

SUMMARY

COOPERATIVE MOVEMENT: THEORY AND PRACTICE

Oldak P. G., Doctor of Science in Economics, Professor (1923–2011)

The Role of Cooperation in Addressing Social Issues in Modern Societies. P. 3.

The paper provides the author's vision of the nearest future, examines two opposite trends: progress in science and technology, on the one hand, and system disorganization, on the other hand. The author identifies four forms of degradation of social ties, proposes and defines the term "loss burden", predicts its growth at the rate faster than the rate of GNP growth.

The author describes cooperation as a constantly progressing sustainable system of social development, shows its benefits in comparison to other organizations in the market.

The conclusion can be drawn from the present study that cooperation protects the environmental, social and moral substance of the society, thus obtaining a historical dimension and taking one of the leading positions in social development now and in the future.

Key words: globalization, disorganization of a system, resistance of cooperation.

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Cooperatives: Employment and Social Protection for Citizens. P. 7.

The paper discusses the issues of developing a well-balanced, socially responsible, sustainable economic model; studies the problems of unemployment in developed and developing countries. The author highlights the need for a deeper understanding of the impact the social and solidarity economy (SSE), in particular cooperatives, mutual benefit societies, and social enterprises, has on the whole economy.

Key words: employment, sustainable development, unemployment, informal economy, cooperatives, wages, social and solidarity economy.

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Features of Innovative Development of Consumer Cooperation. P. 12.

The paper considers the prerequisites of innovative economy formation and the features of innovative development of consumer cooperation. The author analyses the role of human potential in the economy of knowledge in the national progress, in the development of the innovation-driven economy; characterizes the scientific component of the innovative activities in Russia in comparison with that in some other countries. The conclusion is drawn that Russian consumer cooperation is falling behind in the adoption of new technologies. Different options (scenarios) for the development of consumer cooperation are given, and the innovative scenario is considered to be preferable. Listed in the paper are types of innovation implemented in cooperative innovation projects, the possibility of their implementation is proved.

Key words: innovative economy, education, information and communication technologies, types of innovations, consumer cooperation.

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From Past to Future. Krasnoyarsk consumer cooperatives, 1895–2015 (As Peer Review). P. 17.

The paper is a peer review of the book published to honor the 120th anniversary of consumer cooperation in the Krasnoyarsk Region. The publication is far from ordinary, it covers the history of the Krasnoyarsk Union of Consumer Cooperatives as a history of people supporting the sys-

tem during the World War II and time of peace, but it also examines the best practices of entrepreneurship and innovation. The paper looks at the trends of innovative development in such industries as wholesaling and retail, public catering, procurement, production, service sector and international trade.

Key words: history of cooperation, innovation.

TOPICAL ECONOMIC ISSUES

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Correlation Analysis in Municipal Budget Forecasting. P. 21.

The article describes the methodology of correlation analysis in forecasting municipal budget revenues with account of market environment trends and tax administration. A preliminary analysis found that there is correlation between the groups of municipal budget items although it is not always very close. The article highlights the need for a more detailed study of budget items within major groups of items. The correlation analysis of the municipal budget items led to the conclusion that most items are closely related. Anomalies for some groups, sub-groups and individual items are identified. The authors suggest evaluating risks before the process of budget forecasting to take these risks into consideration.

Key words: correlation analysis, forecasting, budget, budget item.

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Classification of Investment Innovation Projects. P. 29.

The paper examines the classification of innovations according to the most widely-accepted characteristics. Each type of innovation is related to its projected effect. The author highlights the need for the investment approach to innovation which is essential for improving the quality of innovation management. Best world practices are described to illustrate all types of innovation in order for project participants to develop creative thinking.

Key words: innovation, investment development, investment innovation project.

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The Increased Role of Railway Transport in the Russian Economic and Social Development in Conditions of Globalization. P. 37.

The author analyses the role of railway transport in the economic and social development in Russia. The aim of the research is to identify the trends of railway transport development in Russia in comparison with that in foreign countries. The paper contains the figures and dynamics of the number of employees and personnel costs in Russia and 14 railway companies in Europe, the USA, Canada, China and India in 2000-2013. The author analyses changes in the number of employees, the dynamics and share of personnel costs in the costs of the companies, costs per employee.

The countries are grouped according to certain characteristics, general and specific features of railway transport development are identified. The conclusion can be drawn that the world trends are also characteristic of Russia; Russia is grouped together with developing countries, but it pays a greater attention to social issues.

Key words: economy, sociology, social policy, globalization, railway transport, international comparison.

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Fulfillment of Conditions of Tender Public Procurement Agreements by Suppliers in Economic Instability. P. 48.

The article considers the issues related to the fulfillment of conditions of tender public procurement agreements by suppliers, such as lobbying, payments to officials and failure to supply in conditions of economic instability in the Russian Federation.

The authors analyze losses associated with the terms of payment for goods, raw materials, work performed. Special attention is given to inflation and its correlation with payment terms.

Key words: procurement management, tender, public procurement, inflation and instability of the economy, lobbying, efficiency of fulfillment of contractual obligations.

