

SUMMARY

UDC 378.147

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TECHNOLOGICAL COMPONENT OF THE MAIN EDUCATION PROGRAMS OF BACHELORS AND MASTERS IN THE “TECHNOLOGY OF ART PROCESSING OF MATERIALS” DIRECTION

Interrelation aspects of bachelors and masters education of artistic and industrial products processing technologies were considered in the article. And also, approaches of choosing technologies and technological processes designing of automated production were shown.

Keywords: products, technological process, ways of forming, classification, an automated production, three-dimensional press, an educational standard, competences.

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UDC 37

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EVALUATION OF BASIC COMPETENCIES APPLICANTS IN THE SELECTION OF A MASTER'S DEGREE ON THE SUBJECT “DESIGN (GRAPHIC DESIGN),” USING TECHNOLOGY CASE STUDY

The article considers for example, St. Petersburg State University of Productive technology and Design the possibility of application in the process of selection of entrants in a magistracy on the subject “Design (graphic design), with the use of technology case study, as a key tool used to estimate received, applicants competences in the train-

ing programs of preparation of bachelors and identification of applicants applying for admission to the magistracy of professional qualities.

Keywords: education, magistracy, case study, competence, professional quality.

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UDC 7.01

S. V. Mirzoyan

The St. Petersburg state art and industrial academy of A. L. Shtiglits

PERSPECTIVE OF THE PROJECT SITUATION AND DIZAYN-PROEKTIROVANIYA METHODS

It is told about use on chair of industrial design of a new technique in educational process which radically broke a stereotype of output of the course job for personal execution, entering a method of collective operation over course and degree projects, as design — a profession collective. The question of need to approach programs of the academic disciplines (“Figure”, “Painting”, “History of universal art”, “History of applied art”, “Design history”) to requirements of training of designers is raised.

Keywords: VHUTEMAS (Higher art and technical workshops), P. A. Florensky, LHAIS (Leningrad Higher Art and Industrial School), CSTD (Central School of Technical Drawing), AURIIA (All-Union Research Institute of an Industrial Art).

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UDC 658.512.23

A. P. Toporkova, V. U. Radchenko

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MODERN CONCEPT OF THE FUTURE DESIGN IN EDUCATIONAL PROCESS THE SPECIALITY INDUSTRIAL DESIGN

The article is dedicated principles and foundations of the modern directions of design activity in various spheres of society, and the relevance of the introduction the means and methods of forecasting in the learning process in specialty industrial design in higher education.

Keywords: design, engineering, future design, forecasting, methodology, technology.

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UDC 7.02

V. L. Zhukov, N. V. Denisova

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TO PROBLEMS OF COGNITIVE SIMULATION IN PROYEKTIROVNIYA AND RESEARCH OF VISUAL INFORMATION SYSTEMS AND MODULES OF SMALL ARCHITECTURAL PLASTICS IN INTERIORS AND EXTERIORS WITH THE COMPOSITION CENTRE PROVIDED BY TIME GAGES ON THE BASIS OF NBIC-KONVERGENTSIY

Shows the need for and relevance of the design of the cluster of Visual information modules and systems

■ Summary

in small architectural plastics, provided by means of a time dimension, improving existing and developing new methods and algorithms design and research of spatial-environmental design information objects in the group. At the NBIS is based on konvergenci, which implement the elevatsionny analysis, system and object-oriented approach and their correlation with the man via his perception, as well as identification of design patterns and new principles of harmony in a single material and information space.

Keywords: visual information systems, cluster, NBIC-convergences, small architectural plastics, time gages, elevatsionny analysis.

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DESIGN OF A MUSEUM EXPOSITION AS AN ELEMENT OF INTER-CULTURAL COMMUNICATION

The article considers some solutions offered for the design of the museum exposition “The Smolensk Land in the first half of the 13th century to the second half of the 17th century” as components of communicative design and inter-cultural communication.

Keywords: museum design, design of visual communications, design-projecting, inter-cultural communication.

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USING OF THE LINEAR-GRAPHIC COMPOSITION IN THE DIFFERENT FIELDS OF DESIGN, MISSONI DESIGN

The paper is devoted to the problem of the linear — graphic composition and it's applications in design of knits. The Mission's works and possibilities of different applications of his zig-zag patterns are analyzed.

Keywords: linear — graphic composition, knitting fabric, pattern of Missoni, zig-zag pattern, graphic design, fashion design, product design, interior design.

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UDC 658.5.011**O. V. Okunskaya, N. N. Sotnikov**

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CONCEPT OF THE DEVICE AND DESIGN OF THE ENVIRONMENT OF AUTOMATIC SERVICE OF THE CLIENT

The implementation method of the machine gun of fast service of the client is offered; the method of functioning of such machine is provided.

Keywords: machine, client, food, speed, service.

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UDK 7.02**V. L. Zhukov¹, M. V. Nikitina¹, S. V. Nikolenko¹, D. V. Solov'jov²**¹ St. Petersburg State University of technology and design² St. Petersburg national research university of information technologies, mechanics and optics**INTERDISCIPLINARY STUDIES IN DESIGN OBJECTS DESIGNED WITH ELECTRICAL ACTUATORS**

When designing objects of design in modern artistic styles used innovative solutions in the field of electronics, optics, information technology, electrical engineering, to implement the hybridization of creativity-intentional cognitive and spontaneous emotional and multidisciplinary approach in the practice of NBIC-convergence.

Keywords: design, Visual information systems, electrical actuators, stepping motors, emotional style.

