
ABSTRACTS

LEVEL OF ENGINEERS' SCHOOLING IN RUSSIA. REVEALING OF PROBLEMS AND WAYS OF SOLVING THEM

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The results of expert estimations for engineering, engineer's education, and level of engineering schooling in Russia are presented. The possibilities of enhancing of the engineering education are suggested.

Key words: engineering, engineering education, level of schooling.

ON A POSSIBILITY OF ESTIMATION OF POLITICAL SPECTRUM AND POLITICAL TEMPERATURE OF RUSSIAN SOCIETY

STEPAN S. SULAKSHIN

(The Center of Problems Analyses and Governance Design. Moscow, Russia)

A method for estimation of political opinions in a society is suggested. The method was tested on results of sociological interrogations in several cities of Russia in 2011. Some prognostic inferences were obtained.

Key words: Spectrum of political opinions, sociological interrogations, social processes forecasting.

OPEN INNOVATION AND SOCIAL NETWORKING

JOHN POURDEHNAD

(University of Pennsylvania, Philadelphia, USA)

Internet allows building networks consisting of many of its users united by their common interest. Prospects and problems of such social networking of people with the orientation on creation of innovations in business are discussed.

Key words: open innovations, social networks, crowdsourcing.

ON DESIGN OF THE ARCHITECTURE OF SPACE-DISTRIBUTED SYSTEMS WITH TRAVELING MANAGED OBJECTS

MICHAIL A. SONKIN, VLADIMIR K. POGREBNOY

(Tomsk Polytechnical University, Tomsk, Russia)

Space-distributed systems involving stationary and movable components become often used. Two algorithms for design an hierarchical architecture of such systems are suggested, based on a graph model and on a balance between rates of information transmission and capacities of channels. The algorithms demonstrate effective work on real examples.

Key words: distributed control systems, design of the system architecture, optimization of data transmission.

AN OVERVIEW OF INTERACTIVE PLANNING

R.L. FLOOD, M.C. JACKSON

An abbreviated translation of the Chapter 7 from “Creative problem solving: Total systems intervention”. Chichester, UK: Wiley (1991).

Key words: Problem solving, Interactive planning, Idealized design.

WHAT IS SYSTEMS THINKING?

JOHN POURDEHNAD

(University of Pennsylvania, Philadelphia, USA)

Systems thinking offers you a powerful new perspective, a specialized language, and a set of tools that you can use to address the most stubborn problems in your everyday life and work. Systems thinking is a way of understanding reality that emphasizes the relationships among a system's parts, rather than the parts themselves. Based on a field of study known as system dynamics, systems thinking has a practical value that rests on a solid theoretical foundation.

Key words: system, systems thinking, problem solving.

SYSTEMS THINKING, SAFETY AND RISK MANAGEMENT

IRVING WLADAWSKY-BERGER

(<http://blog.irvingwb.com/blog/2012/05/systems-thinking-safety-and-risk-management.htm>)

Financial markets are considered as the complex socio-technical systems, and this requires to go beyond the analytical methods in managing them.

Key words: financial markets, socio-technical systems, risks, safety.

ALINSKY, COMMUNITY ORGANIZING AND RULES FOR RADICALS

MIKE SEAL

(YMCA George Williams College in East London, UK)

Saul Alinsky's work is an important reference point for thinking about community organizing and community development. His books *Reveille for Radicals* (1946) and *Rules for Radicals* (1971) were both classic explorations of organizing and remain popular today. Mike Seal

examines Alinsky's continuing relevance to the activities of informal educators, community organizers and animateurs.

Key words: *Community organizing, community development, governance.*

A PROJECT OF THE SOCIALLY ORIENTED BUDGET-INSURANCE MODEL FOR FINANCING THE MEDICINAL PROVISION IN RUSSIA

VALERIYA V. KOPILEVICH

(Tomsk State University, Tomsk, Russia)

The paper is devoted to problems of improvement of medicine provision in Russia. The existing problems are revealed: inadequate financing of the medicine provision, poor organization of the whole process. A new conceptual model of the medicine provision for population of Russia is proposed.

Key words: *healthcare financing, medicinal provision, national medicinal insurance.*

ON DICTATOR STYLE OF GOVERNANCE

ALASTAIR SMITH

(New York University. USA)

An interview with Prof. A. Smith on some peculiarities of the authoritarian style of management.

Key words: *style of management, dictatorship.*

ON ONE OF REASONS OF THE USSR COLLAPSE

FELIX P. TARASENKO

(Tomsk State University. Tomsk, Russia)

Low efficiency and effectiveness of governance by CPSU is considered as one of primary causes for down-fall of the Soviet Union. Defects and

mistakes in practiced governance technology are discussed; most significant among them were errors in models of the system managed.

Key words: *social systems, governance, modeling, effectiveness and efficiency.*
