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RELEVANCE ASSESSMENT OF RUSSIAN ECONOMICS INNOVATIVE DEVELOPMENT

Currently debates about the necessity of a diversification of domestic economy and its transition to the innovative way are raised. Nevertheless, the relevance of these activities and actions may be doubtful. The investment priorities are discussed. Analysis of the innovation cycle structure within its stages shows the transition of domestic economy to the sixth technological way, and undoubtedly reflects the correctness of the model of increasing diversification through the development of innovative industries.

Key words: *innovations, innovation cycle, technological ways, crisis.*

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FUZZY MODEL FOR RAPID ASSESSMENT OF ENTERPRISE'S INNOVATION FINANCIAL COMPONENT

The article studies the enterprise's capital adequacy assessment to provide manufacturing and innovation activity. The model of the enterprise's innovation financial assessment with account of uncertainty factor is based on a fuzzy-set theory. The model has advantages over the expert and statistical evaluation methods and enables to minimize statistical errors.

Key words: *innovation, fuzzy set, linguistic variable, membership function.*

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ON ASSESSMENT OF INNOVATION POTENTIAL IN STRUCTURAL TRANSFORMATIONS

Modern economists pay much attention to innovation potential and its implementation at the enterprises. Due to intricate situation in industry the implementation of innovations should come along with structural transformations. The innovation causes the choice of a strategy. Strategy is defined as “a measure of readiness” to achieve goals in the innovation development of an enterprise”.

Key words: *innovation, structural transformation.*

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MODELLING CARBON NANOTUBES SYNTHESIS PROCESS BY MEANS OF CATALYTIC PYROLYSIS OF BENZENE IN PRESENCE OF FERROCENE AND CARBONE BISULFIDE

The process of the carbon nanomorphologies synthesis by the catalytic pyrolysis of benzole in the presence of ferrocene and carbon bisulfide is described. Obtaining of the predicted nanomorphologies through controlling the synthesis parameters are considered. The developed model enables to define the velocity formation and amount of the product predetermined by the synthesis conditions.

Key words: *mathematical modelling, nanomaterials, pyrolysis of benzene, ferrocene.*

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ON MAIN ASPECTS OF COMMERCIAL ENTERPRISES' INNOVATION ACTIVITIES

Currently trade undergoes dramatic changes, that effect consumer demands as well as trade enterprises' capacities. The role and significance of innovations for the development of trade are considered, types of innovations used by the commercial enterprises are analyzed.

Key words: *innovation, types of innovations, commercial enterprises.*

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ON MAIN ASPECTS OF GOVERNMENT SUPPORT FOR DEVELOPMENT OF NATIONAL INNOVATION SYSTEM IN KAZAKHSTAN

The main regulations and state programmes on the development of innovation activity in Kazakhstan are studied in the article. Attention is paid to the programmes promoting the formation of the national innovation system in the republic.

Key words: *innovation, innovation system, government support, innovative development, Kazakhstan.*

D. V. Shishkin

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**ON ORGANIZATIONAL MECHANISM OF INTERACTION BETWEEN
VENTURE INVESTORS AND INNOVATION ENTERPRISES THAT
ATTRACT VENTURE CAPITAL AT DIFFERENT STAGES
OF DEVELOPMENT**

The article in question considers the organizational mechanism of venture investor with innovation enterprises that have venture capital at different stages of development. The trends of the trade – related investments for long-term competitive advantages are identified. A detailed analysis of pivotal elements of postinvestment period is given.

Key words: *innovation, venture investments, postinvestment period, innovation enterprise.*

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O. V. Demyanova

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**ON METHOD OF RUSSIA'S MACROECONOMIC SYSTEM
EFFICIENCY ASSESSMENT**

The article analyses the testing results of author's method that gives the intergrated estimate to the Russia's macroeconomic system efficiency. The basic socioeconomic imbalances are systematized, the main trends of socioeconomic efficiency improvement are identified in the article. The efficiency is defined as the degree of approximation of the actual economic status towards its ideal form.

Key words: *macroeconomic system, macroeconomics, economic efficiency, integrated estimate.*

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ON FACTORS OF SOCIO-ECONOMIC SYSTEMS' DEVELOPMENT

The article in question examines public socio-economic systems, the cooperation and integration between them. The political, economic, social, technological, information and psychological factors as well as factors of socioeconomic system's development are described in the article.

