Prof. CELAL KARPUZ

Personal Information

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Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Mining Engineering, Turkey 1977 - 1982

Foreign Languages

English, C1 Advanced

Research Areas

Mining Engineering and Technology, Mining Operations, Production Methods (open-pit and underground), Rock Mechanics, Excavation Techniques, Open pit and underground production planning, Workers' Health and Safety at Mine Operations and Facilities, Mining Methods and Mining System Analysis, Marble Management and Processing, Engineering and Technology

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Mining Engineering, 1992 - Continues
Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Mining Engineering, 1985 - 1992
Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Mining Engineering, 1985 - 1985
Lecturer, Middle East Technical University, Faculty of Engineering, Department of Mining Engineering, 1980 - 1985
Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Mining Engineering, 1976 - 1980

Academic and Administrative Experience

Middle East Technical University, Faculty of Engineering, Department of Mining Engineering, 2015 - Continues

Middle East Technical University, Faculty of Engineering, Department of Mining Engineering, 2006 - 2009
Middle East Technical University, Faculty of Engineering, 1997 - 2003
Middle East Technical University, Faculty of Engineering, Department of Mining Engineering, 1991 - 1995
Middle East Technical University, Faculty of Engineering, Department of Mining Engineering, 1985 - 1988

Advising Theses

KARPUZ C., Accident severity prediction of Zonguldak district underground coal mines by machine learning techniques, Postgraduate, M.ÖZDEMİR(Student), 2022
ERKAYAOĞLU M., KARPUZ C., Discrete event simulation of a shearer performance for a longwall operation, Postgraduate, E.YILMAZ(Student), 2018
KARPUZ C., Development of a new methodology for path optimization of underground mine haul roads using evolutionary algorithms, Doctorate, A.GÜNEŞ(Student), 2018
KARPUZ C., Risk assessment and accident forecasting for an underground coal mine, Postgraduate, M.MEVSİM(Student), 2018
KARPUZ C., Environmental applications of hyperspectral anomaly and target detection algorithms, Doctorate, H.SOYDAN(Student), 2017
KARPUZ C., Development of a computer-based risk assessment tool for underground coal mines, Postgraduate, F.NUR(Student), 2016
KARPUZ C., Analysis and modelling for risk management for underground coal mines' safety, Doctorate, Ö.Deniz(Student), 2014
KARPUZ C., Data analysis and modelling for evaluation of safety risks in underground coal mines, Doctorate, Ö.DENİZ(Student), 2014
KARPUZ C., Fuzzy approach in preliminary design of weak rock slopes for lignite mines, Postgraduate, A.GÜNEŞ(Student), 2013
KARPUZ C., A prediction method on the post-failure properties of rock and its application to tunnels, Doctorate, İ.FERİD(Student), 2013
KARPUZ C., Nickel resource estimation and reconciliation at Türkmençardaği laterite deposits, Postgraduate, B.GENÇTÜRK(Student), 2012
KARPUZ C., Nickel resource setimation and reconciliation at Türkmençardağı laterite deposits, Postgraduate, B.Gençtürk(Student), 2012
KARPUZ C., Developing a coal transportation cost estimation model for Turkish coal enterprises, Postgraduate, E.DEMİR(Student), 2009
KARPUZ C., Slope stability analysis and design in Elbistan-Çöllolar Open Cast Mine, Postgraduate, İ.FERİD(Student), 2008
KARPUZ C., Three dimensional numerical modelling of discontinuous rocks by using distinct element method, Doctorate, A.KOÇAL(Student), 2008
KARPUZ C., Development of an elasto-plastic analytical model for design of grouted rock bolts in tunnels with particular reference to poor rock masses, Doctorate, R.RANGSAZ(Student), 2007
KARPUZ C., Probabilistic modeling of failure in rock slopes, Postgraduate, M.MOHİELDİN(Student), 2007
KARPUZ C., Analysis of support design practice at Elmalık portals of Bolu tunnel, Postgraduate, G.AŞÇIOĞLU(Student), 2007
KARPUZ C., Effect of discontinuity roughness and anisotropy on shear stregth, Postgraduate, A.KAAN(Student), 2004
KARPUZ C., Effect of discontinuity roughness and anisotropy on shear strength, Postgraduate, A.Kaan(Student), 2004
KARPUZ C., A methodology for detection and evaluation and lineaments from satellite imagery, Postgraduate, A.KOÇAL(Student), 2004
KARPUZ C., A methodology for detection and evaluation of lineaments from satellite imagery, Postgraduate, A.Koçal(Student), 2004
KARPUZ C., Rippability assessment based on "direct ripping specific energy concept and numerical modelling", Doctorate, H.BAŞARIR(Student), 2002
KARPUZ C., Risk assessment approach on underground coal mine safety analysis, Doctorate, M.SARI(Student), 2002

