

## **ABSTRACTS**

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

*Popikov A.A.*

#### **SYSTEM-PROCESS APPROACH TO THE ORGANIZATION OF PRODUCTION KNOWLEDGE-BASED ENTERPRISES**

This paper proposes an approach to the organization of production processes through the integration of system and process concepts, allowing to take into account features of the high technology enterprise

**Key words:** organization of production processes, high-tech enterprises, system-process approach.

*Kablashova I.V., Tsukanova A.A.*

#### **DEVELOPMENT OF FORMS OF ORGANIZATION OF PRODUCTION PROCESSES IN THE CONTEXT OF QUALITY ASSURANCE**

Highlighted the concept of quality of production and labor processes, considered the content of the quality of the production process, the principles of the organization of the quality assurance process. Examined the relationship of goals and objectives of the organization of production and labor process in the context of quality assurance

**Key words:** quality, production process, the organization of production, the labor process, socio-technical system, the principles of quality management processes of the organization of production.

*Mustafaeva D.G., Mustafaev M.G.*

#### **EXPERT SYSTEMS IN THE ORGANIZATION AND MANAGEMENT OF PRODUCTION PROCESSES**

Considered possibility of raising efficiency functioning of production system based on the application of expert systems and conducting process control

**Key words:** management, efficiency, information, expert system, control.

*Hvostikova V.A.*

#### **IMPROVEMENT OF COST MANAGEMENT TAKING INTO ACCOUNT THE RECUR- RENCE OF DEVELOPMENT OF THEORY AND METHODS OF MANAGING COSTS AT INDUSTRIAL ENTERPRISES**

Explores the patterns of development of theory and methods of cost management to confirm the hypothesis about the presence of cycles in a circuit which, under certain conditions, updated on a new level concepts and methods of cost management

**Key words:** paradigm of cost control, the method of analogy, periodization cost management, spiral development of methods of cost management.

*Shcherbakova E.A.*

#### **SYSTEM APPROACH TO THE MANAGEMENT OF A COMPANY LIFE CYCLE**

The system approach to the management of a company life cycle by means of consideration of a business cycle is described in the article. The business cycle includes the management of an information sources cycle

**Key words:** company life cycle, business cycle, information sources cycle.

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## **PRODUCTION MANAGEMENT PRACTICE**

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

#### **UPDATING THE DEVELOPMENT PROCESS OF HIGH-TECH ENTERPRISES SECTOR**

The relevance and prospects of development of knowledge-based enterprises due to the general requirement of the state in socio-economic, innovation and scientific and technological development

**Key words:** knowledge-based industries, high technology enterprise, research, perspectives and priorities.

*Bychkov V.P.*

#### **THE FORMATION OF THE RHYTHMIC EFFECT OF TRANSPORT FOR MAINTENANCE OF FURNITURE ENTERPRISES**

The peculiarities of formation of economic benefit for the activities on the organization of transport on the smooth operation of the enterprise furniture production

**Key words:** furniture enterprise, transport and delivery of goods, the rhythm of the trans-one economic loss effect.

*Sologub E.Y.*

#### **ARTICLE TITLE – DETERMINING THE BEST METHOD OF IMPLEMENTING A PROJECT TO IMPLEMENT A PROCESS APPROACH AND PROCESS IMPROVEMENT**

The process approach to management is one of the leaders in modern management, among other management concepts. However, to date there is no single algorithm for its implementation. Each organization has their own way to go not only to implement the approach, but also on the individual development of the algorithm implementation, which often leads to the failure or refusal of implementation. This article is intended to provide guidance on which way the project to promote the process approach to choose depends on the specific conditions in which the organization is at the moment

**Key words:** a process approach, management, optimization, reengineering, quality management.

*Pidoymo L.P., Buturlakina Y.V.*

**MANAGEMENT IN VIRTUAL ORGANIZATIONS**

The article highlights the requirements for systems management in the new information economy, the basic organizational structure of the management and the possibility of their application in virtual organizations. The description of the functions of management in organizations of a new type with the specific characteristics of virtual organizations

**Key words:** virtual organizations, management in virtual organizations, functions of managements, management and organizational structure.