Key words: *socioeconomic systems, factors of development, cyclicity*

A. S. Sviridova

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ON PROFESSIONAL COMPETENCE MODEL OF MANAGER

The article in question substantiates the professional model of a manager within the competence approach. For the system of supplementary professional education the concept "professional education" is defined as professional capability of a specialist who has vocational qualification to achieve the professional goals, stipulated within vocational qualification of a manager.

Key words: professional competence model, managerial skills, business-related skills, special skills, taxonomy of educational goals.

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**ECONOMIC SUBSTANTIATION FOR METHOD OF IRRIGATION
WATER USAGE EFFICIENCY EVALUATION IN AGRICULTURE**

The article in question studies the important issues of irrigation water usage efficiency evaluation in agriculture with consideration of different factors, such as quantity and quality of manufactured and sold products, competition rate in industry, prices and aggregate costs for irrigation.

Key words: irrigation water usage, indices of irrigation water usage efficiency, irrigation water usage efficiency method.

V. I. Pertsukhov

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**ON INVESTMENT CLIMATE OF TERRITORIAL SUBDIVISIONS:
MAIN ISSUES OF RESEARCH OF SOCIOECONOMIC AND
INVESTMENT PROCESSES**

The article studies the main issues of investment climate research of territorial subdivisions that precondition main trends, tempo of socioeconomic and investment processes. The main statements of the research act as methodological regulations of frame practicality of assessment, forecasting and model building.

Key words: investment management, investment climate, investment attractiveness, investment potential, investment risk.

I. B. Beregovaya

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ON METHODOLOGY OF ENTERPRISES' COMPETITIVE STRENGTH EVALUATION SYSTEM DEVELOPMENT

The article suggests the methodology of the industrial enterprises' competitive strength universal evaluation system development. It is based on the usage of an integrated indicator that enables to consider a substantial quantity of characteristics and their different relevance.

Key words: *enterprise's competitive strength, enterprise's competitive strength evaluation system.*

R. R. Mursalimov

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COMPETITIVE ADVANTAGES DEVELOPMENT ON FOOD MARKET

The article in question outlines the facts of the regional commercial chain "Orbita" competitive advantages development from the moment of its foundation, to the development of diversified elements and the organization of the commercial and industrial holding.

The article gives estimation to the challenges on the way of competitive advantages development at the regional trade companies that grew out from small businesses and conquered their market sectors competing with the large-sized commercial chains.

Key words: *competitive advantages development, competition, trade chain.*

E. S. Gracheva

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FOREIGN ECONOMIC ACTIVITY OF REGION AS KEY FACTOR OF COMPETITION BETWEEN CONSTITUENT UNITS OF FEDERATION

The importance of foreign economic activity in the development of regional competition is estimated in the article. The structure of foreign economic unit as the basis of foreign economic activity is considered. The quantitative analysis of interconnection between foreign trade volumes, foreign investment activity and GRP as the main index of competitiveness is suggested on the example of Orenburg region.

Key word: *regional competitiveness, foreign economic activity, foreign economic complex, foreign economic complex resources, Spirmen index.*

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ON ECOLOGICAL AND ECONOMIC BASIS OF NATIONAL WELFARE INDEX

The article considers the issues concerning ecological and economic basis of the multidimensional indicator – the national welfare index. Special attention is paid to the scientific reasons of the index, which is calculated for separate municipal units of Tatarstan. The indicators can be used for the evaluation of the municipal units' administration.

Key words: *Quality of life, national welfare index, ecology, risk factors, habitat quality.*

A. G. Gilemkanov

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ON ORIGIN OF INDUSTRIAL ENTERPRISES

The article in question examines the development of industrial enterprises, identifies five stages of development. The conclusion is made that the development of industrial enterprises keeps in with the philosophical law about the transition of quantitative changes into qualitative. The article suggests that the next stage should upgrade the motivation system for the employees of commercial departments.

Key words: *origin, industrial enterprises, history of development, development of industrial enterprises, motivation, system of motivation.*

E. V. Smirnova

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ON TYPICAL FEATURES OF INDUSTRIAL ENTERPRISES' PLANNING SYSTEMS

The article contains theoretical positions revealing system approach to the enterprise planning. The modification possibility of the basic model due to the enlargement of feature combination that characterizes the industrial enterprise planning systems is substantiated.

