

## SUMMARY

### PART I ARCHITECTURAL MONUMENTS IN THE HISTORICAL ENVIRONMENT

#### *Trytnev I.A.*

A SUCCESSION AND DISTINCTION OF ARCHITECTURE OF THE KYIV STATE (XI - XII) ARE IN CULT BUILDING OF KYIV PRINCIPALITY (MIDDLES of XII - XIII)

The article analyzes the architectural study of orthodox religious churches of the principality of Kiev. The article analyzes the techniques for the location, design, spatial composition, planning decisions at different historical stages

#### *Pismak Yu. A.*

ARCHITECTURAL LANDSCAPE “VIEW OF ODESSA” BY CARLO BOSSOLI  
Carlo Bossoli was born in 1815, in the Swiss city of Lugano. Youth early showed a remarkable artistic gift. Bossoli’s major works include: album “The Beautiful Scenery Chief Places of Interest throughout the Crimea from painting by Carlo Bossoli” (1856); “Northern Facade of the Vorontsov’s Palace. Alupka” (1841); “Southern Facade of the Vorontsov’s Palace. Alupka” (1841); “The Island of Serpents (Zmeiny Island)” and others. “View of Odessa” by Carlo Bossoli from collection of Alupka Palace and park museum-reserve – valuable iconographic source for study of Odessa’s architectural history.

#### *Polshikova N.V.*

РАЗВИТИЕ И СТАНОВЛЕНИЕ  
АРХИТЕКТУРНО-СТРОИТЕЛЬНЫХ  
ТРАДИЦИЙ ВОСТОЧНОЙ ЕВРОПЫ ОТ  
ПОЗДНЕГО ПАЛЕОЛИТА ДО  
РАННЕГО ЖЕЛЕЗА

Discusses the development and establishment of the architectural traditions of Eastern Europe from the late Paleolithic to the early iron age.

#### *Pismak Yu. A.*

BRITISH INFLUENCES IN THE RUSSIAN MANUFACTURE OF ARTISTIC GLASS (18<sup>th</sup> – 19<sup>th</sup> CENTURIES) AND ROLE OF ARCHITECTS IN THIS MANUFACTURE  
The article reviews aspects of British influences in the Russian manufacture of artistic glass wares (18<sup>th</sup> – 19<sup>th</sup> centuries) and adduce information about participation of architects in the project this wares.

#### *Polshikova N.V., Secerskaya N.M.*

ALTARS OF NIKONY

The article considers the altars found excavations the antique city of Nikonion. Nikonion - the ancient greek settlement near the village of Roksolany in the Ovidiopol area of Odessa region. The antique cities have the altars which differences purpose and the size. The nikonions altars nearness the altars of antique city of Olbia. It is the antique city of the northwest of the Black Sea.

#### *Bostan Nina Stepanovna*

HISTORICAL HERITAGE OF  
TRANSNISTRIAN SETTLEMENTS AS  
ASPECT OF TERRITORIAL IDENTITY  
OF THE EDGE

The main direction of scientific activity – research, in the framework of the attestation, self education. Study research according to subjects of scientific activity of Department "Industrial and civil construction".

#### *Khudiakov I.A.*

ECLECTICISM IS IN MODERN  
ARCHITECTURE OF ODESA

The article contains short review of contemporary Odessa architecture development, describing 25-years period of independent Ukraine in the context of the current situation in Ukraine and post-Soviet countries. It reveals some reasons, which led to the domination of postmodern eclectic or historicism prevailing in contemporary Odessa architecture. An attempt of describing the development of contemporary

Odessa architecture from 90<sup>th</sup> till nowadays (including a brief description of each of the stages) was made in this article. Also it includes some examples of particular buildings characteristic of this period architecture. A number of compositional and semantical issues inherent in the contemporary postmodern historicism of Odessa architecture were described as well. The article was illustrated with examples of buildings and facade decorative elements details.