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UDC 677.075.54**I. V. Abakumova¹, S. V. Makarenko²**¹ Amur State University² St. Petersburg State University of Technology and Design**INVESTIGATION OF THE PROPERTIES OF THE SOCKS KNITTED BY A NEW KIND OF YARN**

The paper is devoted to the application of bamboo yarn for hosiery. The bamboo socks were tested to find out the main hygienic, mechanical and antibacterial characteristics. The obtained data showed that the bamboo socks are much better than traditional cotton hosiery. The new socks can be recommended for people with diseases of the foot mycoses and for sportsmen.

Keywords: bamboo, hosiery, shrinkage, extensibility, resistance to abrasion, hygroscopicity, antibacterial characteristics.

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UDK 7.02

**T. Y. Jeltoukhova, L. T. Jukova,
E. S. Tsobkallo, O. A. Moskaluk**

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**RESEARCHING A TENSILE STRENGTH
AND PLASTICITY OF FRACTIONAL
MINERAL COMPOSITIONS**

Installed the dependence of strength and relative elongation a mineral composite at tensile from percent content of filling and fractional size. Considered the conditionality of receiving a durable mineral covering for creating design objects.

Keywords: fractional compositions, strength properties, polymeric binding, mechanical qualities.

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**INVESTIGATION OF CARBONIZATION
PROCESS COMPOSITES FILLED WITH
CARBON NANOPARTICLES**

It is shown that in the system for nanocomposites <carbon; polyacrylonitrile> there is a significant decrease in speed of thermal destruction and abnormal increase in the yield of carbonized residue with increased concentrations of carbon black, in contrast to systems <carbon; polyoxadiazole> and <carbon black; rayon>.

Keywords: carbonization, carbon black, polyacrylonitrile, yield of carbonized residue.

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**THEORETIC PREDICTION
AND EXPERIMENTAL RESEARCH
OF STRUCTURE PARAMETERS
FOR FABRICS OF DIFFERENT RAW
MATERIAL YARNS AND THREADS**

Presents results of prediction of structure parameters for cotton, cotton-flax and polyester fabrics in terms of mechanic-analytical model of fabric structure. Experimental research showed desired precision of structure prediction for fabrics of different raw material and purpose in according to develop model.

Keywords: model, prediction, experiment, structure, fabric.

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THE STYLISTIC FEATURES OF ART DECO ARCHITECTURE: FROM THE AMERICAN SKYSCRAPERS TO STALIN'S EMPIRE

The development of the Art Deco style is analyzed in the paper. The research of basic stylistic devices in architecture and design of art deco is conducted. The relationship of American skyscrapers of the 1920s — 1930s with architecture of «Stalin's Empire» is considered.

Keywords: architecture, style, art deco, design, skyscrapers, Stalin's empire.

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UDC 687.12

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DEVELOPMENT OF CLASSIFICATION OF WOMAN BUSINESS SUITE. HISTORICAL PERSPECTIVE

The article includes a classification of woman business suite basing on the historical facts analysis of female business suite's origin and development.

Keywords: woman business suite, prototypes of woman suite, profession, professional clothes, corporate clothe and clothe for education; clothe indicating rank and status; classification of woman business suite.

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COLOUR IN TEXTILE. PAST AND PRESENT

Article represents attempt of the reference to history dyeing business and judgements of separate problems of colouration of the textile products connected with color-fastness and strength of a yarn. Data on light-fastness of colourings of natural dyes received with use and mechanisms of a light-sensitiv and light-stabilization colourings, conservation of the information on colour of tapestries.

Keywords: history of textile, dyeing, colour, natural dyes, color-fastness, tapestries.

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THE LOGIC OF THE DEVELOPMENT AND MAKING OF THE ARTISTIC DESIGN

The analysis of the causes of artistic design based on conventional logic description of the history of development of human society. Examines the causes of the alienation of producing activity from human culture, filled with the values and norms of life. Considered typical of the transitional periods of history, the relationship between culture and civilization, which have a significant impact on the creativity of the designer.

Keywords: design, aesthetics, artistic design, aesthetic values, culture, civilization.

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THE EXPERIENCE OF THE CREATING EVENKY'S PERFORMANCE COSTUME'S

In this article there is an experience of the creating folk Evenkys' costumes to use them in the cultural events, traditional celebrations and the religion mysteries of village Ivanovskoe, Selemginski district, Amur's region.

Keywords: Evenkys, culture, traditional Evenky's costume, performance costume, Children's choreographic ensemble "Dugeldyn".

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UDC 7.072.5

S. V. Krivondenchenkov

St. Petersburg State University of Technology and Design Technological, informational and stylistic methods in Russian painting researches

This article studies peculiarities of the integrated research of Russian landscape art works of the II half of XVIII century. Structured materials, signatures, types of images and other characteristics of landscape genre paintings are analyzed.

Keywords: integrated research, painting technology, genre typology, Russian landscape.

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“MAY POLE”: WEAVING TECHNOLOGY IN RITUAL DANCE

The article analyzes the symbolism of ethnographic dances, games, and rituals which reproduce labor processes of weaving.

Keywords: dance, weaving, technology, ritual, “May pole”.

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UDC 711

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ABOUT IDEA OF CREATION OF THE DOMESTIC PROGRAM COMPLEX OF DIGITAL GRAPHIC SIMULATION IN THE CONTEXT OF IMPORT SUBSTITUTION STRATEGY

The import substitution problem in the sphere of IT technologies, in particular, in practice of visual simulation in design process of objects of design is considered. The author explains idea of creation of a domestic multi-functional program complex for visual simulation as actual alternative to foreign analogs.

Keywords: digital visual simulation, design design, technological sovereignty, IT industry, innovative environment, development of domestic IT technologies, single system of innovative IT upgrade.

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