

Summary

I. B. Kuzmina

Saint-Petersburg State University of Technology and Design

ARTIST-TEACHER VASILYI ILYICH SUWOROV AND HIS SCHOOL

In the article are examined creative biography, teaching activity and basic moments of the school of most talented artist-teacher Suvorov Vasilyi Ilyich (1902–1991), the instructor LHSIA of V. I. Mukhina (St. Petersburg artistic-industrial academy of A. L. Shtiglitz) and the artistic leader of the people artstudio of amateurish creation in the Leningrad house of medical workers.

Keywords: Artist-teacher Suvorov Vasilyi Ilyich, the school of Suvorov, the departments of the figure of St. Petersburg artistic-industrial academy of A. L. Shtiglitz (LHSIA of V. I. Mukhina), people artstudio of amateurish creation in the Leningrad house of medical workers, tone in the figure and the art.

K. S. Ivshin

Udmurt State University

PRINCIPLES OF FORMING THE POLYMERIC STRUCTURE OF MINI VEHICLE

The paper developed methodological foundations forming polymer structure in the design of small-sized vehicles.

Keywords: design, polymeric structure, transport, technology.

A. M. Ignatova, M. M. Chernih

Perm National Research Polytechnical University; The Izhevsk State Technical University of M. T. Kalashnikov

AESTHETICS IMAGES STRUCTURE OF MATERIALS AT THE MACRO -, MICRO- AND NANOSIZE IN THE CREATIVITY AND SCIENCE ON THE EXAMPLE OF SYNTHETIC MINERAL ALLOYS

The basic principles of image perception of micro, macro and nano structure materials as aesthetic. Described techniques that allow to use these images in the work directly and indirectly. Identified areas of creativity using scientific images as art medium. Found that aesthetic perception is valuable not only in the works, but also can be used as a tool of scientific knowledge.

Keywords: structure, photos, photo research, treatment, promotion

I. B. Abbasov

Institute of Technology of the Southern Federal University, Taganrog

CONCEPTUAL MODEL OF AIRCRAFT «CHIROPTERA»

Article devoted to the conceptual modeling of the new aircraft on the basis of the bionic forms. Presented search visual graphics decisions developed model. Under sketches, three-dimensional modeling of constructive parts of the aircraft is carried. For modeling three-dimensional surfaces using a method Koons. Rendering of scenes the three-dimensional shaded model aircraft is presented.

Keywords: conceptual model, bionics, flying chiropters, Coons surface, three-dimensional model of the aircraft, shading and rendering.

A. Yu. Moskvin

Saint-Petersburg State University of Technology and Design

ANALYSIS OF THE PRACTICE OF HISTORICAL CUT ADAPTIVE APPLICATION IN MODERN CLOTHING COLLECTIONS

The article deals with the modern fashion collections for use in products of elements of the historical cut. Revealed levels of adaptation to the historical design elements with modern fashion designs. The frequency of occurrence of cutting elements of different eras in the collections of clothes 2005–2013 years.

Keywords: adaptation of a cut, the historic cutting, collection of clothing, clothing design, contemporary designers.

V. L. Zhukov, V. I. Poljakov, V. A. Hmuznikova

Saint-Petersburg State University of Technology and Design

RESEARCH OF VISUAL INFORMATION SYSTEMS AND MODULES IN SUBJECT DOMAIN OBJECTS OF THE DESIGN PRESENTED BY THE CLUSTER OF SMALL ARCHITECTURAL PLASTICITY

This paper studies the modern methods of systematization design objects presented by visual information modules and systems in small architectural plasticity based on the concept of modeling image of the object design.

Keywords: small architectural plasticity, visual information systems and modules, information technologies, design.

D. A. Galun

Moscow State University Design and technology

THEORY OF DESIGN AND VISUAL MERCHANDISING

Basic provisions of the theory of design as bases of a visual merchandising are considered. The main components of art and figurative modeling of the subject environment are defined.