KARPUZ C., Performance evaluation of shield support transporting systems during face transfer operations in Çayırhan mines by discrete event simulation, Postgraduate, H.HÜSEYİN(Student), 2001
KARPUZ C., Reliability based design of rock slopes, Doctorate, H.ŞEBNEM(Student), 2000
KARPUZ C., Development of a computer based monitoring system and its usage for power shovels' monitoring, Doctorate, M.Ali(Student), 1997
KARPUZ C., Effect of operational parameters and formation properties on drillability in surface set diamond core drilling, Doctorate, M.Ertan(Student), 1997
KARPUZ C., Development of a computer based monitoring system and ıts usage for power shovels monitoring, Doctorate, M.ALİ(Student), 1997
KARPUZ C., Development of a computer controlled continvaus failure stabe triaxial test system, Postgraduate, H.BAŞARIR(Student), 1997
KARPUZ C., Development of a computer controlled continuous failure state triaxial test system, Postgraduate, H.Başarır(Student), 1997
KARPUZ C., Effect of operational parameters and formation properties on drillability in surface set diamond care drilling, Doctorate, M.AKÜN(Student), 1997
KARPUZ C., Development of a particle size distribution analysis system by digital image processing., Doctorate, T.Bozdağ(Student), 1996
KARPUZ C., Critical analysis on the application of kriging to rock mass classification, Postgraduate, H.KAYA(Student), 1995
KARPUZ C., Strata control aspects a the gate roodways of OAL underground mine, Doctorate, Y.SELAMİ(Student), 1995
KARPUZ C., Strata control aspects at the gate roadways of OAL underground mine, Doctorate, Y.İsmail(Student), 1995
KARPUZ C., Subsidence monitoring studies at Çayırhan Lignite Mine, T.K.I., Postgraduate, T.Ünver(Student), 1993
KARPUZ C., Performance monitoring of electrical power shovels for diggabilty assessment in surface coal mines, Doctorate, A.CEYLANOĞLU(Student), 1991
KARPUZ C., Performance monitoring of electrical power shovels for diggability assessment in surface coal mines, Doctorate, A.Ceylanoğlu(Student), 1991
KARPUZ C., Fragmentation size improvements at the production drifts of Etibank Bigadiç Avşar underground mine, Postgraduate, İ.KONUK(Student), 1991
KARPUZ C., Critical analysis of short rod fracture toughness testing method, Postgraduate, A.ÖZDEN(Student), 1990
KARPUZ C., Improving the drillability of exploration drilling at Zonguldak hardcoal basin, Postgraduate, M.AKÜN(Student), 1990
KARPUZ C., Load and convergence measurements and support design at longwall faces of Alpagut-Dodurga lignite (ADL) mine, Postgraduate, V.DOĞAN(Student), 1990
KARPUZ C., Stable crack propagation studies in Ankara andesite, Doctorate, N.KÖKSAL(Student), 1989
KARPUZ C., Convergence characteristics and gate roadway support design at Çayırhan colliery, Postgraduate, S.İSTANBULLUOĞLU(Student), 1989
KARPUZ C., Indirect rippability assessment of coal measure rocks, Postgraduate, T.Bozdağ(Student), 1988
KARPUZ C., Indirect rippability assossment of coal measure rocks, Postgraduate, T.BOZDAĞ(Student), 1988
KARPUZ C., The Diggability assessment using power consumption of electrical power shovels, Postgraduate, A.CEYLANOĞLU(Student), 1988

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Shortest path optimization of haul road design in underground mines using an evolutionary algorithm**
YARDIMCI A. G., KARPUZ C.
APPLIED SOFT COMPUTING, vol.83, 2019 (SCI-Expanded)
II. **Fuzzy approach for preliminary design of weak rock slopes in lignite mines**
Yardimci A. G., KARPUZ C.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.77, no.1, pp.253-264, 2018 (SCI-Expanded)

