

CONTENT

Geoecology

- Krupskaya L.T., Zvereva V.P., Sklyarova G.F., Orlov A.M.** Aboveground mining waste storage as an ecosphere pollution source and waste exploitability in Russia's Far East..... 5

- Kulikova A.A., Khabarov A.I., Sergeeva Yu.A.** Prospects for pressure-driven membrane technologies in mining..... 22

- Slavikovskaya Yu.O.** Mining voids as a factor of negative environment impact of solid mineral mining 33

Geomechanics, Rock failure

- Tyupin V.N., Khaustov V.V.** Geomechanical behavior of jointed rock mass versus delay interval in seismic load zone of large-scale blasts 45

- Kholodilov A.N., Vinogradov Yu.I.** Implementation of production potential of high-performance equipment – A key trend of improvement in underground mining of power-generating coal 55

Mining machinery

- Pobegailo P.A., Kritskiy D.Yu., Gilmanshina T.R.** Wear of mining shovel components: Current situation and analysis 64

- Gromyka D.S., Utenkova T.G., Korotkova O.Yu.** Estimation methods of wear mechanisms in cutting heads of mining machines: review 75

Geoinformatics

- Kramarov S.O., Mityasova O.Yu., Temkin I.O., Khramov V.V.** Delaunay triangulation-based methodology of intelligent navigation and control of mobile objects 87

Mine aerogasdynamics, Mining thermophysics

- Gandler S.G., Borisovsky I.A.** Aerodynamic control in open pit gold mining 99

- Kazakov B.P., Grishin E.L., Trushkova N.A.** Stability of joint operation of recirculating fans in underground potash mines 108

Geotechnology

- Gerasimov V.M., Nizhegorodcev E.I.** Improvement of heap leaching pile bottom impermeability 120

Safety in emergency

- Dubrovskaya Yu.A., Pikhonen L.V., Dubrovskaya B.A.** Professional competence formation in experience-oriented physical training and sports activities of mining engineers 127

Energetics and energy efficiency of mining industry

- Babokin G.I.** Influence of process flow diagram and longwall length on specific energy consumption of shearers 139

Dmitrieva V.V., Avkhadiev I.F., Sizin P.E. Use of advance hardware/software in multiple conveyor system automation	150
Lyakhomskiy A.V., Gerasimov A.I., Perfil'eva E.N. Modeling phase-to-ground faults in 6kW grids in open pit mining	164
Special editions MIAB	
Team of authors Problems of development of geo-resources of the Russian Far East and the countries of the Asia-Pacific region-	21
Dzhigrin A.V., Melnik V.V., Lupiy M.G., Bakin V.A. Investigation of the stability of rocks in mines coal mines	54
Yakupov D.R., Ivanov S.L., Ivanova P.V., Permyakova E.K. Classification of peat extraction methods and means of their implementation	74
Sidorenko A.A., Belova D.V., Ikonnikov D.A. Estimation of influence of the long-wall panel width on height of complete groundwater drainage zone in thick coal seam mining under increased water inflow conditions	86
Akhmetzyanova A.M. A review of the methods of geophysical research of coal deposits.....	138
Paramonov S.S., Ammon E.V. Monitoring of deformations during construction of tunnels under responsible buildings and structures	177
Kubrin S.S., Zakorshmennyi I.M., Zakorshmennyi A.I. Prospects for the use of composite reinforcement to increase the service life of reinforced concrete slabs for engineering communications collectors.....	178