Keywords: visual presentation, design, figure, background, form, the space included in design.

N. I. Natus, L. T. Zhukova

Saint-Petersburg University of Technology and Design

RESEARCH OF EXPERIENCE OF INTRODUCTION OF NEW TECHNOLOGIES OF THE OUTDOOR ADVERTISING IN SANKT-PETERBURGE, DESIGN WORKINGS OUT AND KINDS OF CARRIERS, PRACTICE OF THEIR PLACING

In article experience of introduction of new technologies of the outdoor advertising in St.-Petersburg and revealings of architecturally-art conformity concerning the town-planning environment of St.-Petersburg is considered.

Keywords: the outdoor advertising, aesthetic perception, a composition, harmony.

M. M. Chernyh, I. Y. Pronina, B. Y. Benderski

The Izhevsk State Technical University of M. T. Kalashnikov

RESEARCH GOFROOBRAZOVANIYA STEKLOIZDELY WHEN MOLDING ON THE PUNCH

Characteristic stages of molding on a punch of round preparations from sheet glass are considered. The analysis is carried out by a method of an expert assessment of decorative effect of a form of products. Influence of a form and the amount of preparation and punch on a form of received products is shown.

Keywords: glass, aesthetic evaluation, molding, form for bending.

T. V. Shangina, M. I. Zemtsov

Vyatka State University, Kirov

INCREASE OF HEIGHT OF RELIEF OF ITEMS OF BIRCH BARK BY METHODS OF ADDITIONAL PROCESSING

The article tells about results of research of influence of additional processing (boiling) of birch bark in relief height of items made of this material. The authors research dependence of plastic properties of birch bark on technological conditions of processing, one gives recommendations to his choice. One also researches the influence of additional processing on strength properties of birch bark.

Key words: birchbark, boiling, relief, plasticity, strength.

G. I. Legezina, E. B. Chagaeva

Saint-Petersburg State University of Technology and Design

STUDY PARAMETERS FOR THE FORMATION OF KNITTED FABRICS USING THE METHOD STRATIFICATION

The article deals with the formation parameters of knitted fabrics — the length of the thread in a loop in the development of knitted fabrics. The article states that the resulting values of this indicator does not reflect the true picture of the quality of produced knitwear. Stratification method reveals not only the deviation in the process, and bring it into a stable, controlled state, thus providing a specified quality.

Keywords: stratification, the strands of the loop filament diameter in the range of frequency of occurrence, kulimye weave.

V. N. Galashina, N. S. Dymnikova, P. A. Moryganov, L. A. Bratchenja, N. P. Esenkova

Institute of chemistry of solutions of G. A. Krestov of the Russian Academy of Sciences, Ivanovo; Research Institute of Nonwoven Fabrics, Serpukhov

ECONOMICAL WAY TO OBTAINING BIOPROTECTED FLAX FIBER FOR NONWOVENS WITH SPECIAL PROPERTIES

The possibility of obtaining bioprotected flax fiber using line dosed application of preparations to a pulp for the subsequent manufacture of non-woven flax-containing materials with special functionalities is shown.

Keywords: flax, a line of application dosed reagents, pulp, biologically active agents, non-woven materials.

O. V. Trofimova, A. N. Slizkov, A. O. Potapov

Kyiv National University of Technologies and Design

REFINE THE PARAMETERS OF RESONANCE METHOD OF EVALUATING THE STRUCTURE FIBER PRODUCTS

Dielectric properties of polymers are analysed in different fibres. Influence of moisture is certain on the change of dielectric properties of fibre. Working frequency of resonance device is certain for determination of properties of textile materials, which is equal 800 Mhz.

Keywords: inductivity of fibres, resonance device, textile materials.

