

## ABSTRACTS

**Adamovskyi O.M.** *Ensuring optimal ecological economic criteria value by using mathematical programming methods (the case of forest resources use).* – P. 187.

The possibility is studied to use mathematical programming methods for ensuring optimal ecological economic criteria value on the example of forest resources use. The necessity of achieving two qualitatively opposite goals (ecological and economic) simultaneously in the field of lumbering is grounded.

Key words: mathematical programming, ecological economic criteria, forest resources use.

**Amosha O.I., Kolbushkin Y.P.** *Methodological approaches to assessment of energy-saving processes.* – P. 128.

The article assesses today's energy-saving methods. A new approach is offered that takes into account the influence of energy-saving on output volume and prices for products manufactured in all economic sectors.

Key words: energy-saving, a new approach, economic effect, prices for products.

**Bocharnikova N.M., Popova D.O.** *Theoretical principles of management by motivation.* – P. 41.

It is noted that a too long isolation and lack of translated works on foreign labour motivation

theories caused a parallel development of theoretical conceptions and methods for managing personnel both in home and West management systems.

Key words: management by motivation, theoretical conceptions, personnel management methods.

**Buleev I.P., Brukhovetska N.Y.** *Enterprises and new organizational structures in the system of socio-economic relations in the society.* – P. 3.

The authors investigate functions of an enterprise as the most stable institute of society. Different aspects in interrelations "man – enterprise – region – state" are considered. The reasons are given to consider the role of enterprises in formation of conditions for personal self-realization, of medium class and civil society to be very important.

Key words: aspects in interrelations, role of enterprises, organizational structures, society.

**Eskov O.L., Smyrnova I.I.** *Organization of labour competition at the enterprise under present management conditions.* – P. 193.

Competition elements are identified and the mechanism for organization of labour competition is offered. The practical organization of labour competition in JSC «NKMZ» is considered.

Key words: labour competition, enterprise, mechanism of organization, management conditions.

**Evdokymov F.I., Borodina O.O.** *Optimization of a coal mine's capacity reproduction through a dynamic programming method.* – P. 133.

The methodology of using investment projects for operating coal mines' technical re-equipment and capacity reproduction is considered on the basis of application of network planning and dynamic programming methods.

Key words: network planning, dynamic programming, coal mine.

**Goncharuk A.G.** *Formation of the general mechanism for enterprise efficiency management.* – P. 164.

Basic theses of methodology of the mechanisms for enterprise efficiency management are formulated. Functional aspects of the organizational and general mechanism that provides continuous and steady growth of the efficiency of enterprise performance are described.

Key words: efficiency of enterprise performance, management mechanisms, steady growth.

**Grishko N.V.** *Building a mathematical model for managing mining costs.* – P. 85.

Production facilities and coal extraction in Ukraine in 1992-1997 are analysed, as well as dynamics of technical-economic indicators of coal mines. The mathematical model for managing coal mines' costs has been build and corrected taking into account rates of mining prime cost growth.

Key words: mathematical model for managing, coal mine, production facility.

**Guberna G.K.** *The nature of today's crisis.* – P. 204.

The nature of today's world crisis origin is analysed, and the arguments are advanced to explain this crisis as a crisis of overconsumption.

Key words: world crisis, nature of origin, overconsumption.

**Khyzhnyak L.T., Shem'aykina N.V., Ponomarenko A.A.** *New depreciation standards as the way for supplying the mines with up-to-date equipment.* – P. 154.

The state of the coal industry is analysed, and its role for the economy of Ukraine is pointed out. The main factors which have a negative effect on its development have been defined. It has been shown that provision of certain rates of increase in production efficiency depends on introduction of new

equipment, in particular extraction one, possible when new depreciation standards are used.

Key words: coal industry, depreciation, up-to-date equipment, economy of Ukraine.

**Kornev M.N.** *Analysis of inflation processes in Ukraine.* – P. 34.

The article analyses inflation processes in Ukraine. Negative tendencies in development of the economic system and their reasons have been discovered. Perspective directions for further scientific researches are suggested.

Key words: inflation processes, negative tendencies, reasons, economic system.

**Kukharska N.O.** *On the question of diversification of energy supplies and regulation of the oil-and-gas complex development in Ukraine.* – P. 143.

The author estimates the present situation in the oil-processing complex of Ukraine. Geography of supply of Ukraine with energy resources is considered, as well as their diversification. The perspective development of the oil-and-gas industry in Ukraine connected with tapping of home oil and gas deposits has been studied. The system of measures is offered to stabilize the work of the oil-and-gas complex in a short-term and long-term prospect.

Key words: oil-and gas industry, deposits, regulation of development, diversification.

**Levina O.V., Mikhalska V.O., Mikhalska L.C.** *Investment resources for industrial innovatization.* – P. 113.

The paper estimates the influence of country's competitiveness on innovation-technological development of the production sphere and its financial investment resources. The necessity of the state interference into extension and development of the institutions for crediting industrial innovatization is well-grounded.

Key words: industry, investment resources, credit institutions, competitiveness.

**Logachova L.M.** *Investment approaches to the development of social infrastructure.* – P. 197.

Analysis of investments structure and volume in the sector of social infrastructure was made in the context of investigation of problems concerning regional management of social development, preconditions and prospects for diversification of sources of financing social infrastructure were identified, the possibility of attraction of financial

and credit institutions as institutional investors was motivated.

Key words: social infrastructure, financial and credit institutions, investment approaches.

**Makogon Y.V.** *Industrial economics of Ukraine under a crisis.* – P. 57.

Aspects of influence of the global financial crisis on basic branches of the economy of Ukraine are considered. Probability of negative consequences which are likely to affect export-oriented branches of Ukraine as a result of increase in the energy carriers cost and devaluation of the national currency is discussed.

