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Key words: ore dilution, cluster structure of the deposits, increasing the efficiency of field development, geological-economic estimate, operating conditions, geopotential, large-volume field.

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Key words: acoustic anemometer, the phase-temporal method, the measurement of small expenses, accuracy of calculation of the spectral analiz, transient characteristics of the anemometer.

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In article modern problems of improvement of the organizational and economic mechanism of prevention of crisis situations in activity of enterprise structures are considered. In it methods of diagnostics of crises are analysed. The special attention is given to the characteristic of information and economic instruments of management by competitiveness and stability of development of the enterprise.

Key words: organizational and economic mechanism, prevention of crisis situations, activity of enterprise structures, competitiveness, stability.

Komarova Z.A. THE COMPOSITION AND CAPACITY OF TIN SAMPLE GRANULAR PHOSPHORITE ORES OF THE KOKSU (KAZAKHSTAN) **379**

The results of the study of material composition of the sample with phosphate-siliceous-carbonate ore deposits Koksu. Also provides data on the study of its concentrating different ways: gravity, photometric, flotation. The most rational recognized flotation, which yields from ore containing P_2O_5 23,16% and MgO 2,0% phosphate concentrate plant grade P_2O_5> 30,0% and MgO <1,0%. This work was carried out in the FUSE «SIMCM».

Key words: microgranular phosphorites, material composition, dressability, flotation, phosphate concentrate.

Kurbonov A.S. TWO LEVEL OF AUTOMATED CONTROL SYSTEM OF TECHNOLOGICAL PROCESSES OF THE AREA OF THE PRODUCTION OF LIQUID GLASS. GMZ-1 ..... **389**

Describes the system of dispatch control and data collection, SCADA, which is the basic and the most perspective method of automatic control of complex dynamic systems (processes).

Key words: uranium, gold, automated control system, plastic pipes, computers.

Kuskova YA. THE DEVELOPMENT OF NEW CONSTRUCTIONS OF CONCENTRATION TABLES IN ORDER TO IMPROVE THE EFFICIENCY OF THE ENRICHMENT OF THE MINERAL RESOURCES **393**

It was made new modification of round concentration table allows increasing efficiency of separation, to increase productivity and to lower size of concentrated particles. The concentration table easy copes and regulated, for example, from the programmed industrial microcontroller.

Key words: gravity concentration, a round concentration table, increase of efficiency of separation.

Minnakhmetov I.R. THE USE OF THE HYDRODYNAMIC CATCHER WITH-ORIENTED FLOW OF WASH LIQUIDS TO REMOVE FROM THE BOREHOLE BOTTOM OF THE METAL SCRAP **397**

Considered the use of the hydrodynamic catcher in the layout of the Windows Master to clean the bottom holes of metal scrap at predrilling offshoots.

Key words: hydrodynamic catcher, metal scrap, oriented stream, predrilling side of the trunk.

Nasonov A.A. ANALYSIS OF METHODS OF CALCULATION OF ARTIFICIAL BARRIERS OF MINE WORKINGS **400**

Analysis of the methods used for calculating the loading to the protecting constructions has been fulfilled. The directions of their perfection based on the modern analytical and numerical methods have been suggested.

Key words: rock, the conditional zone of inelastic deformations.

Rogachkov A.V. STUDY OF THE INFLUENCE OF THE VALUE OF THE PATCH ON THE BEARING CAPACITY OF THE ANCHOR ROPE **405**

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Key words: carrying capacity of the roof, the anchor rope, the depth of seeding.

Sultani Anni Hur Mokhammad CONCETUAL MODEL OF GUARANTEEING RUSSIAN SUPPLIERS AND SUBCONTRACTORS PARTICIPATION IN REALIZATION OF OIL AND GAS PROJECTS **410**

Preparatory process for the development of offshore fields is a very capital-intensive. As Russian companies don't have experience of offshore equipment and necessary technology, the majority of contracts for the supply of equipment and services can be transferred to foreign partners. However, even if the possibility of providing necessary services or equipment, Russian suppliers are not guaranteed participation in the projects. Study international experience in regulating the relationship between mining companies and contractors will develop recommendations for Russian oil and gas projects.

Key words: oil and gas fields; offshore; suppliers; state control.

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Presented material, reflecting the results of realization of programs of improvement of production in the departments of the branches of JSC «SUEK-Krasnoyarsk». Is designed for managers and specialists who are interested in increasing the value of its activity at the enterprises, in the regional production associations, management companies.

Key words: coal, labor protection, production, methane, production safety.

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