✦

ABOUT THE QUESTION OF REALIZATION OF ECONOMETRICS MODELS ON THE WEB-SERVER WITH MULTI-USER ACCESS SUPPORT

A. Akopov

Annotation

In the paper the new approach to dynamic scenario modeling, based on «Web-simulation» technology is discussed. The approach represents realization of forecasting models on an imitating modeling platform (in particular, Powersim Studio) integrated with Web-server and a database management system (DBMS). As a result the system provides the possibility of formation user-defined forecasting scenarios with preservation of modeling results in DBMS for visualization and further analysis.

Key words: Powersim, Web-server, econometrics models, system dynamics.

✦

USING CROWDSOURCING TECHNOLOGIES IN LEGISLATIVE ACTIVITY

V. Burov, E. Patarakin, B. Yarmahov

Annotation

In this paper we review the resulst of the experience of the first Russian crowdsourcing project. During this projects participants worked together on improving the draft text of the Russian Education Federal Law. A functional scheme the wiki community, which aims at improving the some specific sections, articles and chapters of a legislative text is offered. Various aspects of the community work are examined. Indicated the direction of development of the ecosystem for crowdsourcing design text is discussed.

Key words: Crowdsourcing, Hypertext, Wiki, Community, Legislation.

✦

SYSTEM-DYNAMIC MODELLING OF THE INDUSTRIAL ENTERPRISE FOR CONCRETE MANUFACTURE

O. Babina, Y. Tolujew

Annotation

In this article the practical example of simulation model of a small industrial enterprise is considered for concrete building branch. The scheme movement of material, financial and information flows is presented. The description of construction model process and received results are presented.

Key words: system dynamics, flow process, simulation model, concrete production, industrial enterprise, Vensim.

CRITICAL EVALUATION OF MODELING LANGUAGES

E. Babkin, V. Knyazkin, M. Shitkova

Annotation

The main goal of this article is critical evaluation of different modeling languages which may be used for administrative modeling in accordance with previously developed method. The results of evaluation may help in determining major functional characteristics of modeling languages and their affordability for the purposes of administrative modeling.

Key words: business process, administrative modeling, general and domain specific modeling languages, public administration, e-government.

METHODOLOGICAL APPROACH TO OPERATIONAL RISK ANALYSIS AND QUALITATIVE EVALUATION IN STATISTICAL INCORRECT ENVIRONMENT

Y. Lavrushina, A. Makarova

Annotation

The article is dedicated to methodological approach to operational risk analysis and qualitative evaluation for foreign economic organization (export-import operations with strategic raw commodities) based upon business continuity criterion score which let the risk analyst solve a problem of operational risk evaluation in statistical incorrect environment due to its «high severity low probability» nature. The authors used their own experience of operational risk evaluation for nonfinancial business.

Key words: internal business environment, business processes, risk factors, expert evaluation, operational risk indices, qualitative operational risk evaluation.

STRUCTURED DOCUMENTS RECOGNITION BASED ON MACHINE LEARNING

S. Golubev

Annotation

In current paper the problem of structured documents recognition is discussed. The system for printed form recognition is suggested including graph document model and method for model generalization based on learning examples.

Key words: form recognition, machine learning, graph document model.

✦

DEVELOPMENT OF INFORMATION SUPPORT SYSTEMS FOR CORPORATE GOVERNANCE AND STRATEGIC MANAGEMENT

D. Isaev

Annotation

In the paper the questions of information support systems for corporate governance and strategic management development are considered. Specific features of such systems as management objects are discussed, a methodological approach to their development is proposed. The generic scheme of development program for such systems includes stages of functional modeling (structured description of the system as a whole), dynamic modeling (presentation of the system's parameters in terms of metrics, taking into consideration their time related changes) and planning stage (scenario choice, formulation of a concept of the system and a general plan for its development).

Key words: performance management system, corporate governance, strategic managemen, information support, development program.

✦

REVIEW OF APPROACHES IN IMPLEMENTATION OF ERP SYSTEMS IN LARGE ENTERPRISES

M. Savchuk, R. Meshcheryakov

Annotation

In this paper some risk factors having an influence in the implementation of ERP-systems in large enterprises are considered. Also some benefits of these systems and methods of reducing implementation and support costs are proposed.

Key words: ERP system, business process, risk factors.