpose and create a sports cluster.*

***Key words:*** *depressed territories, sustainable development, de-industrialization, landscape reconstruction*

O.P. KOROBOVA

**TRENDS IN THE DEVELOPMENT OF LOW-RISE RESIDENTIAL CONSTRUCTION IN MOSCOW REGION**

*The article is devoted to problems in development of low-rise residential construction in Moscow region. Need of development of low construction as a priority of federal policy is constantly noted at the government level, but cardinal changes in this sphere don't occur to this day, low construction is conducted irregularly and remains the privilege of highly provided citizens. Definition of the possible development directions should form a basis for improvement of the state territorial policy optimizing processes of placement and typological structure of low housing.*

***Keywords:*** *low-rise construction, residential construction, housing, engineering support.*

MEEROVICH M.G.

**FROM THE GARDEN CITY TO THE SOCIALIST CITY: SHCHEGLOVSK (KEMEROVO); STALINSK(NOVOKUZNETSK); NOVO-NIKOLAYEVSK (LEFT-BANK NOVOSIBIRSK)**

*The article discusses the features of the planning evolution for the new industrial cities of the USSR, which were built in 1930 according to the program of industrialization. Allegedly, these cities resembled each other like twins. They had no identity, specific or unique characteristics because the Soviet urban policy had the same planning postulates for all new cities. Identification and local conditions were overshadowed or ignored. This article describes in detail the planning models and the tenets of the Soviet urban planning policy on the example of three Siberian cities – Kemerovo (Shcheglovsk), Novokuznetsk (Stalinsk), Novo-Nikolaevsk (left bank Novosibirsk).*

***Key words:*** *spatial planning model, urban planning, public space, land use distribution.*

S.B. CHISTYAKOVA

**THE STRATEGY OF THE FAR EAST DEVELOPMENT − URBAN AND ECOLOGICAL BASES AND IMPROVEMENT OF ADMINISTRATION**

*The main goal of "Development Strategy and Urban Development Activities in Siberia and the Far East", is the creation of a set of conditions to ensure the formation of a supportive and comfortable living environment. Taking into account the size of the Far East, the climate and the landscape, geopolitical interests, ethnic and cultural diversity, it is necessary to develop the foundations of territorial and urban policies in the Far East and Siberia, which should be a platform for decision making in the field of spatial territory development.*

***Key words:*** *development strategy, comfortable environment, spatial territory development, settlement system.*