Key words: *enterprise planning, planning system, typical features of planning systems.*

A. Belov

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**INDUSTRIAL SPACE AND ECONOMIC TRANSFORMATION IN
ORENBURG REGION: INSTITUTIONAL ASPECT**

Industrial production plays a key role in modern economy, providing conditions for economic growth and development. Last decade tendencies and low resistance to activity condition changes stipulate the necessity of economy modernization in Russia and Orenburg region. Institutions' flexibility in transaction costs' redistribution is one of the main issues of industrial spacial and economic transformation.

Key words: *transformation, industry, institutional approach, transaction costs.*

A. P. Shmarin

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D. R. Biktimirov

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**ON WAYS OF INFORMATION-CONSULTING SERVICE
ESTABLISHMENT FOR INDUSTRIAL ENTERPRISES
OF ORENBURG REGION**

On the basis of statistics analysis the necessity to establish information-consulting service for industrial organizations in Orenburg region is substantiated. The basic aspects of information-consulting service are studied

Key words: *information-consulting service, strategic analysis, industry.*

E. V. Beklemesheva

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ON STRATEGY ALGORITHM FOR COMMODITY ITEMS ON BASIS OF DOUBLE SEGMENTATION

The methodological approach to the formation of enterprise` commodity nomenclature based on marketing management and double segmentation is suggested. The approbation of the algorithm was held at the enterprise of lift-and-carry machinery located in Kaliningrad region.

Key words: *commodity items, segmentation, consumer segmentation, commodity segment*

A. A. Manko

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ON CONCEPT SYSTEM OF ADMINISTRATIVE ORGANIZATIONAL STRUCTURE MODERNIZATION

The success of modern management depends on principles of formation and modernization of administrative organizational structures. The forecasts, and based on these forecasts formation, functioning and development of organization under market conditions are described in the article. Systematization and implementation of the basic norms and rules of formation and realization of the process are described on the basis of formation and modernization principles of administrative organizational structures.

Key words: *structure, organization, administrative organizational structure, modernization, principle.*

T. A. Samsonova

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LABOUR MARKET IN ORENBURG REGION DURING FINANCIAL AND ECONOMIC CRISIS

The article in question studies the situation at the Orenburg labour market stipulated by the negative effect of the crisis. The factors that have influence on the situation are researched. The data given by the Federal State Statistics Service Territorial Body in Orenburg region served as empirical material for the article.

Key words: *socioeconomic indicator, labour market, labour potential, financial crisis, demographic situation, migration, unemployment.*

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DEVELOPMENT OF TEACHER'S VALUABLE POTENTIAL AS PEDAGOGICAL PROBLEM

The article studies the development of valuable potential of a teacher, it describes three stages of development: adaptation, orientation and personalization in educational process.

Key words: *valuable potential, interaction, adaptation, orientation, personalization*

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VI. Yu. Ziambetov

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BATTLE-SPORT GAME AS MEANS OF DEVELOPMENT OF CONFIDENCE, ADMINISTRATIVE AND ORGANIZATIONAL QUALITIES

The article describes the characteristics of the battle-sport game for the development of organizational and managerial qualities of managers-to be. The nonstandard ways of career promotion in educational process are identified. Methodical recommendations for effective implementation of the battle-sport game into educational activity are suggested.

Key words: *battle-sport game, teacher, educational process, means, methods, organizational and managerial qualities, professional activity.*

A. M. Bakirova

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REGIONAL PUBLIC POLICY AND ACCESSION OF RUSSIA TO WTO: ANALYSIS OF NEGATIVE EFFECTS

The article in question analyzes the strengthens and negative effects of Russia`s accession to WTO for the country`s economy. The general background of negative effects for the regional economy is studied in the article. A set of measures to reduce the negative effects is suggested.

Key words: *WTO accession, regional economy.*

Y. Y. Myagkova

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INNOVATIVE RISK-MANAGEMENT AND INSURANCE

The article in question specifies the concept "innovation", gives a definition to "innovative risk", suggests innovation risks classification, identifies innovative insurance risks and considers the methods of innovative risk management.

Key words: *innovation, objects of innovative activity, innovative risks, methods of innovative risk-management, insurance.*

M. V. Tcharaeva

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ON ESTIMATION OF REAL INVESTMENTS PATTERN AT ELECTRICAL ENERGY ENTERPRISES UNDER ECONOMIC RECOVERY (ON THE EXAMPLE OF HOLDING "MRSK" PLC. AND "MRSK YUGA" PLC.)

