

CONTENTS

| | |
|--|-----|
| Geology | 5 |
| R. K. Kamarov, N. M. Zamaliyev, D. R. Akhmatnurov, R. A. Musin. Setting the volume and location of the gas collectors of abandoned coal mines. | 5 |
| V. M. Gulyi, O. V. Kostyuk. Peculiarities of geological-structural position, composition and origin of the silver-bearing ores of the Cobalt-Gowganda area (Canadian Shield) | 12 |
| Mining | 21 |
| V. I. Bondarenko, K. S. Sai, Process pattern of heterogeneous gas hydrate deposits dissociation | 21 |
| O. Ye. Khomenko, M. M. Kononenko, I. G. Myronova, A. K. Sudakov. Increasing ecological safety during underground mining of iron-ore deposits | 29 |
| Geotechnical and Mining Mechanical Engineering, Machine Building | 39 |
| K. Zabolotnyi, O. Zhupiiiev, A. Molodchenko. The effect of stiffness of shoe brake elements on the distribution of contact pressures | 39 |
| V. P. Franchuk, K. A. Ziborov, V. V. Krivda, S. O. Fedoriachenko. Influence of thermophysical processes on the friction properties of wheel – rail pair in the contact area | 46 |
| O. I. Voloshyn, I. Yu. Potapchuk, O. V. Zhevzhyk. Influence of the heat-transfer stream pressure on the surface of the rock in a process of the thermal reaming of the borehole | 53 |
| I. V. Belmas, D. L. Kolosov, A. L. Kolosov, S. V. Onyshchenko. Stress-strain state of rubber-cable tractive element of tubular shape | 60 |
| Electrical Complexes and Systems | 70 |
| O. Bialobrzheskyi, D. Rod'kin, A. Gladyr. Power components of electric energy for technical and commercial electricity metering. | 70 |
| A. V. Zhurakhivskyi, T. V. Binkevych. Models of probabilistic evaluation of intensity of disconnection of overhead transmission lines caused by a lightning discharge | 80 |
| Environmental Safety, Labour Protection | 87 |
| Yu. I. Cheberiachko, N. A. Ikonnikova, I. M. Cheberiachko, A. A. Yurchenko. Experimental studies on polypropylene filter resistance according to DSTU EN 143-2002 | 87 |
| Y. A. Abramov, O. E. Basmanov, J. Salamov, A. A. Mikhayluk. Model of thermal effect of fire within a dike on the oil tank. | 95 |
| O. O. Lapshyn, V. A. Shapovalov, M. V. Khudyk, O. L. Shepel. Industrial research on dust trapping efficiency by the fiber filter in aspiration shelters of reloading units | 101 |
| Information Technologies, Systems Analysis and Administration | 107 |
| N. O. Kniazieva, A. S. Kalchenko. Quality control of multimedia services in mining enterprises' corporate networks | 107 |

| | |
|--|-----|
| V. Davidavičienė, I. Aleliūnas, J. Sabaitytė. EUROSAC ITWG model adoption for new IT audit framework: e-government cases | 114 |
| Economy and Management | |
| Ye. I. Zaiats, T. S. Kravchunovska, V. V. Kovalov, O. V. Kirnos. Risk level assessment while organizational-managerial decision making in the condition of dynamic external environment | 123 |
| S. Tulchynska, N. Shevchuk, V. Chornii, B. Chornii. Using a methodical approach to the evaluation of attractiveness investment resources for electricity distribution companies | 130 |
| I. L. Bodnaruk, L. S. Shlapak. Peculiarities of the stages of rating assessment formation in rating management system | 136 |
| S. Rudenko, R. Sapeňko, O. Bazaluk, V. Tytarenko. Management features of international educational projects between universities of Poland and Ukraine | 142 |
| O. Amosha, Yu. Zaloznova, D. Cherevatskyi. Regimeology of coal markets | 148 |
| O. V. Yermoshkina, L. G. Solianyk, Institutional development and propensity for innovations: trends and prospects for Ukraine | 155 |
| I. M. Pistunov, I. A. Bielkina, O. Yu. Churikanova. Integration of statistical model for optimum inventory and Wilson EOQ model | 163 |
| Ye. V. Kylnytska. Implementation of differentiated credit policy at mining enterprises | 169 |
| D. Nelipa, O. Batrymenko. Strategy, management model and educational scientific civil servants training program in postgraduate studies of the university | 178 |