

Machine Building and Engineering

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Evaluating the Effectiveness of Using the Upgraded Sieveless Hammer Mill

Keywords: sieveless hammer mill; grinding unit; circumferential velocity; specific energy consumption.

page 7-10

Abstract: The article discusses the design of a hammer mill with a multi-faceted body and reflective plates with a combined area of loading and unloading. The experimental studies allowed determining the optimum tip speed of hammers and by comparing the energy indicators to conclude that the effectiveness of its work is compared to a hammer mill DB-5.

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The Study of Territorial Features of the Transport System in the Republic of Tuva

Keywords: road transport; rail transport; air transport; water (river) transport; transport system.

page 11-14

Abstract: The study of the territorial characteristics of the transport system in the Republic of Tuva identified the main directions for the development of transport.

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Determination of Contact Points of Epicyclic Roller Drive Threaded Parts

Keywords: roller drive; point of contact; threaded roller; actuator.

page 15-22

Abstract: The article traces the analytical method for determining the screw threaded surface initial contact points of roller drive. The method is based on the application of gearing theory tool. As an example, the definition of contact points of the straight thread profiled screw and nut and the roller drive thread profile modified by arbitrary radius circle arc is shown. The method is implemented as the software developed in the Microsoft Visual C++ 6.0 environment. The results have been used in automated epicyclic roller drive design system.

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Thermal Calculations of Microclimate Parameters inside the Cabin of VAZ 2190 Lada Granta

Keywords: microclimate; heat gain; heat loss; heating; car heat balance.

page 23-26

Abstract: The author proposed a calculation of heat balance in the cabin of VAZ 2190 Lada Granta in winter operation. The relevance of the calculation is based on operational parameters of the wind intensity. Recommendations to manufacturers of VAZ 2190 are given.

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Dynamics of Technological System for Preforms with Irregular Shapes

Keywords: dynamic model of technological system; fluctuations in metalworking machines; stability of technological systems; processing of preforms with complex shapes; low-rigid preform; oscillatory system; coefficient of rigidity; limiting element.

page 27-29

Abstract: The article considers an approach to the dynamic study of fluctuations of technological system elements with complex shapes. We identified the problem in the development of dynamic models for the dominant subsystem "tool-preform" in the technological system with three degrees of freedom: two linear and one twister. The features of these models are as follows: variable rigidity of the workpiece in different directions; variable resultant cutting force, depending on the angle of contact of the tool with the preform. The presented approach is easy use to build a dynamic model for the technological system for preforms with complex shapes.

Economic Sciences

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Development of Agricultural Production in Conditions of Import Substitution in Buryatia

Keywords: import substitution; cluster; integration; region.

Abstract: The paper explores the problems of creating agricultural clusters and integrated structures at the grassroots level.

page 30-33

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Market Research into Customer Satisfaction with Fee-Paying Medical Services

Keywords: health care marketing; customer satisfaction with medical services; loyalty; fee-paying medical services.

Abstract: The article discusses the problem of developing customer loyalty to a medical organization as loyalty is the basis for establishing long-term relationships with customers. The results of the market research showed the degree of customer satisfaction with fee-paying medical services.

page 34-36

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Formation of Investment Attractiveness of Projects for Rehabilitation of Buildings Using Full Renovation Funding

Keywords: full renovation; funding; apartment house; investment attraction.

Abstract: Today, management of the system of full renovation in Russia is at the stage of formation and development. Main problems are connected with insufficiency of financing and dilapidation of the housing fund. The area of old and dilapidated housing in Russia reached 99.9 m sq. meters, 51.4 % houses have abnormal wear of 31 to 65 %. We propose possible directions of attracting investment in operation, technical maintenance and repair of apartment houses.

page 37-40

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Multi-Functionality as a Basis of Sustainable Development of Regions and Improvement of Human Wellbeing

Keywords: multi-functionality; sustainable development; agriculture; unemployment; employment; income; self-actualization; regional strategy; non-agricultural sector; economic growth; human wellbeing.