***Polonska O.M.***

**BAY WINDOWS IN MONUMENTS OF ARCHITECTURE IN ODESSA OF THE LATE MODERN PERIOD**

The article analyzes the bay windows of the late modern period in Odessa, reveals the features of the location of bay windows on the facades, classifies them according to shape and number of floors, and identifies the main types of bay windows that have been used in the architecture of Odessa in late modern period.

***Akopova A.A.***

**ODESA MODERN. BITS AND PIECES OF PAST POWER**

The article examines and analyzes several examples of buildings from the old Odessa, which belong to the modern style. These, sometimes gloomy buildings - is a tribute to the era when a man considered himself more powerful than ever. At the same time, modernism is the last cry of classical architecture. He thought of houses as works of art, after - as engineering constructions. Balancing between these parties, the architects of that time created dozens of unique masterpieces.

**PART II  
AESTHETIC ASPECTS OF THE  
PHILOSOPHY OF ARCHITECTURE**

***Denysenko Iu.N., Syrbu M.P.,  
Zhezhulenko I.A.***

**IMPACT OF ENERGY OF  
GEOMETRICAL FORMS ON PEOPLE.**

In article, the architectural researches and researches of other scientific directions about impact of energy of geometrical forms on people are analyzed. This research is the actual direction of the scientific researches urged to bring in the theory and practice of art, design and architecture of knowledge, which will help to create the architectural environment more harmonious to the person, the nature and the Universe.

***Pogorelov O.A., Shtirbu U.U.***

**HISTORICAL AND NEW BUILDING -  
ARE FACE OF MODERN CITY**

This article seeks to examine the effect of the use of symbolism in the design of architectural and spatial forms. In an analysis can be seen that - marks, it is clear to everyone, so it is always E urgent problem, since above all helps identify the image and symbolic meaning. The symbolism of the images in the built environment reflects such factors as the spiritual and psychological component of the projected image of the object.

***Romanova O.V.***

**SOLAR SIMBOLISM IN THE  
TRADITIONAL ARCHITECTURE OF  
THE CITY OF TATARBUNAR AND  
SARATA OF THE ODESSA REGION**

The article deals with solar symbolism in the traditional architecture of the city of Tatarbunary and Sarata town of the Odessa region. The descriptions of solar symbols in ornamental-plastic decor, artistic forging and figured carving of residential buildings of the above-mentioned settlements are performed.

**PART III**  
**THE THEORY OF URBAN PLANNING**  
**AND ARCHITECTURAL DESIGN**

***Urinyov V.P.***

ARCHITECTONICALLY-TOWN-  
PLANNING CONCEPTION OF  
DEVELOPMENT OF HISTORICAL  
CENTER OF ODESA

The strategic goal of preserving and developing the historical center of Odessa is a complex approach to the system of evaluation values. It is a transparent town-planning policy, decision and control.

***Zakharevsky N.S., Snyadovskaya T.Y.***

ARCHITECTURE AND URBAN-  
PLANNING FEATURES OF  
RECREATIONAL AREAS OF ODESSA  
ON THE EXAMPLE OF "DACHA  
KOVALEVSKOGO".

This article discusses and analyzes the historical aspects and architectural and urban-planning features of development of a recreational zone of Odessa "16th station Bolshogo Fontana - Dacha Kovalevskogo." The problems and outlined the prospects for the development of recreational areas. Marked recreational resources of the planning area, and methods for their use of architectural and urban-planning techniques.

***Kramarenko Marina Aleksandrovna***  
DETERMINATION OF RESORT HOTELS  
TERRITORY PARAMETERS.

The article defines the parameters of resort hotels` territory with different nomenclature of functional blocks: general resort, specialized and multifunctional. Recommendations on their town-planning and natural-climatic accommodation are given, indicators of the resort hotels` territory elements are calculated.

