

SUMMARY

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A BRIEF INTRODUCTION TO THE ARCHITECTONICS OF THE ARRANGEMENT OF THE HUMAN ENVIRONMENT. PART II

Architecture is significant evidence of human presence in the world with all of the vast implications and effect upon with arrangement of the space we live in. The definition of space is one of the most difficult questions, the answer to which is fundamentally directs the life's organisation in the human community. The article proposes to understand the authors' musings on these issues.

Keywords: architecture, space, construction and operation.

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SCIENCE FICTION AND PHILOSOPHY OF K. CHAPEK'S LITERARY CREATIVE WORK, IN IMAGES OF DESIGN OBJECTS, PRESENTED BY THE PARURE «SALAMANDRA»

In this paper, we consider modern methods of creating images of design objects, represented by visual cognitive information dynamic systems, in the application to designing jewelry, based on the results of research by the linguistic-combinatorial method.

Keywords: Jewelry items, visual cognitive information dynamic systems, information technology, post-non-classical research methodology.

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STYLE TRENDS IN MODERN JEWELRY ART

In the article we reviewed the historical styles of art, identified their main characteristics. The definition of style in art is given. We have analyzed the main current trends in the jewelry industry. The classification of modern jewelry with respect to design decisions, weight, price definition and consumer demand is presented. The dynamics of the influence of fashion on the design and purpose of jewelry regarding fashionable changes in clothing, on the technology of manufacturing products and materials (metals and stones) are also traced.

Keywords: style directions, art styles, modern tendencies, design, beauty, jewelry, eclecticism.

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FUNCTIONAL CLOTHES FOR BREASTFEEDING: PERSONALISTIC AND ORIENTED APPROACH

The article is devoted to the development of functional clothing for breastfeeding, which today requires the improvement of forms and design methods. It has been established that lactating women face some problems that negatively affect the popularization of the breastfeeding idea. Female models for feeding, which are produced in limited quantities, are often deprived of convenience and functionality. Therefore, the creation of clothing for breastfeeding is a pressing problem that combines the solution of artistic and technical problems. Presented in the work of the author's innovative, useful designs allow you to carry out a variety of design ideas in addressing issues with breastfeeding.

Keywords: design, modeling, utility model of clothes, patent, clothing for breastfeeding, authoring.

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FEATURES OF THE ARTISTIC IMAGE IN THE GRAPHIC POSTER

The history of appearance and development of poster graphics is explored. Attention is paid to the features of the composition, the visual and stylistic characteristics of the poster.

Keywords: graphics, poster, composition, font, artistic image, applied graphics.

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LIGHT INTERIOR DESIGN: TRADITION AND MODERNITY

Abstract: the issues of visual comfort in interior design, ensuring the conditions for the implementation of effective activities and improving the quality of human life are Considered. The article demonstrates the design concept of the light scenario of the ceiling lamp of combined lighting with the effect of the illusion of the dome ceiling in the living space by means of light using the method of simulation.

Keywords: dome ceiling in the interior, natural light, artificial lighting, led lamp.

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UDC 74

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CREATING AN IMAGE OF PARJURY IN WEST-EUROPEAN GOTHIC RETROSPECT, REPRESENTED BY VISUAL COGNITIVE DYNAMIC INFORMATION SYSTEM (VKIDS) HYBRIDIZATION-BASED COMPOSITE SOLUTIONS OF GERMAN ARCHITECTURE AND FRENCH LITERATURE

When designing images of objects design with universal properties, retro-art styles such as neo-Gothic, used innovative solutions in the field of technology of decorative treatment of materials that allow you to implement hybridization of types of creativity applied rationally and emotionally-artistic patterns in cognitive domain modeling design objects within a multidisciplinary approach in practice-NBIC convergence.

Keywords: design, jewellery, hybridization, neo-Gothic, universal Visual cognitive dynamic information system (UVKIDS).

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ELABORATION OF THE NEW TREND SCHOOL COSTUME

The article describes the result of a study of the problem of the attitude of students to school uniforms. On the basis of the study, a “model” of a school suit was developed, which made it possible to create specific variants of school uniform for schools, participants in the experiment.

Keywords: the law on education, school uniform, questioning, the psychology of color, the “model” of school uniform, the recommendations of the Ministry of Education.

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UDC 37.041

I. N. Safronova, T. V. Balland

Saint-Petersburg state University Industrial Technology and Design

INNOVATIVE TECHNOLOGIES — THE BASIS OF DEVELOPMENT FASHION DESIGN IN THE XXI CENTURY

The work is devoted to the study of innovative technologies and materials in the field of clothing. The article deals with the emergence of innovations and some aspects of their impact on the formation of modern costumes for various purposes.

Keywords: innovative technologies, smart clothes, light design, properties of materials.

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UDC 671.121.5

M. A. Fedotova, O. P. Petrov, F. D. Egorov, P. V. Kornilov, N. E. Pesterev

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OVAL SHAPE CUT FOR MOISSANITE

In order to cut a stone to sparkle it is necessary when cutting it to follow the optimal parameters that are vari-ous for different types of stones. In this paper a method for determining the angle of the crown of an oval shape for a jewelry insert made of moissanite is proposed.

Keywords: gem, jewelry insert, moissanite, shape and type of cut, oval cut, density, cut parameters, crown angle.