Abstract: The article deals with multi-functionality as a basis for sustainable development of regions when solving economic, environmental and social issues, developing a strategy for modernization of agricultural production, solving the problems of unemployment, promoting self-actualization and raising human wellbeing.

page 41-43

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Socio-Economic and Institutional Nature of the Economic Power of the Country

Keywords: formation of state property; institutions; public authorities; public goods; social development; social needs; state appropriation; state ownership; functioning of state property; government.

Abstract: The article deals with the identification of the fundamental bases of functioning of the economic power of the country. The paper argues that there are three specific areas of functioning of state property: the areas covered by the reproduction of the economic power of the state; the areas covered by the activities of all economic agents and the areas covered by the public sector.

page 44-47

Ya.G. Sayamova

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page 48-52

Logistics Strategy and Its Role in the Organization of Major Sporting Events

Keywords: urban area; logistic strategy; logistics of Olympic Games; Olympic Games; strategic logistics; efficiency.

Abstract: The results of the study indicated the importance of logistics strategy in the organization of major sporting events. The author suggests the interpretation of the concept of Olympic logistics; the influence and relationships of Olympic logistics and strategic logistics in urban areas has been evaluated.

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Insurance Market in the Russian Federation: Current State

Keywords: insurance market; performance indicators; development trends; dynamics of sales.

Abstract: The article deals with general indicators that determine the current state of the insurance market of the Russian Federation.

page 53-55

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Ways of Optimization of Objects and Elements of the Regional Social and Productive Infrastructure of the Chechen Republic

Keywords: investment projects; infrastructure; priority directions; social and economic problems; target programs.

Abstract: The article describes the main factors that influence the successful operation of the regional infrastructure; the analysis of priority investment projects of the Chechen Republic was made; practical recommendations for improving the infrastructure of service of the real economy are given.

page 56-58

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Factors of Competitiveness of Countries in International Trade

Keywords: competitive advantage; share of export; GDP per capita; customs duties.

Abstract: The theory of competitive advantages is one of the most known among classical theories of international trade. However, it doesn't meet the current trends due to the existence of a number of restrictions and lack of essential conditions in contemporary foreign trade. This article considers the characteristics of competitive advantages and the indicators which define the efficiency of competitive advantages.

page 59-62

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The Analysis of Food Market of the Republic of Buryatia in Current Conditions

Keywords: food market; agriculture; food and processing industry; region.

Abstract: The paper explores the problems of developing the food market in the region in conditions of sanctions and response measures; the structure of production and consumption of basic foodstuffs is analyzed.

page 63-66

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International Branding of Russian Industrial Goods in the Markets of Asia, Africa and Latin America

Keywords: branding; brand elements; industrial goods; Russian companies; international branding.

Abstract: Strong international brands of industrial products have a number of advantages, which include customer loyalty. The process of building an international brand in the market of industrial products begins with the consumer confidence in the brand, which includes five major elements important for the consumer. This article was prepared with the financial support of the Russian Foundation for Humanities within the research project "Marketing support for industrial goods of Russian origin to the markets of Asia, Africa and Latin America" project № 15-07-00042a.

page 67-69

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Management Consulting as a Category of Research

Keywords: management consulting; consulting managers; consulting services; consulting research.

Abstract: The article discusses the issue of objectification of management consulting not only as an activity or service, but also as a category of research. The authors note that if the process which is influenced by the consultant greatly affects the characteristics of the whole system (organization), this process should be attributed to management consulting. If the process is influenced by the consultant influences the characteristics of the system poorly, the process should be classified as highly specialized consulting services. According to the results of the conducted research, the authors have made a number of conclusions: management consulting is not a new phenomenon and is quite extensive, it can be considered from different sides, and it has a well-developed conceptual apparatus. Management consulting is closely interrelated with other kinds and types of consulting services for businesses. Different consumers of information from management consulting can look at it differently. Closely associated with the company's development strategy, management consulting affects key issues of company development. Deeper understanding of the essence of the industry makes management a highly specialized management consulting service.

page 70-72

Historical Sciences and Archeology

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Formation and Development of the Presbyterian Church in Korea (1880–1945)

Keywords: Christianity; Christianity in Korea; churches in Korea; missions; Presbyterian Church; Presbyterian Church's activities; Presbyterian missionaries; religion.