***Nogovitsyna T.V., Istomina V.S.***  
INVESTIGATION OF DEVELOPMENT  
TRENDS OF ARCHITECTURE OF HIGH-  
SPEED BUILDING

The article analyzes the ways of development of high-rise construction. Features of the formation of space-planning

solutions of skyscrapers on different continents. The appearance of modern cities depends to a large extent on economic and technological development, on their historical past. The construction of skyscrapers at the present stage largely reflects the close interconnection of the achievements of the construction industry and science.

***Kyselov V.N., Kyselova G.V.***  
PRINCIPLES OF ENVIRONMENTAL  
URBAN DEVELOPMENT THE  
EXAMPLE OF THE CITY OF ODESSA.

The article deals with current issues of achieving ecological balance in modern cities. We study the possible directions of modern city greening and implement eco-innovations on the example of Odessa . The basis of the proposals address these problems on the concept of «eco-city».

***ZAPOTOCHNYI YEVHEN***  
ROLE OF MUNICIPAL CENTER IN THE  
CONDITIONS OF MODERN  
URBANIZATION. MODEL OF BIPOLAR  
COMMUNITY CENTRE CITIES.

In an article on the example of the three cities in Germany, analyzes the functional spatial structure of the public town center, formed in the course of his life.

***Ivanova Irina Nikolaevna***  
MAIN PRINCIPLES OF FORMING THE  
ARCHITECTURE OF PUBLIC  
CATERING ENTERPRISES OF FAST  
SERVICE UNDER CONDITIONS OF THE  
DEVELOPING MARKET.

In the conditions of a developing, unstable market, it is important to provide in time the conditioned trends in the development of new types of public catering establishments with a regulatory framework, to identify and articulate the objectives of architecture in order to determine the main directions for improving the efficiency of fast food restaurants.

*Malashenkova V.A.*

TECHNIQUES OF ARCHITECTURAL AND SPATIAL ORGANIZATION OF THE ENVIRONMENT OF REHABILITATION CENTERS FOR CHILDREN WITH DISABILITIES.

The article deals with the main methods of architectural and spatial organization of the environment of rehabilitation centers for children with disabilities. Composite types, techniques of architectural expressiveness of facades.

**PART IV  
DESIGN OF ARCHITECTURAL ENVIRONMENT. THE ECOLOGICAL FRAMEWORK OF THE CITY**

*Morgun H.L., Tokar V.A.*

LANDSCAPE DESIGN OF URBAN STREETS. ADMISSION AND MEANS

Modern cities need to transform and humanize the street environment.

Landscaping (ways and means) is seen in this publication as a means of preventing further degradation of the urban environment, associated primarily with overcoming such environment disadvantages like a functional disorder and aesthetic vagueness

*Turikova H.N.*

DEFINITION OF A VECTOR OF TRANSFORMATION OF DEPRESSIVE INDUSTRIAL TERRITORIES AT A STAGE OF PREDESIGN RESEARCHES

This article is devoted research of directions, possibilities and means of the adaptation of the industrial environment to new socio-cultural and technical and economic conditions. The change of sociocultural, demographic and economic terms, vector on euro integration, change of strategy of state development, dictates new approaches in the architectural design of the former industrial enterprises located within bounds of historical centers of cities.

*Melnyk N.V., Kravchenko A.*

THE PROGRAM OF PARTICIPATION IS IN CONTEXT OF COMPLEX APPROACH

IN ARCHITECTURAL PLANNING

Resume. In the article the features of the program of participation are examined as to the constituent of complex approach in the architectural planning. At the level of raising of problem the basic tasks of sociocultural value, that must decide specialists in the process of planning of objects of architecture and town-planning, *are lighted up*. The aim of authors is research of approaches and design techniques, that allow to satisfy the consumer of the urbanized space.

*Turikova H.N., Zavadskaya O.I.*

STEAMPUNK IN DESIGN ARCHITECTURE

Steampunk in design architecture considers The specifics of the style direction steampunk. Features and the form of its implementation in the architectural environment.