B. M. Primachenko

Saint-Petersburg State University of Technology and Design

WEAVING TECHNOLOGICAL PROCESSES RESEARCH FOR FABRICS OF POLYETHYLENETEREPHTHALATE THREADS

Presents research of weaving technological processes. Determined tensile forces of warp and weft yarn in process of fabric forming. The dependences tensile force of yarn

■ summary

with technological parameters of weaving. The researches may be used for predicting of structural parameters and strength characteristics for industrial fabrics.

Keywords: Fabric, Process of forming, PET thread, Tensile force.

V. L. Zhukov, V. A. Hmuznikova

Saint-Petersburg State University of Technology and Design

INTERIORS BASED ON «FLOWING SPACE» WITH FIREPLACE-LAMP AS A COMPOSITIONAL CENTER

In this project researches was done based on studies about design attributes, presented by interiors and exteriors of habited country construction. Décor elements are designed with functional and light composite center of a country house.

Keywords: interior, artistic and aesthetic space, the subject area of design, fireplace-lamp, neoplasticism.

Y. V. Goncharova, M. L. Sokolova, P. B. Kylinich

Moscow State University Instrument Making and Informatics

SOME DIFFERENT FINISHES IN RESTORATION SHELLAC VARNISH

In this paper, the technology of furniture finish in the last stage of its restoration with shellac varnish. Shellac varnish is a solution of shellac in ethanol. Original results were obtained mixing shellac varnish using different varieties of shellac. And are given a number of recommendations that will be useful to practitioners furniture restorers.

Keywords: shellac varnish; swab; fraction; coat; cerchik, polishing, lacquer layer, the result of blending, decorative effects.

S. B. Yazyeva P. B. Kylinich Y. V. Goncharova

Rostov State Construction University; Moscow State University Instrument Making and Informatics

INFLUENCE ON SCREEN INTERNAL CIRCUIT DESIGN SURFACE PRODUCTS IN VACUUM FILM CASTING

The article provides an overview of various metal casting technologies and more detailed technology of vacuum-tape casting in sand and clay molds, its main stages and selected technology advantage over other traditional methods of casting. One of the basic materials for forming the design pattern is a film. This article describes what determines choice of films for the inner and outer contour mold, and what factors influence the criteria for its selection.

Keywords: design pattern, technology, vacuum molding a film, a film shape, mold.

S. B. Yazyeva, P. B. Kylinich, Y. V. Goncharova

Rostov State Construction University; Moscow State University Instrument Making and Informatics

TECHNOLOGY AND NEW CONSTRUCTION DRAWING TECHNIQUES OF WIRE WEAVING

The paper proposes a new technique of weaving wire with wax gun. The main steps of the traditional method of wire drawing and weaving options. We propose a modernized version of a patented wax gun.

Keywords: drawing; wax gun.

V. M. Dobroshtan

Saint-Petersburg State University of Technology and Design

DISPLAY THE HISTORY OF NAVAL FORCES OF RUSSIA IN ARCHITECTURE AND SCULPTURE

The article analyses the display outstanding episodes from the life of the Russian Navy in a number of author's works of architects, sculptors, artist-medallist. Special attention is paid to the works of S. I. Chevakin, B. Rastrelli, A. D. Zakharov, L. V. Sherwood, F. F. Shchedrin and others.

Keywords: architectural art, the art of medals, sea sculpture, monument of marine glory, the sea Cathedral.

S. V. Mirzoyan

Saint-Petersburg State Art and Industrial Academy of A. L. Shtiglits

MASTER

This article refers to J. A. Vaks, founder of first director of Leningrad Architectural Design College (known as LHU), upon whose initiative, supported by N. V. Baranov, Chief Architect of Leningrad, LHU was created in 1943. This is the story of the years of study in the Academy of Fine Arts, in the studio of I. A. Fomin, as well as about his work as teacher in Leningrad Ballet School.

Keywords: Leningrad Architectural Design College, J. A. Vaks, G. A. Kosyakov, I. A. Fomin, L. N. Benoit, George Balanchine (G. Balanchivadze), F. I. Chaliapin.