III. **Fuzzy Rock Mass Rating: Soft-Computing-Aided Preliminary Stability Analysis of Weak Rock Slopes**
YARDIMCI A. G., Karpuz C.
HANDBOOK OF RESEARCH ON TRENDS AND DIGITAL ADVANCES IN ENGINEERING GEOLOGY, pp.97-131, 2018 (SCI-Expanded)

IV. **Preliminary estimation of rock mass strength using diamond bit drilling operational parameters**
BASARIR H., KARPUZ C.
INTERNATIONAL JOURNAL OF MINING RECLAMATION AND ENVIRONMENT, vol.30, no.2, pp.145-164, 2016 (SCI-Expanded)

V. **Relationship Between Pre-failure and Post-failure Mechanical Properties of Rock Material of Different Origin**
Tutluoglu L., ÖGE I. F., KARPUZ C.
ROCK MECHANICS AND ROCK ENGINEERING, vol.48, no.1, pp.121-141, 2015 (SCI-Expanded)

VI. **Penetration rate prediction for diamond bit drilling by adaptive neuro-fuzzy inference system and multiple regressions**
BASARIR H., TUTLUOĞLU L., KARPUZ C.
ENGINEERING GEOLOGY, vol.173, pp.1-9, 2014 (SCI-Expanded)

VII. **Design and implementation of a multimodal transportation cost analysis model for domestic lignite supply in Turkey**
Demir E. C., Karpuz C., Demirel N.
JOURNAL OF THE SOUTHERN AFRICAN INSTITUTE OF MINING AND METALLURGY, vol.112, pp.993-998, 2012 (SCI-Expanded)

VIII. **Two and three dimensional analysis of a slope failure in a lignite mine**
Tutluoglu L., Oge I. F., Karpuz C.
COMPUTERS & GEOSCIENCES, vol.37, pp.232-240, 2011 (SCI-Expanded)

IX. **Geostatistical modeling of spatial variability of SPT data for a borax stockpile site**
Basarir H., Kumral M., Karpuz C., Tutluoglu L.
ENGINEERING GEOLOGY, vol.114, pp.154-163, 2010 (SCI-Expanded)

X. **Estimating rock mass properties using Monte Carlo simulation: Ankara andesites**
Sari M., KARPUZ C., Ayday C.
COMPUTERS & GEOSCIENCES, vol.36, no.7, pp.959-969, 2010 (SCI-Expanded)

XI. **Numerical modelling of out-of-seam dilution in longwall retreat mining**
SAEEDI G., SHAHRIAR K., REZAI B., KARPUZ C.
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.47, no.4, pp.533-543, 2010 (SCI-Expanded)

XII. **A Stastical Method to Evaluate Parameters Influencing Out of Seam Dilution in Longwall Coal Mines**
KARPUZ C., Korush S.
INTERNATIONAL JOURNAL OF APPLIED MECHANICS, vol.1, no.1, pp.84-96, 2009 (SCI-Expanded)

XIII. **Stochastic modeling of accident risks associated with an underground coal mine in Turkey**
Sari M., Selcuk A. S., Karpuz C., Duzgun H. S. B.
SAFETY SCIENCE, vol.47, pp.78-87, 2009 (SCI-Expanded)

XIV. **Specific energy based rippability classification system for coal measure rock**
Basarir H., KARPUZ C., TUTLUOĞLU L.
JOURNAL OF TERRAMECHANICS, vol.45, pp.51-62, 2008 (SCI-Expanded)

XV. **3D Modeling of Ripping Process**
Basarir H., Karpuz C., Tutluoglu L.
INTERNATIONAL JOURNAL OF GEOMECHANICS, vol.8, 2008 (SCI-Expanded)

XVI. **Estimating Drilling Parameters for Diamond Bit Drilling Operations Using Artificial Neural Networks**
AKIN S., KARPUZ C.
INTERNATIONAL JOURNAL OF GEOMECHANICS, vol.8, no.1, 2008 (SCI-Expanded)