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UDC 671.15

K. S. Ponomareva, L. T. Zhukova

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RESEARCH OF ROUGHNESS OF THE SURFACE OF THE STONE MATERIAL

Fracture, as the final stage of processing the surface of the product, is the most important stage of material processing, due to which the object acquires a final look and is aesthetically assessed by the consumer. To ensure a factured surface, it is necessary to competently make the choice of finishing methodology. The article presents data on the technology and tools for made fracture on surface of chalcedony in the jewelry industry, as well as materials for quantitative analysis of the data obtained.

Keywords: stone, technology, fracture, design, jewelry art.

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UDC 677.026.2: 687.1

INFLUENCE OF TECHNOLOGICAL FACTORS ON CONSUMER PROPERTIES OF FELT CLOTHES

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The article is devoted to the study of the influence of technological factors of hand-held felting, including the

type and quality of the used fibrous raw material and the way of layout, on the consumer properties of felt clothing. In this paper, it is shown that the variation of these factors ensures the possibility of designing felted garments of various assortments and a diverse volume-silhouette shape with predetermined aesthetic and performance properties.

Keywords: Hand-held felting, felt clothing, consumer properties, technological factors, fibrous raw materials, way of layout.

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UDC 74.01/.09

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USE OF BIONIC FORM FORMATION IN DESIGN OF TEXTILE ACCESSORIES

Theoretical and experimental research in the field of design of modern costume accessories created with the use of bionic shaping has been carried out. Using textiles techniques were received invoices imitating natural objects. An example of the use of bionic shaping in the creative practice of textile designers is given.

Keywords: textiles, bionic form, plastic modeling, costume accessories.

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UDC 687.122

**E. V. Lunina, I. A. Petrosova,
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M. V. Makarevich**

Russian State University named after A. N. Kosygin
(Technologies. Design. Fine art)

THE IMPORTANCE OF THE NEW ANTHROPO-DYNAMICAL STUDIES OF THE POPULATION OF RUSSIA

The article presents substantiation of the relevance of the new large-scale anthropo-dynamical researches. In order to facilitate the process of human figure measuring, improve the accuracy of obtained data and eliminate errors of contact measurements, a method of human figure studying with the usage of 3D scanning system with Microsoft Kinect sensor was developed. The practical use of developed method is demonstrated by the example of school-age children measuring.

Keywords: anthropology, dynamic changes, human figure, dimensional measurements.

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UDC 621.74

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Yu. A. Boyko**

MIREA — Russian technological university

ON INTERRELATION OF CASTINGS MANUFACTURING TECHNOLOGIES AND THEIR INTERNAL STRUCTURE WITH EXTERNAL DESIGN OF PRODUCTS

This article is devoted to analyzing the selection of molding sands with different heat storage and heat-conducting capacity. The influence of structure on the appearance of a product is shown.

Keywords: design, structure, casting, optical properties.

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UDC 667.7+661.8

Yu. A. Boyko, E. P. Dragynova

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EFFECT OF BINDER ON THE OPTICAL PROPERTIES OF DECORATIVE PAINTS

This article describes and analyzes the refraction indicators of pigments and binders that are used in the production of different types of artists paints and makes recommendations to improve optical properties of paints.

Keywords: art paint, types of decorative paints, pigments, binder, optical properties.

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UDC 7.048:677 (075.8)

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THE KNITTED GOODS AS SOUVENIRS INSPIRED BY THE PETROGLYPHES OF THE NORTH OF RUSSIA

The petroglyphes of the North of Russia were analysed as objects of a designer's inspiration for souvenirs of casual and memorial application. The interest to pre-historic art of the region of the Onega lake and the White sea is shown. A computer aided approach to the design of the machine knitted goods is recommended.

Keywords: knitting, petroglyph, souvenir, Onega lake, White sea.

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UDC 7.046.3

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THE TOPIC OF CHRISTMAS IN THE WORKS OF THE NOVGOROD ARTIST-JEWELLER VLADIMIR MICHAILOV

The article presents the works of the Novgorod artist-jeweller Vladimir Michailov devoted to Christmas. Considered in the article are the interior decoration «The Christmas bell», panagia «Christmas» and a triptych «The Christmas cave». Shown also is a general approach to solving the problem of interpretation of Christmas idea.

Keywords: jewelry, christian holidays, triptych, panagia.

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UDC 74

V. L. Zhukov, A. O. Pechenkina

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SOCIAL AND CULTURAL DEVELOPMENT OF AXIOLOGICAL ASPECTS OF WORKS OF RUSSIAN CHARACTERS IN CREATING IMAGES OF DESIGN OBJECTS PRESENTED BY THE PARURER «SNOW MASK»

In this article, we consider modern methods of creating images of design objects represented by visual cognitive information dynamic systems, in the application to designing jewelry, based on the results of research by the linguistic-combinatorial method.

Keywords: Jewelry, visual cognitive information dynamic systems, information technologies, post-non-classical research methodology, anthropological design.

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UDC 744 (075.8)

I. B. Abbasov, V. V. Orekhov

South Federal University,
Engineering Technological AcademyDESIGN THE SALON INTERIOR
OF EKRAANOPLANE

The work is devoted to the conceptual design of the passenger cabin interior of the ekranoplan (WIG Craft). In the work sketch drawings are presented, step-by-step three-

dimensional modeling of the interior of the ekranoplan is carried out. For modeling, the polygonal extrusion method is used, the layout of the passenger compartment is taken into account, taking into account ergonomic norms. The stages of modeling the passenger seat, the creation and assignment of materials during the shading of the scene, the characteristics of the lighting sources, the features of the rendering process are discussed in detail.

Keywords: ekranoplan, conceptual modeling, salon layout, polygonal extrusion method, ergonomics, passenger seat, creation and assignment of materials, lighting installation, rendering.

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