

Pedagogy and Psychology

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Methodology of Multiple Worlds in Shaping Pedagogical Professionalism

Keywords: pedagogical professionalism; time; thinking; worlds.

Abstract: Shaping of pedagogical professionalism must begin with shaping thinking style of a teacher.

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History, Philosophy and Sociology

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Organizational and Structural Features of Management Innovation in Large Industrial Enterprises

Keywords: management of innovations; organizational and management innovations; industrial enterprise.

Abstract: In the modern world economy, economic development priorities have shifted from production to permanent innovations. The statistics show that the innovation activity of the Russian enterprises is low, as only 6 % of them can be considered innovative-active. This indicates a low efficiency of management of innovative activity in Russian enterprises. In such conditions the most important direction, which will bring the Russian economy to the path of sustainable development is to promote and increase the efficiency of innovative activity at individual enterprises and in the country as a whole. The implementation of organizational and management innovations in economic and innovative activity of industrial enterprises leads, on the one hand, to the improvement of efficiency of innovative activity, and on the other hand, to the improved results of enterprise performance, which testifies to the special role of these innovations for increased competitiveness of industrial enterprises. The author proposes to consider the control system of organizational and management innovation through structural and functional characteristics.

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Expansion and Contraction of Social and Philosophical Issues of Technical Design Given Ongoing Scientific and Technological Innovations

Keywords: engineering design; system approach; system design; technoscience; fundamental (knowledge-driven) research; applied (demand-driven) research and biotechnology.

Abstract: The article considers the problem of expansion and contraction of social and philosophical issues of technical design given the ongoing scientific and technological innovations. The effects of technological progress on the process of engineering design are shown. The causes of a systematic approach to engineering design, methods of its application are analyzed. The main technical features of design view of the ongoing scientific and technological innovations are identified.

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The Philosophy of Education in the U.S.: Dominants and Trends of Development

Keywords: civil education; individualism; independence; patriotism; education of American progressivism; pragmatism pedagogy; freedom.

Abstract: This article analyzes the philosophical and educational thought of the United States. We consider the pedagogical ideas of the «father» of American progressivism Francis Parker and the leader of pedagogy pragmatism John Dewey. According to the author, the dominant American educational thought is civil and patriotic education, fully reflecting the American lifestyle and the American system of values formed in the course of historical development of country.

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Structuring the Factors Determining Staff Interaction at Large Industrial Enterprises

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Keywords: human resources; staff interaction; factors determining staff interaction; competitiveness; production activity.

Abstract: With the development of market relations in an enterprise growing influence HR strategy and HR policy, planning work with the staff to achieve the strategic goals of the company, strengthening its competitiveness and preservation. This article describes the structure of internal and external factors that determine the interaction of the staff of large industrial enterprises.

Philology

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Concepts «Good» And «Evil» in the Discourse of Computer Games: Semiotic Aspect

Keywords: concepts; computer games; good; evil; lingvoculture.

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Abstract: In this article we analyze the concepts of good and evil and their representations in modern computer games. The good and evil are represented not only as a mental structures, but also as a symbolic phenomenon, which has a special connotation. The both concepts are the base of the game system, without which it is impossible to image the game structure.

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Modern English Computer-Gaming Slang

Keywords: computer-gaming slang; computer games; gamers.

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Abstract: People who are professionally engaged in computer technology or use a computer for other purposes (for entertainment, communication, etc.) are included in the so-called social and professional computer-based group. This group includes the so-called gamers, i.e. people who play computer games. Professional language of these groups is a relatively new and dynamically developing linguistic subsystem. In this article we examine the modern game slang, describe its basic features and parameters. Also, we provide an analysis of the formation of new words within the gaming slang.

Mathematical Methods and Models

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About Some Modification of the Balanced Algorithm of the Solution of Problems of Transport Routing

Keywords: problem of collection; optimum route; balanced algorithm; dichotomizing division of vertices.

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Abstract: In the article modification of the balanced method is considered, it is offered to define the quantity of routes and, proceeding from it, make filling of routes instead of dichotomizing division of vertices into groups. Flowcharts reflecting evident work of algorithm are offered.

Computer Science

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Optimal Electromagnetic Compatibility Frequency Plan Composition Method for Radio-Electronic Devices

Keywords: electromagnetic compatibility; genetic algorithm; frequency plan; optimization method; object of communication.

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Abstract: Optimal EMC frequency plan composition method for radio-electronic devices of fixed and mobile communication objects is proposed. Principles of the genetic algorithm application as a method optimizing choice of frequency and antennas combinations for communication paths are disclosed. The article also shows comparative results of optimal frequencies and antennas combinations finding process mathematical modeling with proposed method, on the one hand, and by using the «brute force», on the other hand.