Abstract: Nowadays the Presbyterian Church is one of the leading churches both in the Republic of Korea and in the world; however, there are few research works devoted to the study of the history of its formation and development.

This article aims to collect information about the Presbyterian Church in the Korean Peninsula that is available in Korean and other foreign sources and to systematize it. The object of the study is the history of Presbyterianism in the Korean Peninsula. The subject of the research is the formation and development of the Presbyterian Church in the Korean Peninsula from 1880 to 1945.

The article presents the main stages of the development of the Presbyterian Church in the Korean Peninsula from the very beginning to 1945 in chronological order. It also characterizes the activities of the first foreign missionaries who brought Presbyterianism to the Korean Peninsula and gives a brief description of the historical events that served as a background for the formation of the Presbyterian Church in the Korean Peninsula, and analyses their role in the development of the Church. The article briefly characterizes the activities of the Presbyterian Church in the Korean Peninsula and their impact on the social and political life of the country.

The author of the article draws conclusions concerning the peculiarities of the formation of Presbyterian Church in the Korean Peninsula and its role in society.

page 73-78

Pedagogical Sciences

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Strategies to Contribute to Graduates' Employability within the University Course Training

Keywords: professional orientation of university students, sustainable professional employability of graduates, interactive learning, non-formal learning within university curriculum.

Abstract: The article discusses the necessity of integrating formal and informal learning into the university educational program to form students' ability for sustainable professional

page 79-82

employability. We consider educational technologies that are viewed as of prior importance for the formation of the above mentioned abilities. We also discuss some forms of students' informal training and professional activities outside the major education program curriculum that might contribute to promoting students' self-reliance for sustainable professional employability.

I.S. Ganishina

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The Specifics of the Organization of Educational Work with Drug Addicted Religious Prisoners

Keywords: convicted; drug addiction; educational work; forms of educational work; spiritual and moral education; principles of church rehabilitation of drug addicted convicts; socialization; social adaptation.

page 83-85

Abstract: The article deals with the specifics of the organization of educational work with drug addicted religious prisoners.

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Competence-Based Approach to Modern Specialist Training

Keywords: common cultural competencies; professional competencies; modern naval specialist training; higher professional education; competence-based approach.

page 86-89

Abstract: This article studies the main components of the concept of professional competence; we describe the generalized approaches to the determination of the content, functions, structure of professional competence of a modern naval specialist.

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Mechanisms of Shaping a Pedagogical Position in the Process of Becoming a Professional Coach

Keywords: professional position; pedagogical position; professional coach.

page 90-92

Abstract: The article discusses the main scientific and theoretical aspects of shaping a pedagogical position of a coach in the professional development.

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To the Question of Marketing Activity of a University Lecturer

Keywords: marketing activities; educational services; teacher training; potential expansion of educational needs of regions.

page 93-95

Abstract: The article reveals the issues related to the increased activity of teachers in promoting educational services of the University, course designers and performers. The authors justify the necessity of teacher training in marketing activities implemented in the framework of university corporate training. Training is aimed at shaping teachers' position as carriers of exclusive personal and professional experience

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The Specifics of Bi-Ethnic Families Organization

Keywords: ethnicity; family; bi-ethnic family; leisure.

page 96-100

Abstract: The global processes in the world have led to the fact that the borders between the two countries are becoming transparent, thus enhancing the migration of people from one country to another. All this causes the creation and increase in bi-ethnic families that provide close interaction between people of different nations, promote respect and tolerance for national identity and culture of other nations, and open up enormous possibilities of information transfer between spouses, their children, and relatives. Therefore, contemporary pedagogy is focused on the study of the specificity of the organization of mixed marriages. In this connection, the article highlights the main types of bi-ethnic families and leisure preferences of families.

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Spiritual and Moral Education of Children in Conditions of Parent-Teacher Interaction

Keywords: interaction of parents and teachers; education; spiritual and moral education; family education; socialization.