XVII. **A fuzzy logic based rippability classification system**
Basarir H., KARPUZ C., TUTLUOĞLU L.

JOURNAL OF THE SOUTH AFRICAN INSTITUTE OF MINING AND METALLURGY, vol.107, no.12, pp.817-831, 2007 (SCI-Expanded)

XVIII. **An accuracy assessment methodology for the remotely sensed discontinuities: a case study in Andesite Quarry area, Turkey**
Kocal A., Duzgun H. S., Karpuz C.
INTERNATIONAL JOURNAL OF REMOTE SENSING, vol.28, pp.3915-3936, 2007 (SCI-Expanded)

XIX. **Classifications of hardgrounds based upon their strength properties**
DOGAN A., OZSAN A., DOGAN M., Karpuz C., BRENNER R.
CARBONATES AND EVAPORITES, vol.21, no.1, pp.14-20, 2006 (SCI-Expanded)

XX. **Rock variability and establishing confining pressure levels for triaxial tests on rocks**
SARI M., Karpuz C.
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.43, no.2, pp.328-335, 2006 (SCI-Expanded)

XXI. **Drillability studies of surface-set diamond drilling in Zonguldak region sandstones from Turkey**
AKUN M., Karpuz C.
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.42, no.3, pp.473-479, 2005 (SCI-Expanded)

XXII. **Accident analysis of two Turkish underground coal mines**
Sarı M., Duzgun H., Karpuz C., Selcuk A.
SAFETY SCIENCE, vol.42, pp.675-690, 2004 (SCI-Expanded)

XXIII. **A rippability classification system for marls in lignite mines**
BASARIR H., Karpuz C.
ENGINEERING GEOLOGY, vol.74, pp.303-318, 2004 (SCI-Expanded)

XXIV. **The spontaneous combustion characteristics of Turkish lignite and correlation of the self-heating process with the actual fire**
Guyaguler T., Karpuz C., Bagcı S.
CIM BULLETIN, vol.96, pp.75-79, 2003 (SCI-Expanded)

XXV. **A methodology for reliability-based design of rock slopes**
DUZGUN H., YUCEMEN M. S., Karpuz C.
ROCK MECHANICS AND ROCK ENGINEERING, vol.36, no.2, pp.95-120, 2003 (SCI-Expanded)

XXVI. **A probabilistic model for the assessment of uncertainties in the shear strength of rock discontinuities**
DUZGUN H., YUCEMEN M. S., Karpuz C.
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.39, no.6, pp.743-754, 2002 (SCI-Expanded)

XXVII. **Preliminary support design for Ankara subway extension tunnel**
OZSAN A., Karpuz C.
ENGINEERING GEOLOGY, vol.59, pp.161-172, 2001 (SCI-Expanded)

XXVIII. **A new method for determining the depth of cut using power shovel monitoring**
Karpuz C., HINDISTAN M., BOZDAG T.
JOURNAL OF MINING SCIENCE, vol.37, no.1, pp.85-94, 2001 (SCI-Expanded)

XXIX. **Unit cost analysis model for stripping of open-pit lignite mines**
Celebı N., Pasamehmetoglu A., Karpuz C.
TRANSACTIONS OF THE INSTITUTION OF MINING AND METALLURGY SECTION A-MINING INDUSTRY, vol.107, 1998 (SCI-Expanded)

XXX. **Convergence behaviour - Packing relations of full extraction gate roadways at OAL lignite mine**
ISTANBULLUOGLU Y., Karpuz C.
CIM BULLETIN, vol.90, no.1013, pp.56-61, 1997 (SCI-Expanded)

XXXI. **Field characterisation of weathered Ankara andesites**
Karpuz C., PASAMEHMETOGLU A.
ENGINEERING GEOLOGY, vol.46, no.1, pp.1-17, 1997 (SCI-Expanded)

XXXII. **Development of a particle size distribution analysis system by digital image processing, Int. Journal of Surface Mining, Reclamation and Environment,**
Karpuz C., Bozdağ T.
International Journal of Mining Reclamation and Environment, vol.11, pp.59-67, 1997 (SCI-Expanded)

XXXIII. **a preliminary design approach for Güledar irrigation dam project**
KARPUZ C., OZSAN A.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.52, pp.95-102, 1996 (SCI-Expanded)