Economic Sciences

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Securing Grain Production Competitiveness through the Introduction of Innovative Technologies

Keywords: competitiveness improvement; Russian grain farming; innovative technologies; crop acreage; logistics.

Abstract: The paper identifies the main reasons preventing the introduction of innovative technologies in the Russian grain farming. Based on the data ways to improve the competitiveness of grain products through innovation have been determined.

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The Main Directions and Tools to Ensure Sustainable Development of Rural Economic Areas

Keywords: tools for sustainable development; mechanism; rural areas; sustainable development; efficiency.

Abstract: The paper describes the main directions and tools for the sustainable development of rural areas; an assessment of the sustainability of socio-economic development of rural settlements has been made.

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Municipal Level to Stimulate Innovative Activity of Small Enterprises

Keywords: innovation activity; municipal management; small innovative enterprises.

Abstract: The article is devoted to the problems of stimulation of small business innovation activity in Russian Federation. The aim of the study was to develop a mechanism to increase the innovation activity of small enterprises at the municipal level. The problems of development of financial institutions to support innovations, financial and production-technological subsystems of innovation infrastructure, personal provision of innovation activity are given on the example of municipalities of the Kaliningrad region. The mechanism of stimulation of innovation activity of small business at the municipal level proposed by the authors includes stages, directions, a set of tools and related activities. The given information and advice could be used in working out special municipal and regional programs to support and develop small enterprises.

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Problems of Tax Evasion and Methods of their Control

Keywords: fiscal politics, methods of struggling against tax evasion, reasons for tax evasion, taxes, tax crime, tax evasion, ways of evasion.

Abstract: The authors considered the problems of tax evasion, revealed their causes and consequences, studied the applicable methods of evasion, and proposed methods to fight tax evasion.

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Quality Management System in Construction

Keywords: competitiveness; construction; formation; increase; management; market; policy; quality; role; situation; system; trend.

Abstract: The paper considers the system of quality management in construction. The issues of quality improvement of construction products have been discussed. The role of certification in quality management has been shown.

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Models of Evaluation of Innovative Potential of Economic Systems

Keywords: innovative activity; innovative development; innovation capacity; model;

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evaluation; economic system management; economic growth.

Abstract: Currently there is an urgent need to study the model for the evaluation and management of innovative development of economic systems, in connection with the fact that the existing approaches have a number of defects. The proposed model allows evaluating separate data for innovative development, namely, innovation risk, innovative potential and innovative activity, as well as the level of innovation development in the economic system in general. This allows adjusting innovative formation of various techniques and methods in different compositions with the determination of the results of adjustment.

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Specificity of Determination of Labor Market Institutions

Keywords: new institutional economics; labor market; institution; rules.

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Abstract: The article deals with the conceptual determination of labor market institutions. The author describes the different approaches to definition of labor market institutions. Also the author proposes the scheme of determining labor market institutions as a complex of economic agents, rules and external enforcement mechanisms rules.

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On Theoretical Approaches to the Analysis of Corporation from Positions of Organizational Economics

Keywords: contracts; corporate regulation; negative contractual externalities; regulatory structures; transaction costs; economic regulation.

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Abstract: The article analyzes and systematizes institutional approaches to corporation in line with organizational economics. The conducted studies suggests that methodology of organizational economics built on the comparative transactional analysis increasingly meets the current level of economic cooperation and allows to explore corporations not only as a particular form of business organization, but also as a structure that optimizes the level of transaction costs.

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On Evaluation of the Results of Implementation of Socio-Economic Development of the Region

Keywords: gross regional product; indicator; program; region; socio-economic development; strategic planning.

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Abstract: The paper discusses the problem of an adequate assessment of the results of implementation of programs of socio-economic development of the region and the achievement of strategic planning objectives. On the basis of implementation of program documents of medium-term and long-term regional planning the assessment of the target of socio-economic development of the region by two productivity indicators has been made.

Legal Regulation

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Market Share as Basic Prerequisite of the Dominant Position

Keywords: antimonopoly law; competition; market; dominant position; product; enterprise; market power; market share; entrance barriers.

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Annotation: The article covers applicable methods of establishing dominant position in the market at modern stage both in Russia and abroad. There is also a review of the volume of market share that confirms dominant position according to antimonopoly laws in various jurisdictions. Upon results of the analysis the author comes to the conclusion that the Russian practice tends to be stable in terms of its adherence to definition of the market dominance based on market share.

Scientific Reviews

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Dominants and Trends of Development Education in the U.S.

Keywords: civil education; individualism; independence; patriotism; education of American progressivism; pragmatism pedagogy; freedom.

page 100-101

Abstract: This article D.V. Lepeshev analyzes the philosophical and educational thought of the United States. We consider the pedagogical ideas of the ‘father’ of American progressivism Francis Parker and the leader of pedagogy pragmatism John Dewey.