Abstract: The article explores the process of education of an individual from the perspective of social environment and family influence. The role of pedagogical support of spiritual and moral development of an individual is explained. The need for work with parents on developing their pedagogical culture in spiritual and moral development of children is justified. This direction of joint activity of teachers and parents ensures substantial information saturation of children education.

page 101-104

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The Development of Giftedness in Children and Teenagers in Conditions of Additional Education

Keywords: general giftedness; gifted children and adolescents; productivity of collaborative activities; programs of additional education; development of giftedness; region.

Abstract: The article describes the ways of solving the problems of organization of the system of additional education of children, contributing to the development of their giftedness. The author generalizes the experience of the center for creative development of children; the specifics of joint activities for children and teachers, as well as a list of requirements to teachers' personal qualities are described.

page 105-107

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A Personalized Model of Professional Development: Theoretical Foundations and Implementation

Keywords: adult learning; personalized model of advanced training; professional and social mobility; psychological and pedagogical conditions; self-reliance.

Abstract: The article substantiates the necessity of introduction of a personalized learning model into the system of professional development so as to provide an adult learner with a choice of individual educational programs, and master the acquired competences in the learning process. The necessity of using active learning methods and forms of education has been justified; the importance of developing self-reflection and personal resources of a student has been discussed.

page 108-111

History, Philosophy and Sociology

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The Process of Creative Thinking: Problems of the Study

Keywords: thinking; creative thinking; approaches to the study of creativity.

Abstract: The article describes the process of creative thinking; the classification of the main approaches to the study of the process of creative thinking is given; the main problems in the study of the process of creative thinking have been identified.

page 112-115

Linguistics

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Resume and CV in Business Communication (in Russian and English Languages)

Keywords: business communication; resume; CV; curriculum vitae; interdisciplinary relations.

Abstract: This article defines the scope of notions of resume and CV in business practices. Also, we explain the need for teaching writing resume at university through the study of related

page 116-119

topics in such disciplines as “The English Language” and “The Russian Language and Culture of Speech”.

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Judicial Eloquence in Ancient Greece and Democratic Society Needs

Keywords: public speech, judicial eloquence, social and communicative needs of society.

Abstract: The paper focuses on the analysis of judicial eloquence in connection with socio-political development of the society. We explore different means of judicial eloquence employed by the speaker. We argue that the past ages communicative experience is relevant for the development of modern democratic society values and needs.

page 120-122

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Formation of Multi-Component Terms and Their Translation into Russian

Keywords: term formation; lexical phrases; terminological phrases; multi-component terms, lexical and-semantic means.

Abstract: The article considers some aspects of multi-component terms formation and their translation into Russian. Special attention is paid to prepositions-free term phrases which are of particular difficulty in translation.

page 123-125

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Linguistic Means in Creating the Image of a Politician in Modern American Mass Media

Keywords: functions of mass media; language of the media; Critical Discourse Analysis (CDA); image; linguistic feature.

Abstract: In this paper, the function of linguistic means used in the media in creating the image of the President of Russia, V.V. Putin is analyzed. We investigated some popular American newspapers on the basis of Critical Discourse Analysis (CDA) and showed the image of Vladimir Putin created in the mass media. The study examines some articles from “New York Daily News”, “The New York Times”, “The Washington Post”. The conclusions about the verbal images of Vladimir Putin in the media of the country have been drawn.

page 126-131

Legal Science

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Facts at Issue and the Scope of Proving In Cases of Crimes Committed by People Sentenced to Corrective Labor

Keywords: convicted people; corrective labor; evidence; evidence characteristics; facts at issue; proving; scope of proving; sources of evidence.

Abstract: The article deals with facts at issue and the scope of proving in cases of crimes committed by individuals sentenced to corrective labor. The author points out that knowledge and understanding of the peculiarities of facts at issue and the scope of proving allow inquiry agencies, interrogating officers, investigators and then the court to investigate and resolve criminal cases without violation of the rights and legitimate interests of individuals sentenced to corrective labor, to consistently and purposefully fight against crime using legal means, and to effectively carry out preventive work.

page 132-136

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Good Faith as one of the Principles of Interpretation of the 1980 UN Convention “On Contracts for the International Sale of Goods”

Keywords: good faith; the CISG-Convention; interpretation of an international treaty; the UNIDROIT Principles; general principles of the CISG-Convention.