**Makovetskyi S.O.** *Methodical aspects of market networks: the problems of net approaches interaction in the industrial marketing.* – P. 106.

Difference between the theory and practice within the framework of market networks in the industrial marketing is grounded. An attempt was made to obtain better understanding of a complicated nature of interactions and interrelations in the networks of the industrial market.

Key words: industrial marketing, net approaches, interrelations, methodical aspects.

**Maluta O.V.** *Resource-saving in the sphere of rendering of public utilities.* – P. 176.

The article presents a research on the reserves for saving of resources used for rendering of public utilities on the example of town Makyivka and the Donetsk region. The proposals on resource-saving have been worked out.

Key words: resource-saving, public utilities.

**Nazarchuk M.I.** *Features of the stock market formation in Russia in 90s of the XXth century.* – P. 15.

Main stages in formation of the stock market during the first decade of transformational changes in the economy of Russian Federation are considered. The leading role of the state in formation of organized stock market segment and centralization of stock exchange dealings with securities is marked.

Key words: economy of Russian Federation, stock market, stock exchange dealings with securities.

**Novikova O.F., Kotov E.V.** *Features of functioning of the coal industry under conditions of economic crisis and directions for overcoming its negative consequences.* – P. 80.

The article appraises the situation and trends in extraction of coal and demands for coal products, payments of wages in the coal industry under conditions of the economic crisis. The analysis of state measures on softening of negative consequences affected the coal industry as a result of this crisis has been made. The proposals have been worked out to overcome negative consequences of the crisis.

Key words: coal industry, economic crisis, proposals, negative consequences.

**Ostankova L.A., Shevchenko N.Y.** *Conceptual approaches to modeling the investment development strategy for an industrial enterprise.* – P. 92.

The article considers the possibility to increase the efficiency of an industrial enterprise operation by perfection of the strategic and intrafirm planning systems in accordance with the requirements of external environment taking into account an internal potential of the enterprise. Conception of modeling of the industrial enterprise's strategic development has been developed as well as methods of quantitative substantiation of managerial decisions making in the sphere of investment.

Key words: industrial enterprises, planning, modeling investment development strategy.

**Pavlov K.V., Rastvorceva S.M., Lyashenko V.I.** *Problems and prospects for the development of economic cooperation between Russia and Ukraine.* – P. 47.

The preconditions for the development of Russian – Ukrainian economic cooperation are considered. Prospects for economic cooperation between Russia and Ukraine are outlined on the example of the Belgorod region.

Key words: economic cooperation, Russia, Ukraine, regions, Belgorod region.

**Petrenko O.D., Petrenko O.O.** *An economic-statistical model for forming wages and salaries in the national economy of Ukraine.* – P. 150.

The mathematical model of dynamics of wages and salaries in the industrial sector of Ukraine is built on the example of the Donetsk railway. It is shown that here a dominant factor is external macroeconomic conditions and a slight influence of the labour productivity growth.

Key words: Donetsk railway, mathematical model, wages and salaries.

**Prekrasnyi D.E., Makarkina G.V.** *Building of region's interbranch tables on the basis of primary statistical reports data of enterprises.* – P. 182.

The paper offers an information system that automates the processing of enterprises' statistical reports data in order to build regional interbranch balance tables. The tables built are the information base for analyzing and forecasting a regional product in sectors and regions and provide increase in efficiency of region's economy management.

Key words: information system, enterprises' statistical reports, interbranch balance.

**Raschupkina V.M.** *Historical preconditions for developing the methodology for managing reorganization processes at industrial enterprises.* – P. 74.

The historical preconditions for formation and development of the methodology for managing denationalization processes are presented. They will provide efficient operation of production systems under new conditions of management and their improvement.

Key words: industrial enterprises, denationalization processes, reorganization, management.

**Tyschenko O.M., Volyk I.M., Belikova N.V.** *A financial-economic crisis and opportunities for on-going development of chemical-recovery coke enterprises in Ukraine.* – P. 67.

The problem of efficient operation of industrial enterprises of Ukraine is considered on the example of the chemical-recovery coke industry. The indices which indicate the results of enterprises operation have been studied and analysed, the factors hindering the enterprises to overcome crisis situations have been marked out.

Key words: chemical-recovery coke industry, crisis, factors, development.

**Vinarik L.S., Schedrin O.M.** *Ways of estimating the efficiency of safety system for on-line electronic business.* – P. 101.

The ways are offered to estimate the safety system for on-line electronic business. They allow to neutralize social losses for managing subjects when applying an advanced approach to business

Key words: on-line electronic business, safety system, efficiency.

**Vorotyna L.I.** *Structural transformation of ownership in Ukraine.* – P. 203.

The necessity is grounded to make structural transformation of production means ownership by developing share and joint forms of ownership in the work collectives.

Key words: ownership, production means, economic crisis.

**Yermoshkina O.V.** *Characteristics of the methodology for researching enterprises' financial flows: new classical economics or institutionalism?* – P. 25.

Based on a comparative analysis of principles of a new classical and institutional economics and having studied specific features of development of the national economy, basic preconditions for researching financial flows of industrial enterprises were determined and the principle statements of the methodology for their researching which take into consideration a special formation, distribution and use of financial flows under conditions of institutional development were formulated.

Key words: institutional development, financial flows, industrial enterprise.

**Zemlaynkin A.I., Moiseev G.V., Moiseev V.G.** *Strategic management of industrial enterprises' investment activity.* – P. 121.

Features of investment activity management at industrial enterprises under present conditions are considered. The approaches to use of mechanism for strategic management of investment projects and programs are motivated.

Key words: investment activity, strategic management, industrial enterprises.