**PART V  
MODERN TECHNOLOGIES AND ENERGY SAVING IN ARCHITECTURE**

*Vasilenko A.B., Novikov M.,*

*Tanirverdiev A.*

ОСНОВИ ФОРМУВАННЯ КОМПЛЕКСУ СВІТЛОФОРМОУТВОРЮЮЧИХ ЗАСОБІВ В АРХІТЕКТУРІ

The study identified methodological bases of forming an integrated light means modern residential architecture. Light reveals the form of the architectural object, creates an image. Architecture becomes a source of artificial illumination using light technology. One of main priorities of work is scientific direction of creation of bioclimatic and ecological architecture. Considers the

problems of effective use of the aesthetic potential of natural and artificial light. The analysis of scientific works distinguished a question - in the process of development of the facade systems of housing building not given necessary value of role of functional formation of form by light. The stream of natural light that has only direction puts the oriented by volume forms in the equal terms of illumination. Natural light is sent to the surface that is illuminated the stream of parallel rays. Every curvilinear surface in every point meets with a stream under other corner. Different luminosity turns out in different points. On a plane will meet with the homogeneous stream of rays sent to her under one corner. A plane will get homogeneous luminosity on all draught. The problem of determination of power parameters of architectural environment, which is needed for optimization of forms of housing building, needs an improvement. The handling of light and shade is the main tool to work with another form of the ancient architect. Today in the architectural planning it is needed: introduction in Ukraine of the European norms, harmonization of national normative base with the norms of the European standards.

***Vitvitskaya E.V.***  
ENERGY RECONSTRUCTION AND  
NEW CONSTRUCTION  
IN THE HISTORICAL CENTER OF  
ODESSA

Various planning solutions building and space-planning solutions allow building without additional costs significantly affect their energy efficiency. This work is devoted to the consideration of these issues at the example of the analysis of reconstruction and new construction of residential buildings in the historic center of Odessa.

***Dmitrieva N.V., Gostrik A.N.***  
ON THE ROLE OF RESTORATION OF  
WATERPROOFING IN BUILDING  
STRUCTURES OF LIMESTONE IN THE  
MONUMENTS OF ARCHITECTURE  
The paper is devoted to importance and need of restoration waterproofing in building

structures of limestone in the monuments of architecture in Odessa city. The paper deals with analysis of innovative technologies restoration waterproofing, waterproofing role in the construction of limestone.

***Paruta V.A., Brynzin E.V.***  
PROBLEMS ARISING UP AT WRONG  
CHOICE OF FACADE DECORATIVELY-  
PROTECTIVE SYSTEMS FOR WALL  
CONSTRUCTIONS

The wrong choice of decoratively-protective coverage worsens heat-insulation properties of wall constructions, it results to the increase of losing a heat, reduction of building longevity. In the article are exposed results of research of influence of properties and, in particular, steam-penetrating of different decoratively-protective materials, on warming and moisting balance of a wall construction.

***Denysenko Iu.N., Sokolova A.V.***  
THE PAST, PRESENT AND FUTURE OF  
ENERGY-SAVING TECHNOLOGIES

The article analyzes the use of energy-saving technologies in the historical past, examines the issues of the wider introduction of innovative technologies for saving energy in modern Ukrainian construction and predicts the development of energy-saving technologies in the future. The publication analyzes the use of energy-saving technologies in the historical past, the possibility of more complete implementation of energy conservation.

***Kucherenko A.A.***  
ABOUT LONGEVITY AND  
RELIABILITY OF POTEMKIN STAIRS  
The Potemkin stairs are a unique architectural monument, operated for a long time in hard conditions of the environment. Carbon dioxide corrosion the supporting stone and limestone cover slabs of pink

granite at low their waterproofing asphalt reduces its durability. A thorough analysis of the condition of building structures. Repair and the subsequent reconstruction currently require a serious approach to the choice of modern construction materials and technology, providing longer and more reliable operation.