Abstract: The article is devoted to the application of the principle of good faith to the interpretation of the United Nations Convention “On Contracts for the International Sale of

page 137-142

Goods” (1980) by national courts of different countries and international commercial arbitrations. There are two doctrine approaches with respect to the application of good faith. According to the first concept, good faith may be only used for the interpretation of the Convention. Under the second concept, the observance of good faith in international trade is one of the general principles on which the Convention is based. The provision of the Convention on the observance of good faith in international trade imposes the good faith obligations on the parties of any individual contract of international sale of goods.

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The Suspect’s Petition on Conducting Interrogation in a Reduced Format

Keywords: investigator; defender; suspect; inquiry in summary form; petition.

Abstract: The paper explores the questions connected with the suspect’s petition on interrogation in a reduced format, and also petitions on interrogation in the general form. Conditions of interrogation in a reduced format and circumstances interfering with it have been analyzed.

page 143-145

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Legal Capacity of Authorities and Legal Persons in Family Law

Keywords: capacity; legal capacity; authorities; legal persons.

Abstract: The paper explores the definition of legal capacity of authorities (state and municipal) and legal persons in the family law through the establishment of “legal capacity” and “physical capacity” of these persons. The views of Russian researchers on the given problem are discussed; the opinion about the legal capacity of authorities and legal persons in the family law is criticized for their physical capacity is denied. The attention is paid to the current family law which proves the author’s opinion. The legal capacity of authorities and legal persons in the family law is defined through the binary opposition as simultaneous legal and physical capacity.

page 146-148

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Current Problems of the Official Language in the Russian Federation Republics

Keywords: law; state; normative legal act; republics; official language; official language of the republic; national language policy.

Abstract: The article analyzes the right of republics to establish their national language. The author carries out a detailed analysis of the legislation of the Russian Federation. It is proposed to amend the conceptual and terminological apparatus.

page 149-151

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Professional Identity as the Initial Stage of Forming Professional Legal Culture of Internal Troops Servicemen in the MIA of Russia

Keywords: interior troops’ servicemen; professional identity; professional legal culture; professional socialization; formation.

Abstract: The article reveals the essence of professional identity as the initial stage of forming professional legal culture of internal troops’ servicemen in the MIA of Russia. The result of professional identity is formed in relation to the performed activity is discussed.

page 152-154

Culturology

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Evaluation Triggers as a Mechanism of Mass Culture Politicization (A Case Study of the 2014 Eurovision Song Contest)

Keywords: Eurovision; evaluation trigger; nobrow culture; state symbols; Russia.

page 155-160

Abstract: The article examines the mechanisms of politicization of the 2014 Eurovision Song Contest with the help of state symbols that act as evaluation triggers activating the audience's evaluative link chains. The author deals with visual triggers created by the European Broadcasting Union and audial triggers created by Russian presenters. In the end, the presence of so many state symbols can lead to their "triggerization" and politicization of the song contest.

Biological Sciences

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Variability of Abdominal Left and Right Micro- and Macromeres of Triturus Vulgaris Embryos in Natural and Artificial Magnetic Conditions

Keywords: functional and morphological variability; degree of variability; blastomere; micromere; macromere; caudate amphibians; biodiversity; geo-magnetic, hypomagnetic and vertical hypermagnetic fields.

Abstract: The article deals with the effect of different magnetic fields on the early embriologogenesis of Triturus Vulgaris. Vertical sizes of left and right abdominal micromeres and macromeres in natural geomagnetic field and in artificially created magnetic conditions (hypomagnetic field, vertical magnetic field) have been considered. Modern studies of amphibians' cell – division morphology are an extension of classical studies aimed at identifying blastomeres symmetrical relations and studying individual blastomeres descendants' fate. Their morphological variability has been examined in artificially modified magnetic conditions compared with the magnetic field of the Earth. The influence of the magnetic environment on the early embryo development of caudate amphibians, in addition to fundamental importance, indicated that the magnetic environment and its variability are effective environmental factor.

page 161-164