*Surov V.D.*

**INFORMATION MANAGEMENT OF THE MARKETING RESEARCH**

The article deals with the management of the marketing to gather information in accordance with the steps. An original structure of the mapping of the information field of marketing. Carried out the main characteristics of the target markets, products, customers and competitors. We consider the marketing environment

**Key words:** market research, information field marketing, marketing information, target market, customers competitors, marketing environment.

*Shapovalova Y.P.*

**FEATURES OF THE SYSTEM OF MANAGEMENT OF THE PRODUCTION  
POTENTIAL OF THE ENTERPRISES**

The article considers the features of the control system of the production potential of the enterprises. It is proposed to carry out construction of the system of strategic management of the production potential of using a hierarchical structure with the relationship, which is based on the four subsystems. The proposed management strategy manufacturing capacity is built at the account of such directions, as the introduction of innovations in production, the use of bioenergy potential, formation of the integrated production structures

**Key words:** production capacity, the system of management, production, strategy, information.

*Goncharov V.N., Kolosova E.A.*

**THE ORGANIZATION OF THE CONTROLLING THE SUSTAINABILITY  
OF THE ENTERPRISE**

Disclosed the issues of improving the management of enterprises in a dynamic environment based on the scorecard assesses the level and determine the availability of reserves to increase its stability. The basic principles of formation of compensatory mechanisms, information model, and the functional structure of the system controlling the stability of the enterprise

**Key words:** sustainability, enterprise, index of sustainability, reserves of sustainability, compensative mechanism of support the sustainability, organization of controlling the sustainability.

*Pluzhnova E.N.*

#### **INFORMATION SUPPORT OF MANAGEMENT OF ORGANIZATIONAL CULTURE**

The developed matrix of support of decision-making allows on the basis of the analysis of the situations reflecting a ratio of changes of culture and results of activity of the organization, to define the possible reasons and consequences of behavior of these factors and on the basis of it to develop and accept a package of measures on management of organizational culture

**Key words:** organizational culture, results of activity, administrative decisions.

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### **ECONOMIC PROBLEMS OF PRODUCTION ORGANIZATION**

*Vyatkina T.G.*

#### **ANALYSIS OF THE WAYS OF INCREASING THE EFFICIENCY OF THE RESOURCE POTENTIAL OF THE COMPANY**

The directions of the analysis of enterprise resources are determined. Categories of resources that are part of the company are formulated. The characteristics of the enterprise as a set of resources and skills that form the resource base is given. It was determined that the company's resources are used as components of a firm strategy development. Controls of resource management are used by the enterprise as a source of competitiveness. The principles of efficient use of the resource potential of the company are proposed. A model of evaluation criteria and the resource potential of the company is designed. Designated areas of efficient use of the resource potential of the company

**Key words:** firm's resources, resource potential, the principles of efficient use of the resource potential of the company.

*Rostova E.P.*

#### **INDICATORS OF AN ASSESSMENT OF EFFICIENCY OF INVESTMENTS IN SAFETY OF THE ENTERPRISE**

Indicators of an assessment of efficiency of precautionary actions are presented in article. Actions are directed on increase of reliability of the enterprise and allow to analyze reliability and economic efficiency in a complex for one temporary period or a time interval

**Key words:** reliability, safety, damage, risk, precautionary actions, economic efficiency.

*Kotliarov I.D.*

#### **AN ANALYSIS OF THE OUTSOURCER'S PRICING MODEL**

The present paper contains an analysis of the economic nature of the outsourcer's pricing model. This analysis is based on the understanding of outsourcing as long-term partnership. An algorithm of pricing based on scale economies is proposed. Minimal and maximal order sizes are defined.

**Key words:** outsourcing, outsourcer, price, scale economies.

*Shendrikova O.O.*

#### **THE MODEL OF THE MECHANISM OF INCREASING THE EFFICIENCY OF MANUFACTURING SYSTEMS**

The article is devoted to covering of aspects of model of the mechanism of increasing the efficiency of functioning manufacturing systems

**Key words:** mechanism, manufacturing system, efficiency of functioning.

*Chernysheva G.N., Golovneva T.I., Safin A.M.*

**METHODS TO STUDY PRODUKT INNOVATIONS DEFENSE COMPANIES**

This article discusses major issues and specific updates in the enterprises of the defense-industrial complex. The methods of economic analysis of product innovations in enterprises producing defense products, aimed at the implementation of the priority tasks of the state defense order

**Key words:** product innovation, defense products, SMART-analysis of the objectives of product development. Bank of ideas of creating new products, combat effectiveness, combat competitiveness, evaluation and classification performance, ranking the estimated sample defense products, multi-dimensional comparison.