**Zakharchuk V., Nakhmurov A.,  
Shyshkalova N., Yurkovskiy R.**

**A GEODESY IS ON COSTING SIGHTS OF  
ARCHITECTURE**

On the walls of the grand architectural monument "Passage", located in the heart of the city, there deformation cracks, that threaten to destroy the old building. Performed geodetic observations not only to quantify the strain, identify their causes, predict further opportunities deformation, but also guaranteed to provide recommendations to take timely action to ensure further trouble-free exploitation "Passage".

**Danchak O.I.**

**MAIN STAGES OF EVOLUTION OF MO-  
DERN POWERLESS ENERGY  
ARCHITECTURE**

The article is sanctified to the exposure of world socially-view values that underlay the earliest stage of creation of all-sufficient settlements of 1960th and their connection with morphology of architectural objects created in the paradigm of the so-called steady development

## **PART VI ARCHITECTURE AND ART EDUCATION**

**Akridina A.V.**

**SUCCESSION OF ICON-PAINTING  
TRADITION**

In the article the establishment of iconographic tradition is discussed with giving examples of professors' and students' works of department of fine arts of Odessa's state academy of building and architecture as the pieces of the contemporary icon painting based on traditional religious painting.

**Snyadovsky Y.A.**

**METHOD OF ORGANIZATION AND  
CONDUCTING STUDENT  
ARCHITECTURAL COMPETITIONS.**

The article examines and analyzes the experience of holding student architectural competitions in Institute of Architecture and Art of OSABA. Their features are indicated. Possibilities for applying this method in the teaching of architects are outlined. Recommendations are given for the further development of competitive activity.

**Valiuk U. P.**

**HISTORY AND DEVELOPMENT OF  
THE TECHNIQUE AND TECHNOLOGY  
OF OIL PAINTING**

The article considers problems of development of oil painting technology in the historical aspect. The identification of the features of the formation and development of oil painting in the history of world art and study of main changes in the technical-technological process of oil painting is necessary for further development of contemporary Fine art.

**Mihova T.V., Bashkatov P.P.**

**FORMATION OF THEORETICAL AND  
PRACTICAL EXPERIENCE OF THE  
STUDENTS IN THE IMAGING  
ARCHITECTURE AND  
ARCHITECTURAL ENVIRONMENT**

The article describes the questions an increase of artistic quality professional future architects preparation and formation of theoretical and practical experience in the depiction of architecture and architectural environment in terms of plein air.

**Bredneva V.P., Perperi A.A.**

COMPETENT APPROACH AT  
TEACHING of DISCIPLINE "ART of  
TYPE" IN ART-ARCHITECTURAL  
EDUCATION

Professional graphical education modern architect must start with the first steps of his training in high school. Discipline "ART FONT" is one of the most important in this sense means that helps future personnel to master the high technique of different styles of font, know the rules and requirements to create a modern font tracks according to the necessary situations that certainly will contribute to success in their creative realization

***Shilov L.G.***

ROLE OF TONE AT CREATION OF  
PICTURE

On the example of analysis of pictures of well-known artists of different epochs distinction of tone and his saturation is examined

***Gerasimova Djavida***

ANALYSIS OF ERGONOMETRIC  
PARAMETERS OF WORKPLACE OF  
ARTIST

The article deals with issues related to the equipment of the artist's work area. Various schemes for placing workplaces in the training workshop are presented, taking into account anthropometric data.

***Potuzhniy N. D.***

MONUMENTAL PAINTING AND ITS  
TASKS IN MODERN ARCHITECTURE

This article raises questions about the synthesis of monumental art and architecture, the history of the development of monumental art. It reveals the state of contemporary monumental art and the importance of artists-muralists and shows the necessity of development of monumental art nowadays.