

ABSTRACTS**SECTION I. REGIONAL ECONOMY****Modern approaches to the public administration of regional economy in the context of the problems of innovation development**

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The present article considers methods of economy public management, which can be used public authority, reveals mechanism of purposeful regional economy management, which unites public management and market self-regulation. Also, separately considered the role of government order in stimulation regional demand for innovation, as method of public management.

Keywords: new public management, regional economy, stimulating the demand for innovation, innovation development.

SECTION II. ECONOMIC-MATHEMATICAL MODELING**Boundary value problems in economic dynamics with approximate fulfilment of boundary conditions. Constructive study**

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Linear boundary value problems for functional differential systems are considered when the number of boundary conditions is greater than the dimension of the system in the case of approximate fulfilment of boundary conditions. Boundary value problems are connected with studying the problems on the attainability for given indexes of development to the economic system under consideration. The approach is based on theorems whose conditions allow one to check up them by special reliable computing procedures.

Keywords: economic dynamic models, boundary value problems, computer-assisted study.

Application of passenger traffic monitoring for suburban train journey payment arrangement

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The way of monitoring results static handling consisting of probability distribution function for number of passengers travelling between all possible pairs dispatch and receiving stations are presented in the paper. The ways of ticket agents job planning are presented too.

Keywords: passenger traffic monitoring, probability distribution, queueing system.

Optimal planning of railway infrastructure renewal (based on «Banedanmark» company experience)

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This article describes the ways of reducing the costs associated with maintenance and renewal of railway infrastructure. Cost reduction is achieved by determining the optimal moments for renewal. The paper presents method of solving the problems and the results of numerical experiments conducted for the Denmark railways.

Keywords: railway infrastructure, modernization, optimal planning.

Evolution of general equilibrium theory

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In the article the authors review the evolution history of the general equilibrium theory (GET), show that the GET problem existed long before Walras' law. The authors also distinguish GET as a static Marshall-Walras theory and as a dynamic theory and point out micro- and macroapproach in GET. Some contemporary tendencies of GET development and the opportunities of its expansion are shown.

Keywords: general equilibrium theory.

SECTION III. INNOVATION DEVELOPMENT

Evaluation of the financial potential of innovative enterprises and groups of companies with multi-criteria optimization

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In the article reasoned the use of multi-objective optimization method and the analytic hierarchy process for evaluation the economic potential of industrial enterprises. Determined interrelation between the concepts: cluster, a group of companies, the economic potential. Evaluated ratio of financial potential of industrial enterprise and group of companies with basic provisions of a comprehensive economic analysis, the theory of multi-objective optimization, elements of the theory of fuzzy sets.

Keywords: financial potential, economic potential, multiobjective optimization, cluster, consolidated reporting.

Statistical analysis of the innovation sectors of the economy in Russia

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This article provides an analysis of the innovation economy in Russia, analyzes the dynamics of the main indicators of the innovation sector of the country, an analysis of innovative activity in a regional context.

Keywords: innovation economics, statistical analysis, analysis of innovative activity of regions.

Typology of the personnel of the regional innovative enterprises as means of increase of level of their economic safety

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In article is considered the problem - typology of the personnel with the deviating behavior significant for economic and personnel safety of the innovative enterprises. Definition "norm of behavior" is formulated, necessity of the new approach to its definition in modern conditions is proved, and also the typology of the personnel with the deviating behavior is presented: the personnel with an unstable stereotype of behavior; the personnel with a proof stereotype of behavior; the personnel with inadequate reaction to administrative influences.

Keywords: the innovative enterprise, economic safety, a norm of behavior, behavior of the personnel, personnel typology.

The estimation method of scientific and technical potential of the Russian Federation regions

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The present article develops theoretical and methodological approach of method of scientific and technical potential of the Russian Federation regions, also it gives main results.

Keywords: scientific and technical potential, region, developing innovation system, methodology, innovation attraction, fuzzy-set theory.

SECTION IV. INSTITUTIONAL ECONOMICS

International experience of public-private partnerships in the economically developed countries: institutional aspect

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The article summarizes international experience of public-private partnerships (PPP) in the economically developed countries such as UK, Ireland, France, USA and Canada. The legislation and the institutions for PPPs development are in the focus of the research. This is due to determine the world best practice in order to create favourable facilities for PPPs in Russia.

Keywords: public-private partnership; center for PPPs development; value for money (VFM).

SECTION V. HUMAN RESOURCE MANAGEMENT

Motivation of knowledge workers

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Working activity of knowledge workers is specific, in any sphere, where the workers are don't work. Knowledge workers in corporation also are differ on the structure of incentives to employees whose work is concerned primarily with the performance of routine operations, not involving the creation of new information. The author is attempts to clarify and refute a number of common provisions of the motivation of knowledge work.

Keywords: motivation of work, knowledge work, de-motivation, need for information, need for creation.

SECTION VI. AUDIT

The new point of view of receipt audit evidence of audit of plant and equipment

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Method of realization audit of plant and equipment is considered in the paper. The materials of the article take into account fulfill the require of new audit standard № 7/2011 «Audit evidence» and modern point of view of accounting of plant and equipment.

*Keywords: audit evidence, audit, audit of
plant and equipment, audit procedures.*