*Kalyashina A.V.*

**ASSESSMENT OF THE QUALITY OF PRE-PRODUCTION AUTOMOTIVE  
COMPONENTS**

The stable development of enterprises for the production of automotive components involves ensuring world-class quality products and timely updates. The main tool of management - the international standard for quality management system. Process control output should start with pre-production (procedure APQP). At each step of this procedure is formed by a set of requirements. The article defines the system of factors affecting the efficiency of production. Is also considered as errors affected components of profit

**Key words:** autocomponent, international quality standard, APQP process, competitiveness, project, life cycle, pre-production.

*Sotnikova K.I.*

**WHERE TO LOOK FOR THE ROOTS OF INNOVATION : THE RELATIONSHIP BETWEEN INNOVATION AND ENVIRONMENT MANAGEMENT SYSTEM**

The main and decisive factor in the success of the institutional environment for innovation in the creation of the organization is its control system , introduced in turn a set of elements such as the philosophy of the organization and its corporate culture, its principles and used by tools and techniques. A common feature characteristic of the control system best known for its innovative companies , is to appeal to internal staff incentives : the desire for autonomy , the desire for mastery / perfection and the desire to follow the ultimate goal , purpose of the organization. In contrast , traditional systems management features hierarchy, centralization of decision -making , strict control and functionality as a consequence, the lack of motivation among employees to self-improvement and development. To improve the innovative capacity to understand the internal limits that are specified existing control system, and begin the transformation of the system, aimed at creating an innovative environment of the organization through the opening of creative personnel of its staff

**Key words:** governance, innovation, innovation environment, innovation potential.

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## REGIONAL ASPECTS OF THE ORGANIZATION OF MANUFACTURE

*Bukreev E.V.*

### THE ROLE OF MOTIVATION IN THE MANAGEMENT OF ENTERPRISES IN THE INDUSTRIAL REGION

The problems of employees' motivation improvement at the enterprises are considered in this work. The necessity to use of motivation mechanisms, such as income sharing, profit, stock capital, royalty, personal encouragements and etc. are justified

**Key words:** motivation, remuneration management, management functions, profit sharing, stock options, purchase of shares.

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## EDUCATIONAL TECHNOLOGY

*Sytnyk O.Y.*

### SOCIAL PARTNERSHIP AS A FACTOR OF INTENSIFICATION OF HIGHER EDUCATIONAL INSTITUTIONS AND EMPLOYERS COOPERATION

In the article the intensification ways of cooperation in the human capital development field by the social partnership instruments on the basis of employers, higher educational institutions and public and local self-government authorities' collaboration are viewed. The basic research results of professional development possibilities of the workers by activation of employers and higher educational institutions' cooperation are introduced

**Key words:** advanced training, employer, social partnership.

*Knyazeva Yu.S.*

### THE MODEL OF ACHIEVEMENT OF THE UNIVERSITY COMPETITIVE ADVANTAGES IN THE EDUCATION MARKET

The article is devoted to the evaluation of the competitiveness of educational services in the market. Until today, the competitiveness of the various aspects of modeling are far from the final solution. Competitiveness of the university is seen in the article as a function of the four elements - the unique nomenclature, demand for graduates, the development of related processes, the cost of training. Using of mathematical tools and fuzzy set theory was the basis of a mathematical model to calculate the competitiveness of educational services

**Key words:** educational services, competitiveness, mathematical model, the intensification of related processes.

*Kuznetsova M.N.*

### TRAINING OF ADMINISTRATIVE PERSONNEL FOR PRODUCTION: PROBLEMS AND SOLUTIONS

The article examines the importance of training of management personnel for the organization of production in General, particularly in the area of labour protection. Attention is also paid to the order of training and examination of knowledge of labour protection requirements

**Key words:** organization of production, management training, health, knowledge testing and labour protection requirements.