The article in question suggests the assessment of enterprise` real investment structure in the current conditions; the electrical energy enterprises of the Holding MRSK are studied in particular. The main parameters of investment activity at the final stage of the energy reform in 2008–2009 are examined. The trends and patterns of investments of the holding`s overall investment programme are suggested. The parameters of real investment are held up as an example. According to the parameters the pattern of real investments is estimated.

Key words: *pattern of real investments, trends of investment, parameters of investment activity, investment programme.*

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**ON INVESTMENT ASSESSMENT OF HIGH-TECH COMPANY AT THE
EXPANSION STAGE**

The article in question examines the assessed value of innovative companies at the expansion stage. The author suggests a new formula of investment value, including such variables as current assessment and option of growth. The article has a great practical importance for the companies' owners and prospective investors

Key words: *investment, innovation, expansion stage, option of growth.*

S. S. Seliverstov

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**THE CHEMODUROVS – MARSHALS OF NOBILITY IN SAMARA
GOVERNORATE**

The article in question researches the nobility family of the Chemodurovs. The contribution of the representatives of the family into development of economy and culture of Samara and Orenburg governorates is described.

Key words: *provincial marshal of nobility, estate (ethel), the Chemodurovs family.*

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**CONCEPTUAL FOUNDATIONS OF UNION MOVEMENT RESEARCH
IN URAL REGION DURING NEW ECONOMIC POLICY (1921–1928)**

The article in question examines the basic concept of union movement during new economic policy in 1921–1928. Different theoretical approaches of the trade unions in the Ural region to the “new course” are identified, the declarative and radical character of reformative plan and the doctrinal nature of NEP trade unions model are substantiated.

Key words: *trade unions, new economic policy (nep), function of defence, labour relations, labour contract, strike.*

S. S. Obukhova

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**ON IMPORTANCE OF SPECIAL KNOWLEDGE IN CRIMINAL LEGAL
PROCEEDINGS**

The article identifies the role and place of special knowledge in criminal legal proceedings. The concepts “expert” and “specialist” are defined as the personalities, possessing special knowledge. Legal foundations for use of nonconventional special knowledge in criminal proceedings are considered.

Key words: *special knowledge, specialist, expert, personalities possessing special knowledge, expert examination, nonconventional special knowledge.*

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**ON RESEARCH OF TERRITORIES ADJOINING TO
THERMOELECTRIC POWER PLANTS**

The article in question considers a problem of soil cover pollution in Kumertau. The quality estimation of territories, adjoining to a priority stationary source of polluting substances by the load factor, the soil pollution index, the ecotoxicological index and the leaf morphological analysis is carried out.

Key words: *load factor, ecotoxicological index, biogeochemical index*

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**ON EFFICIENCY ASSESSMENT OF STUDENTS' HEALTH
PROGNOSIS BASED ON MONITORING RESEARCH
(ON THE EXAMPLE OF ORENBURG REGION)**

The article in question analyses the results of comparison prognosis data and students' disease statistics in 2010. The research considers environmental, technogenic, socio-economic statuses of region for the conformity and prognosis efficiency assessment.

Key words: *health status, course of disease, environmental, technogenic, socio-economic risks, prognosis, efficiency assessment*

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Z. A. Veterkova

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**TECHNOLOGIES OF STUDENTS' STRESS-RESISTENCE ELEVATION
TO ADVERSE CONDITIONS OF ENVIRONMENT**

The article in question studies the effect of stress on students' health status, suggests the efficient technologies of stress-resistance elevation to adverse conditions of environment with the aim to ensure working capacity, health promotion and maintenance.

Key words: *stress-resistance model, realization of technology, students, implementation, adverse factors, hypoxia.*

D. V. Gorbachev

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**INFRASTRUCTURE OF DISTRIBUTED COMPUTER SYSTEMS:
SURVEY OF TECHNOLOGIES**

Efficient solving of current business tasks in management of enterprise is possible only with a developed, high-tech information system. The information systems at the enterprises are built on the base and technologies of distributed computer systems. Infrastructural solutions of DCS are important as they identify the model "management efficiency – IS cost". The article in question studies technological and platform solutions of leading world manufacturers of software and hardware.

Key words: *distributed calculation, decision-making tasks, technological platform, hardware/software solution, cluster, GRID, Cloud Computing.*