I. I. Orlov

Lipetsk state technical university

THE PROBLEMS THEORETICAL CONCEPTS OF «BAZENOV GOTHIC» CHURCHED IN VESHELOVKA (LIPETSK) XVIII C. AND OCCITANY GOTHIC CHURCHED (SOUTH FRANCE) XIII-XIV

The author analyzed the theoretical concepts, construction and character of church in South France (Occitany) and «Bazenovs gothic» (Russian Orthodox church) of Lipetsk in the period of XVIII century. In rich

amendments to the article the author describes social-ideological context of the period of church construction and character.

Keywords: V. I. Bazenov, gothic church, gothic of South France (Occitany), Church, theoretical concept, construction, idea, creative concept. «franc-maison».

O. A. Pechurina, U. P. Geltouhov

Saint-Petersburg State University of Technology and Design

SPINDLES MESOLITHIC: RECONSTRUCTION

The article tells about the reconstruction of the Mesolithic spindles and spinning on them. Results of this experiment are analyzed.

Keywords: thread, spindle, rolling pin, Mesolith, reconstruction, spinning.

M. A. Nesterova

Saint-Petersburg State University Cinema and Television

EXPERIMENTAL FASHION DESIGN IN THE FIRST THIRD XX CENTURY

This article focuses on various approaches in fashion to create, develop and promote a new simple, easy to wear, hygienic, and industrial clothing that would meet requirements of people in the Post World war and Revolution reality.

Keywords: tuta, prozodezhda, soviet costume, fashion of the 1920s, Russian constructivism.

T. V. Kovaleva

Saint-Petersburg state art and industrial academy of A. L. Shtiglits; Saint-Petersburg State University of Technology and Design

APARTMENTS OLD PETERSBURG: CARING FOR COMFORT

The article considers the architectural and planning organization flats tenements ordinary urban beginning of the XX century, the example of the specific addresses of old St. Petersburg, reveals the typical features of the composition of the plan. As a functional component of the architectural composition as a whole stand out individual items of equipment of the apartments.

Keywords: history of interior design, apartment building, architectural composition apartment.

V. I. Pimenov, O. V. Kofnov

Saint-Petersburg State University of Technology and Design

USING SPHERICAL HARMONICS TO DESCRIBE COMPLEX SHAPES OF OBJECTS

The method of analytical description of the shape of objects based on measurements made with the spherical harmonics. The method allows to select a function, which is defined on the sphere. For instance, shoe lasts are chosen to show that the method can be used for the representation of complex geometric surfaces. The plot of the surface is shown as a sum of spherical harmonics. Surface points of the real boot-tree are used. Therefore the boot-tree surface function is determined and the calculated cross-section is compared with a real boot-tree cross-section.

Keywords: spherical function, legendre polynomial, 3D-modeling, object surface, shoe block, milling machine.

Y. A. Golovchanska, M. V. Kolosnichenko

Kyiv National University of Technologies and Design

DEVELOPMENT OF INFORMATION DATABASE FOR AUTOMATED FORMING IMAGES OF THE MODELS OF CLOTHES

The paper presents the results of the study to improve database for automated imaging models using an expert system that allows compliance with the instructions of the generated models of solutions to reduce the technical work of the designer, to improve communication between professionals in market research, design and preparation of design models into production.

Keywords: design of clothing, sketches of clothes, an expert system design methods, automation.

I. V. Ilyinsky, D. V. Shcherbakova

Saint-Petersburg State University of Technology and Design

ECONOMIC PROBLEMS OF IMPROVEMENT OF THE MECHANISM FOR MOTIVATING EMPLOYEES OF THE BUDGET SPHERE

This article describes a new system of remuneration of educators. Disclosed the concept of «personnel management», «management practices». Material incentives as the main form of economic impact on staff, presented a new system of payroll. In the calculation is based on a significant increase in the stock of incentive payments.

Keywords: personnel management, economic management practices, incentives, wage system.