

## **ABSTRACTS**

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### **THEORY AND METHODS OF PRODUCTION MANAGEMENT**

*Bukreeva I.N.*

#### **SCIENTIFIC APPROACHES TO THE ORGANIZATION OF THE PRODUCTION SYSTEM**

The article discusses the use of various scientific approaches to the organization of the production system. The definition of the production system from the standpoint of process and system approaches, defined the essence of the organization of the production system

*Key words:* production, system, the organization of the production system.

*Popikov A.A., Rodionova V.N.*

#### **METHODS OF ORGANIZING PRODUCTION PROCESSES OF HIGH-TECH ENTERPRISES**

The article considers the distinctive features of high-tech enterprises and specificity of the organization of production processes, and a classification defined progressive methods of production processes of high-tech enterprises

*Key words:* methods of organizing production processes, knowledge-intensive enterprise.

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### **PRODUCTION MANAGEMENT PRACTICE**

*Shkarupeta E.V.*

#### **PRACTICAL BASES OF SCIENTIFIC AND TECHNOLOGICAL DEVELOPMENT OF THE KNOWLEDGE-INTENSIVE PRODUCTION**

In article the current state of scientific and technological development of the knowledge-intensive production on the example of mechanical engineering of the Voronezh region is considered. A number of specific proposals on development of branch science of mechanical engineering is put forward. Experience of development of methodical approach to an assessment and the forecast of scientific and technological development of the knowledge-intensive production is considered

*Key words:* scientific and technological development, potential, mechanical engineering, forecast of scientific and technological development.

*Ivanov I.A., Aliyarova E.S.*

#### **IMPROVING THE EFFICIENCY OF SMALL INDUSTRIAL ENTERPRISES ON THE BASIS OF ACTIVITY BASED COSTING**

Relevance of applying the method of Activity Based Costing (ABC) in the small industrial enterprises is considered. The observed reliability measures for complex technical systems restored in the process of application are offered. The expediency of the application these measures in determining the degree of failure of the functional properties in the ABC is proved. The economic effect of application these measures for a particular organization is calculated

*Key words:* Activity Based Costing, the degree of failure of the functional properties, critical function, failure intensity, expenditures intensity

*Poskochinova O.G.*

## **METHODICAL ASPECTS OF MODELLING AN ENTERPRISE RISK MANAGEMENT SYSTEM**

The article deals with a methodical approach to conceptual modelling of the enterprise risk management system

**Key words:** enterprise risk management, conceptual modelling, risk management system, integrated risk management.

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## **COMPANY MANAGEMENT**

*Kurbatova S.P., Turovets O.G.*

### **THE DEVELOPMENT OF THE STRATEGIC MANAGEMENT OF KNOWLEDGE-BASED BUSINESSES**

In terms of modernization of the economy become important issues of harmonization of operational and strategic management settings. The study of the current state and prospects of development of domestic high-tech market, makes it possible to conclude that a significant obstacle functioning knowledge-based enterprises is the lack of effective strategic management of knowledge-intensive enterprises

**Key words:** strategic management, development, program management, software-oriented approach, strategic objectives.

*Costina G.D., Torgashova A.V.*

### **RELATIONSHIP MANAGEMENT OF ENTERPRISES IN THE IMPLEMENTATION OF HIGH-TECH PRODUCTS**

The author considers the control system as a purposeful impact for the effective interaction of the manufacturer's strategic business units within the constraints and risks in the market of high-tech products to the successful implementation of products, and as a result of the planned acquisition profits and meet strategic business units

**Key words:** high-tech products, control system, the enterprises, strategic business units.

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## **ECONOMIC PROBLEMS OF PRODUCTION ORGANIZATION**

*Shendrikova O.O.*

### **THE METHOD OF THE DETERMINING DIRECTIONS INCREASING THE EFFICIENCY OF THE SYSTEM PRODUCTION AT THE INDUSTRIAL ENTERPRISES**

The article is devoted to the development of a tool to enable selection of the most priority directions of increase of efficiency of production, identification of the factors and their influence on efficiency, determination of reserves and needs of production resources.