XXXIV. **Geotechnical rock-mass evaluation of the Anamur dam site, Turkey**
Ozsan A., Karpuz C.
ENGINEERING GEOLOGY, vol.42, no.1, pp.65-70, 1996 (SCI-Expanded)

XXXV. **An Investigation on the Influence of Depth of Cut and Blasting on Shovel Digging Performance**
Karpuz C., Ceylanoğlu A., Pasamehmetoğlu A.
International Journal of Mining Reclamation and Environment, vol.6, pp.161-167, 1992 (SCI-Expanded)

XXXVI. **Performance assessment of hydraulic and cable shovels**
Karpuz C., Pasamehmetoğlu A., Muftuoğlu Y.
International Journal of Mining Reclamation and Environment, vol.6, pp.73-80, 1992 (SCI-Expanded)

XXXVII. **Assessment of blasting efficiency by seismic surveys and rope shovel performance monitoring - A Case Study**
Karpuz C., Pasamehmetoğlu A., Muftuoğlu Y.
International Journal of Mining Reclamation and Environment, vol.5, pp.89-93, 1991 (SCI-Expanded)

XXXVIII. **Improvement of the Penetration Rates with Respect to Some Operational and Formation Properties in Exploration Drilling in Turkiye**
Karpuz C., Akun M.
International Journal of Mining Reclamation and Environment, vol.4, pp.101-106, 1990 (SCI-Expanded)

XXXIX. **Drillability studies on the rotary blast hole drilling of lignite overburden series**
Karpuz C., Pasamehmetoğlu A., Muftuoğlu Y.
International Journal of Mining Reclamation and Environment, vol.4, pp.88-93, 1990 (SCI-Expanded)

XL. **A classification system for excavation of surface coal measures**
Karpuz C.
INTERNATIONAL JOURNAL OF MINING SCIENCE AND TECHNOLOGY, vol.11, pp.157-163, 1990 (SCI-Expanded)

Articles Published in Other Journals

I. **Slope stability analysis of a borax stockpile site**
Karpuz C., Tutluoğlu L.
INTERNATIONAL JOURNAL OF MINING AND MINERAL ENGINEERING, vol.1, pp.147-171, 2009 (Scopus)

Books & Book Chapters

I. **Energy Efficiency of Drilling Operations**
Karpuz C.
in: Energy Efficiency in the Mineral Industry, Kwame Awuah-Offei, Editor, Springer, London/Berlin , Chur, pp.71-86, 2018

II. **Fuzzy Rock Mass Rating: Soft-Computing-Aided Preliminary Stability Analysis of Weak Rock Slopes**
YARDIMCI A. G., KARPUZ C.
in: Handbook of Research on Trends and Digital Advances in Engineering Geology, Ceryan Nurcihan, Editor, IGI Press, pp.97-131, 2017

III. **Health and Safety Issues in Coal Mining**
DEMİREL N., KARPUZ C.

in: Coal Production and Processing Technology, Riazi, M.R., Gupta Rajender, Editor, CRC Press Taylor and Francis Group LCC, Boca Raton FL, pp.209-227, 2016

IV. **Excavatability Assessment of Surface Coal Mine**
KARPUZ C., BAŞARIR H.
in: Coal Production and Processing Technology, M.R. Riazi, Rajender Gupta, Editor, CRC press, 2016

V. **Surface Coal Production Methods and Equipments**
DEMİREL N., KARPUZ C.
in: Coal Production and Processing Technology, Riazi, M.R., Gupta, Rajender, Editor, CRC Press Taylor and Francis Group LCC, Boca Raton FL, pp.149-160, 2016

VI. **Health and Safety Issues in Coal Mining**
DEMİREL N., KARPUZ C.
in: Coal Production and Processing Technology, M.R. Riazi, Rajender Gupta, Editor, CRC press, 2016

VII. **Drilling and Blasting in Coal Mining**
KARPUZ C., BAŞARIR H.
in: Coal Production and Processing Technology, M.R. Riazi, Rajender Gupta, Editor, CRC press, 2016

VIII. **Strata Control for Underground Coal Mines**
KARPUZ C., BAŞARIR H.
in: Coal Production and Processing Technology, M.R. Riazi, Rajender Gupta, Editor, CRC press, 2016

