



**MOSCOW INSTITUTE OF RADIOTECHNICS
ELECTRONICS AND AUTOMATICS. CURRENT STATUS OF INTERNATIONAL
STANDARDS ON SOFTWARE AND SYSTEMS ENGINEERING**

V.K. Batovrin

Annotation

This article presents a brief overview of the most important official and actual systems and software engineering standards, defining a methodology for establishing effective systems for various purposes, including information business systems. Specifications currently in force and planned to adopt are considered. The relationship between systems and software engineering standards in the context of processes-maturity-quality and system processes-domain processes-specific processes are described.

Key words: software engineering international standards systems engineering, system-process. ISO, IEEE, OMG, SWEBOK



**INDEPENDENT CONSULTANT, AN APPROACH FOR ARCHITECTURE,
IMPLEMENTATION AND EVOLUTION OF INFORMATION BUSINESS SYSTEMS
BASED ON BPM AND SOA**

A.W. Samarin

Annotation

The aim of this article is to share my experience with the improvement of complex information business systems. This article provides recommendations how to implement systems which are easy to evolve

Key words: Business process management, life cycle, agile development, agile evolution



**THE APPROACH TO THE AUTOMATION OF A CORPORATIVE INFORMATION
INFRASTRUCTURE USER ACCOUNTS MANAGEMENT SYSTEM**

A.V. Boganov

Annotation

Object- and Role- based approach to the organization of effective corporative information infrastructure user accounts management system is analyzed, as well as organization of centralized distribution of privileges of user access to the informational system with regular audit of compliance to the corporate rules, regulations and standards.

Key words: identity management, risk management, user account management, distributed information systems, management of enterprise information systems.



ESTIMATION OF BIOMETRIC SAMPLE CONVOLUTION SIZE REQUIRED TO PROVIDE SPECIFIED RELIABILITY CHARACTERISTICS OF BIOMETRICAL IDENTIFICATION SYSTEM

D.A. Silantyev

Annotation

In work the way of estimation of biometric sample convolution size is offered. The interrelation of convolution size and false access rate and false reject rate is considered. Possibility of biometric identification of a person in the big scales is discussed.

Key words: biometric sample, convolution, size, biometric identification, FAR, FRR.



METHODS OF ELIMINATION OF INCOMPLETENESS OF THE ACCOUNTING DATA IN COMPLICATED SYSTEMS IN SPHERE OF PUBLIC HEALTH

V.V. Mochalkin

Annotation

In given article the problem of incompleteness of the accounting data in complicated systems in sphere of public health is considered. Principal causes of this problem are analyzed on an example of the system of monitoring of the PNP «Health» (Priority national project, «Health»). The solution for elimination of incompleteness of the accounting data is suggested with the help of application of methods of the Data Mining. Results of application of the offered method to the accounting data of system of monitoring of the PNP «Health» are received. The analysis of accuracy of the offered solution is carried out.

Key words: national project, data mining, public health, complicated systems, quality of clusterization, pattern recognition.



ROLE OF MECHANISMS OF INSURANCE IN DECREASE INFORMATION RISKS

A.O. Kalashnikov

Annotation

In article problems of use of mechanisms of insurance for decrease in information risks are considered. It is shown, that under certain conditions insurance mechanisms can promote increase in deductions at carrying out of precautionary actions for decrease in risks, including, in the conditions of the limited financial resources

Key words: insurance, information risks, risk management, damage function.



**MODEL FOR ASSESSING THE EFFECTIVENESS
OF THE OPERATION OF SPECIAL ECONOMIC ZONES**

M.D. Zakharov

Annotation

This article describes the model developed to assess the effectiveness of the operation of special economic zones. Methodological basis for the creation of the model are concepts of «Performance budgeting» and «Balanced Scorecard» (BSC). The joint application of these approaches helped to build a hierarchy of goals, outputs and outcomes, the attainment of which is estimated using the projected key indicators.

Key words: performance budgeting, hierarchy of goals free economic zones, effectiveness assessment, BSC.



**THE MODELING OF THE BASIC PRODUCTION AND SALES PROCESSES.
THE CONCEPT AND THE MODEL
OF «INDUSTRIAL INFLATOR».**

A. R. Gorbounov

Annotation

The article proposes a new approach to the analysis and specification of so called «Medows games» based on the search of fundamental comprehension of productive strength and consumer potential of the society.

Key words: system dynamics, production function, supply function, world dynamics, productivity growth, TFP, structural equilibrium.



**RETROSPECTIVES AND PERSPECTIVES OF SYSTEM-DYNAMICS.
ANALYSIS OF DYNAMICS OF THE SD DEVELOPMENT**

N.N. Lychkina

Annotation

Article reviews history and development of basic directions of system dynamics: application of system dynamics to corporate and government management, management consulting, simulation games, education projects, simulation software.

Key words: system dynamics, strategic management dynamics, system dynamics models of national economic, simulation games, education, management consulting, simulation software.