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Ostracism of Elements within the Hierarchy in the Context of Vitality of Relationship between Market Actors in Modern Conditions on the Basis of Classical Theory of Firm. P. 52.

The article considers the classical theory of firm in modern conditions: its structure, performance, management units, as well as the behavior of consumers in positive and negative economic conditions. It addresses the issues of modern management arising in any company due to numerous levels of command and organizational communication, as well as the quality, speed and vitality of information among them. Social interaction may remain unchanged for a long period of time; however, in favorable or unfavorable market conditions a set of rules aimed at maintaining internal relations can dramatically change. The conditions of company viability in the current economic situation are identified. It is shown that changes affect the motivation system, the number of management units and lead to remodeling, reshaping the hierarchy. It is proved that the phenomenon of ostracism can be seen as relations between entities within the hierarchy. Such motivation provides efficient transfer of internal information about tasks, orders and regulations.

Key words: economic conditions, limited segments, social relations, sanctions, ostracism, reputation.

EDUCATION ISSUES

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The Requirements to Final Qualification Research Papers in Economics in Modern Conditions. P. 59.

The paper deals with the problems arising at the new stage of Russian higher education reforms, in the context of recently approved federal state education standards. The authors suggest a new approach to developing requirements to final qualification research papers in Economics.

Key words: final qualification research paper, federal state education standard, bachelor, master, specialist.

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The Origins, Driving Forces and Forms of Compassion: Evolution of Philosophic and Religious Concepts. P. 66.

The paper provides a comparative analysis of religious, philosophic concepts of compassion and their practical implementation. The author determines rational and irrational elements of compassion in order to analyze the dichotomy of views on compassion: compassion as a product of influence of religious concepts and compassion as a natural human quality similar to altruism in the animal world. The author considers the philosophically derived alternative of mercy and justice as a reflection of two historically established systems of ethics: ethics of good and ethics of fairness, equivalence and excess. The authors analyze the sources and driving forces, the process of institutionalization of compassion in the evolutionary perspective: from the ancient community institutions to formalized practices of charity and social care as a part of complex political and legal mechanisms for maintaining social order, integration and viability. Christianity is taken as an example to illustrate religious approaches to the phenomenon of compassion.

Key words: ethics of good, ethics of duty, morality, justice, compassion, charity, social work.

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Pedagogical Design in E-Learning. P. 76.

The article studies pedagogical design as a pedagogical technology ensuring effective use of educational resources in e-learning.

Pedagogical design in distance learning is essential for developing e-courses with minimal costs and good results. Pedagogical design tools ensure the right sequence in e-course development: their design, production and implementation.

Key words: e-learning, educational technologies, pedagogical design.

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The Functions of Mentoring and Classifications of Mentors in Initial Teacher Training in Great Britain. P. 80.

The article provides the analysis of the literature devoted to identifying the role, functions, professional knowledge, skills and personal qualities of mentors engaged in Initial Teacher Training in Great Britain. Two classifications of mentors are presented. The first classification is based on the idea how mentors understand their professional roles. The second classification illustrates the main approaches to mentoring (pragmatic and discursive approaches).

Key words: mentoring, mentors, Initial Teacher Training in Great Britain, classifications of mentors, functions of mentoring, personal qualities and professional skills of mentors

MATHEMATICAL METHODS IN ECONOMICS

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Methodical Approach to the Assessment of the Investment Policy of an Enterprise. P. 88.

The authors propose the approach to be used in order to assess whether a company has an investment policy, the approach is based on calculating the entropy of investment in its resource potential. The investment policy exists in the company in case of the constant state of entropy in the dynamics during the period under analysis. The constant state of entropy reflects development of investment policy, ensures the optimal structure of investment in a company real potential.

Key words: investment, investment policy, investment structure, entropy.

THEORETICAL AND APPLIED ASPECTS OF MATHEMATICS

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Morphometry as a Starting Point in Modeling Spinal Motion Segment. P. 93.

The paper deals with developing a mathematical model of a spinal motion segment which requires a number of parameters describing a spine structure. The data obtained allows qualitative assessment of the norm and pathology in spinal structure when using computer tomography. Boundary parameters are determined for modeling pathologies in spinal motion segments.

Key words: mathematical model of a spine, computer tomography, modeling pathologies.

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Unit Groups of Integral Group Rings. P. 103.

The article provides a review of literature studying the structure of a unit group of integral group rings and describes a new method of the authors in the study of these issues for group rings of finite groups. This method allows making abstract calculations in group rings with the use of computer technologies which facilitates testing for presence of some important unit group properties needed to develop stable cryptosystems.

Key words: group, group ring, linear representation, character of linear representation, the field of algebraic numbers, field automorphism.

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A Model of Phase Transition in the Process of Continuous Metal Molding. P. 112.

In the paper the author considers a two-phase two-dimensional stationary model of the liquid-solid phase transition. In the case of one-dimensional process the author finds a class of particular solutions. The author obtained a theorem on local (in a neighborhood of one-dimensional solution) existence of solutions in the classes of smooth functions.

Key words: phase transition, Stefan problem, continuous molding.