**Key words:** method, efficiency, the system production, resources, the increasing of efficiency.

*Moiseeva N.K., Goncharova T.N.*

**EVOLUTION OF MARKET RELATIONS ON THE BASE OF OPEN INNOVATIONS  
MODEL**

This article considers features of partnership development in terms of "open" innovations. Structural scheme for business performance ensuring on the base of applying the elements of automatic control theory is developed. The model and structure of procedures for transition to "open" innovations in terms of strategic alliances are given

**Key words:** "open" innovations, model, efficiency, business, strategic alliances, business partners.

*Kazmina I.V.*

**MECHANISMS TO ENHANCE INNOVATIVE ACTIVITY OF INDUSTRIAL ENTERPRISES IN THE REGION**

In the article the analysis of actions for stimulation of innovation activity of industrial enterprises and of mechanisms to encourage their innovative activities. Using the results of analysis of actions for stimulation of innovation activity of enterprises, the basic mechanisms government incentives and official data of Rosstat investigated the situation on stimulation of innovation activity at enterprises of the Central black earth Central-Chernozem region of Russia

**Key words:** mechanisms of stimulation of innovation activity, investment potential, innovative activity, and stimulation of innovation.

*Bukreev A.M., Klyuchinsky O.M.*

**MONITORING OF REALIZATION OF MANAGEMENT BY INVESTMENT POLICY  
AT MACHINE-BUILDING ENTERPRISE**

In article monitoring of the mechanism of management by investment policy of machine-building enterprise which is possible is offered is applicable the enterprise for work in the domestic and foreign markets, will allow to reach with success goals and adequately to estimate risks to financial managers of the company

**Key words:** monitoring, system of internal control, investment risk.

*Zharikov V.D., Zharikov R.V., Zharikov V.V.*

**FORMATION OF CLUSTERS IN INNOVATIVE ECONOMY**

In article formation of clusters on the basis of outsourcing of the large enterprise, on the basis of subsector, intersectoral is considered

**Key words:** cluster, outsourcing, innovative economy, strategy, infrastructure.

*Shamaev E.A.*

**STRATEGY DEVELOPMENT AND PRODUCTION OF NEW PRODUCTS**

The production of knowledge-intensive products in Russia was sharply reduced in the last decades owing to an insuperable lack in technology. As one of the ways to improve the efficiency of high-tech enterprises and their competitiveness is proposed the use of cooperative principles

**Key words:** new products, strategy, technology-intensive enterprises, competitiveness, cooperation.

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## REGIONAL ASPECTS OF THE ORGANIZATION OF MANUFACTURE

*Lysenko A.N.*

### MODEL OF THE SYSTEM OF MANAGEMENT OF INNOVATIVE DEVELOPMENT OF MACHINE-BUILDING ENTERPRISES ON THE REGIONAL LEVEL

The article discusses the model of the system of management of innovative development of machine-building enterprises at the regional level, determined its basic structural elements. Special attention is paid to the mechanism of management, which consists of two main components: organizational and economic mechanism and the mechanism of management of human capital. The latter acquires its relevance when moving the machine-building enterprises of the region and the whole economy to the innovative way of development, where the key role belongs to the man and his ability to innovate

**Key words:** innovative development, region, machine-building enterprise, the system of management.

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## MODELING OF INDUSTRIAL SYSTEMS

*Borodach Y.V.*

### SIMULATION STUDY OF THE EFFECTIVENESS OF A MATERIAL MANAGEMENT

In this article an analysis of the rationale for the formation of the model performance evaluation of materials management in assembly production. The necessity of forming apparatus evaluation of materials management in assembly production. It shaped the direction of the use of the model, analyze the advantages and disadvantages of this model. Proposed as one of many possible models for assessing management effectiveness

**Key words:** factors, the efficiency, the model, estimation, material flow, assembly production.

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## INFORMATION TECHNOLOGIES IN PRODUCTION MANAGEMENT

*Efremkova T.I.*

### DETERMINING THE SIZE OF THE DEFICIT INVENTORY A PROBABILISTIC MODEL OF INVENTORY MANAGEMENT

The article deals with the modern approaches to the characterization of probabilistic models of inventory management and propose approximate methods for calculating the deficit of inventory in a complex theoretical and empirical distributions of demand with the use of MS Excel

**Key words:** inventory management , cluster, demand is random, the theoretical distribution, the empirical distribution , the deficit, the methods of calculation.

*Grebenyuk V.M.*

### BUILDING A QUALITY PROGRAM ORGANIZATIONAL STRUCTURE FOR COMPLEX INFORMATION SYSTEMS

The article is outlining best practices of building quality programs in various types of information systems and its purposes. It is also revealing the specific of complex (so called "System of Systems") information systems, highlighting the differences in the purposes of quality programs required for such systems in comparing with what is used for common types of information systems.

Additionally, the article contains an overview of the quality program organizational structure proposed to be used for complex information systems which is build based on the results of this research with regards to the specific of complex systems.

**Key words:** complex systems, information systems, quality assurance, organizational structure.