IX. **Surface Coal Production Methods and Equipments**
DEMİREL N., KARPUZ C.
in: Coal Production and Processing Technology, M.R. Riazi, Rajender Gupta, Editor, CRC press, 2016

X. **Kaya Mekaniği-İlkeleri Uygulamaları**
KARPUZ C.
TMMOB Maden Mühendisleri Odası Yayınları, Ankara, 2006

XI. **Sondaj**
KARPUZ C.
in: Maden mühendisliği açık ocak işletmeciliği el kitabı, Eskikaya,Ş.,Karpuz,C.,Hindistan,M.A.,Tamzok,N., Editor, Maden Mühendisleri odası yayınları, 2005

XII. **Açık işletmelerde üretim yöntemleri**
KARPUZ C.
in: Maden mühendisliği açık ocak işletmeciliği el kitabı, Eskikaya,Ş.,Karpuz,C.,Hindistan,M.A.,Tamzok,N., Editor, Maden Mühendisleri odası yayınları, 2005

XIII. **Açık ocak taşıma yolu tasarımı**
KARPUZ C.
in: Maden mühendisliği açık ocak işletmeciliği el kitabı, Eskikaya,Ş.,karpuz,C.,Hindistan,M.A.,Tamzok,N., Editor, Maden Mühendisleri odası yayınları, 2005

Refereed Congress / Symposium Publications in Proceedings

I. **Prediction of failure mode in weak rock slopes using fuzzy slope mass rating**
YARDIMCI A. G., Karpuz C.
14th International Congress on Rock Mechanics and Rock Engineering, ISRM 2019, Foz do Iguaçu, Brazil, 13 - 18 September 2019, pp.3667-3673

II. **A Modified Methodology for Preliminary Design of Weak Rock Slopes in Lignite Mines**
Karpuz C., Yardımcı A. G.
26th International Mining Congress and Exhibition of Turkey, IMCET 2019, , Antalya, Turkey, 10 - 12 April 2019, vol.1, pp.158-169

III. **A modified methodology for preliminary design of weak rock slopes in lignite mines**
Yardimci A. G., Karpuz C.
26th International Mining Congress and Exhibition of Turkey, IMCET 2019, Antalya, Turkey, 16 - 19 April 2019,

pp.1079-1087

IV. **Initial crack detection of Brazilian discs by thermal change for different types of rock specimens**
Kırmacı A., Erkayaoğlu M., Karpuz C.
26th International Mining Congress and Exhibition of Turkey, IMCET 2019, Antalya, Turkey, 16 - 19 April 2019, pp.399-407

V. **An integrated simulation model for opportunistic maintenance**
GÖLBAŞI O., Turan M. O., Karpuz C.
39th International symposium on Application of Computers and Operations Research in the Mineral Industry, APCOM 2019, Wroclaw, Poland, 4 - 06 June 2019, pp.534-541

VI. **Optimized Path Planning in Underground Mine Ramp Design Using Genetic Algorithm**
YARDIMCI A. G., KARPUZ C.
26th International Symposium on Mine Planning Equipment Selection, MPES2017, Lulea, Sweden, 28 - 30 August 2017

VII. **Optimization of Underground Haul Roads Using an Evolutionary Algorithm**
YARDIMCI A. G., KARPUZ C.
25th International Mining Congress and Exhibition of Turkey, IMCET 2017, Turkey, 12 - 14 April 2017

VIII. **Shortest Path Estimation Considering Kinematical Constraints of Main Haulage Roads in Underground Mines A Heuristic Algorithm**
YARDIMCI A. G., KARPUZ C.
6th International Conference on Computer Applications in the Minerals Industries, CAMI2016, İstanbul, Turkey, 5 - 07 October 2016

IX. **Quality Assessment of Backfill Performance for an Underground Iron Mine in Turkey**
Yardimci A. G., Tutluoğlu L., Karpuz C., Ozturk H., Güner D.
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X. **Quality Assessment of Backfill Performance for anUnderground Iron Mine in Turkey**
YARDIMCI A. G., TUTLUOĞLU L., KARPUZ C., ÖZTÜRK H., GÜNER D.
Ground Support 2016, 12 - 14 September 2016

XI. **Quality Assessment of Backfill Performance for an Underground Iron Mine in Turkey**
Karpuz C.
Eighth International Symposium on Ground Support in Mining and Underground Construction, Lulea, Sweden, 12 - 14 September 2016, pp.56-62

XII. **Crown Pillar Optimization for Surface to Underground Mine Transition in Erzincan Bizmisen Iron Mine**
YARDIMCI A. G., TUTLUOĞLU L., KARPUZ C.
50th US Rock Mechanics / Geomechanics Symposium (ARMA 2016), Houston, United States Of America, 26 - 29 June 2016

XIII. **Crown Pillar Optimization for Surface to Underground Mine Transition in Erzincan/Bizmisen Iron Mine**
Karpuz C.
. 50th US Rock Mechanics / Geomechanics Symposium (ARMA 2016), Texas, United States Of America, 26 - 29 June 2016, pp.42-48

XIV. **Stability Analysis and Optimized Slope Angle for the Iron Ore Open-Pit Mine**
AKDAG S., BASARIR H., KARPUZ C., OZYURT M.
24th INTERNATIONAL MINING CONGRESS OF TURKEY, Antalya, Turkey, 14 - 17 April 2015, pp.606-611

XV. **Stability Analysis and Optimized Slope Angle for the Iron Ore Open-Pit Mine**
Karpuz C.
IMCET 2015 Proceedings of the 24th International Mining Congress of Turkey, Antalya, Turkey, 14 - 17 April 2015, pp.606-611

XVI. **Geotechnical Considerations for Mining Method Selection of a Potential Underground Iron Ore Mine in Mideastern, Turkey**
Karpuz C.

Int.Symp.on Mine planning and Equipment selection (MPES 2013), Dresden, Germany, 1 - 05 October 2013, pp.491-500

XVII. **Slope stability risk assessment on structures of a nearby residential area around a surface lignite mine in Bursa-Turkey**
Karpuz C.
Eurorock 2012, Stockholm, Sweden, 28 - 30 May 2012, pp.30-42

XVIII. **Surface Coal Mine Planning Against Large Landslides**
Karpuz C.
Pitsburg Coal Congress, İstanbul, Turkey, 11 - 14 October 2010, pp.15-20

XIX. **Design of weak rock slope at BLI open pit lignite mine in Turkey**
Karpuz C.
Int.Symp.on Mine planning and Equipment selection (MPES 20), Beijing, China, 1 - 04 October 2008, pp.607-615

XX. **Investigation of Large Scale Slope Failure Mechanisms and Numerical Modeling for the Safe Design of Slopes in a Lignite Mine**
Tutluoglu L., KARPUZ C.
WSEAS International Conference on Engineering Mechanics, Structures, and Engineering Geology, Heraklion, Greece, 22 - 24 July 2008, pp.292-293

XXI. **Investigation of Large Scale Slope Failure Mechanisms and Numerical Modelling for Safe Design of Slopes in a Lignite Mine**
Karpuz C.
Int. Symp. On Engineering Mechanics, Structers,Engineering Geology (EMESEG'08), Heraklion, Greece, 22 - 24 July 2008, pp.292-300

XXII. **Permanent Support Design for an Existing Drainage Tunnel at ELİ Mine in Turkey**
Karpuz C.
Int Symp. On Mine planning and Equipment selection (MPES 2007), Krung-Thep, Thailand, 11 - 13 December 2007, pp.1104-1121

XXIII. **Discontinuity mapping with automatic lineament extraction from high resolution satellite imagery**
KOÇAL A., DÜZGÜN H. Ş., KARPUZ C.
ISPRS XX, Istanbul, 10 - 16 January 2007

XXIV. **Mapping of discontinuities with automatic lineament extraction from high resolution satellite imagery**
Karpuz C.
Int Symp. On Mine planning and Equipment selection (MPES 2006), Turin, Italy, 20 - 22 September 2006, pp.50-56

XXV. **Characterisation of Fractures By ground Penetrating Radar (GPR) in Quarries: An application to Gölbaşı andesites in Turkey**
Karpuz C.
Int Symp. On Mine planning and Equipment selection (MPES 2006), Turin, Italy, 20 - 22 September 2006, pp.80-84

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Memberships / Tasks in Scientific Organizations

Member, 1976 - Continues
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Metrics

Publication: 129
Citation (WoS): 743
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H-Index (WoS): 16
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Non Academic Experience

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