SÜRELİ YAYINLAR

MINERAL PROCESSING

JULY 1994

- 167. Leaching kinetics of malachite in ammonia solutions.
- A. Künkül, M, Muhtar Kocakerim, S. Yapıcı and A. Demirbağ
- 183. Fine mineral recovery with hydrophobic magnetite.
 - S.R. Gray, D.E. Langberg and N.B. Gray
- 201. Role of pH and dissolved mineral species in Pittsburgh No.8 coal flotation system-I, Floatability of coal.
- D. Liu, P. Somasundaran, T.V, Vasudevan and C.C. Harris
- 215. Role of pH and dissolved mineral species in Pittsburgh No.8 coal flotation system-II. Separation of pyrite and non-pyritic minerals from coal.
- D. Liu, P.Somasundaran, T.V. Vasudevan and C.C. Harris
- 227. Role of collector and frother and of hydrophobicity/oleophilicity of pyrite on the separation of pyrite from coal by flotation.
 - D. Liu and P. Somasundaran
- 257. The role of zeta potentials of oil droplets and quartz particles during collectorless iquid-liquid extraction.
 - E. Kusaka, Y. Nakahiro and T. Wakamatsu
- 285. Electroflotation of metal ions in waste water.
- L. Alexandrova, T. Nedialkova and I. Nish-kov

Technical Notes:

- 305. A simple algorithm for the calculation of the terminal velocity of a single solid sphere in water.
 - A. Niguyen-Van, H.J. Schulze and S. Kmet

- 311. Determination of holdup of flakeshaped particles in solid-water systems using conductivity.
 - S. Banisi, J.A. Finch and A.R. Laplante

INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES

APRIL 1994

- 93. Ultimate bearing capacity of rock masses.
 - Alcibiades Serrano and Claudio Olalla
- 107. Intersection probabilities of impersistent ioints.
 - M. Mauldon
- 117. A model for the time-dependent behavior of rock.
 - A.A. Fakhimi and c. Fairhurst
- 127. The fractual character of fracture spacing and RQD
 - F.K. Boadu and LT. Long

Technical Notes

- 143. The Gauss function and the phenomena of rock mass subsidence and displacements of granular media.
 - J. Litwiniszyn
- 149. Stress-induced microcracking in rock and its influence on wellbore stability analysis
 - J.F. Shao, D. Kondo and S.lkogou
- 173. A 3-D constitutive model for rock joints, with anisotropic friction and stress dependency in shear stiffness.
 - L Jing, E. Nordlunds and N.G.W. Cook

JUNE 1994

185. Fracture testing of a soft rock with semi-circular specimens under three-point bending. Part 1-Mode 1

I.L Urn. I.W. Johnston, S.K. Choi and J.N. Boland

199. Fracture testing of a soft rock with semi-circular specimens under three-point bending. Part2-Mixed-mode.

LL Lim, I.W. Johnston, S.K. Choi and J.N. Boland

213. A model of the time-dependent interaction between rock and shotcrete support in a tunnel.

Yii-Wen Pan and Zeng-Lin Huang

221. Propagation of hydraulically induced fractures-a continuum damage mechanics approach

P. Valko and M.J. Economides Technical Notes:

- 231. A fracture mechanics analysis of the effect of backfill on the stability of cut and fill mine workings.
- 253. Simulation of aftershock series. V. Rudajev, J. Vilhelm and J. Kozak
- 265. Assessment of mixed-mode fracture toughness testing methods for rock.

I.L. Lim, I.W. Johnston and S.K. Choi

AUGUST 1994

279. A mechanistically-based model for rough rock joints.

CM. Haberfield and I.W. Johnston

293. Gravitational stresses in long symmetric ridges and valleys in anisotropic rock.

Emian Pan, Bernard Amadei and William Z. Savage

313. Shear behaviour of irregular triangular rock-concrete joints.

J.K. Kodikara and I.W. Johnston

323. Rock mechanics investigations for rock slope stability assessment.

P. Lunardi, P. Froldi and e. Fornari

347. Insitu evidence for fluid-induced aseismic slip events along fault zones.

O. Scotti and F.H. Cornet

359. A creep experiment on a large granite beam started in 1980.

H, Ito and N. Kumagai

Technical Notes:

369. Identification of pore spaces and microcracks using fluorescent resins.

Takashi Nishiyama and Hiromu Kusuda

377. Critical pressure for gas storage in unlined rock caverns

Jinhou Liang and Ulf Lindblom

383. Permeability-strain equations corresponding to the complete stress-strain path of Yinzhuang sandstone.

Li Shiping, Li Yushou, Li Yi, Wu Zhenye and Zhou Gang

INDUSTRIAL MINERALS

JUNE 1994

- 19. China's minerals industry gathering for the great leap forward.
- 47. Chinese filler minerals reinforcing export potential.
- 59. Soda ash: A bigger slice of the alkali pie.

MINING INDUSTRY

MAY-AUGUST 1994

A55. Landform replication in quarrying.
Geoffrey Walton and Ruth AHinton

A67. Stability analysis of open-Pit copper mine by use of numerical modelling methods.

V.K. Singh and B.B. Dhar

A75. Utilization of voids for development and gas generation following waste disposal.

J.A. Every-Brown

A92. Options for climate control during construction of large underground strage chamber.

M.A. Tuck

A97. Underground disposal of radioactive waste by United Kingdom Nirex. Ltd.

C.S. Mogg and B.J. Breen

A104. A future in coal - viable or not.
Graham Kill

Al 17. Protect financing and the mineral development agreement.

James Otto and David Mac Dougall

A124. Computer simulation of diamond-wire cutting of hard and abrasive rock.

A. Bortolussi et. al.

SECTION B

B87. Magmatic platinum-group element concentrations and hydrothermal upgrading in Shetland ophiolite complex.

R.A. Lord, H.M. Prichard and C.,R. Neary

- B107. Chromite deposits of the Kempirsai massif, southern Urals, Kazakhstan F. Melcher, E.P. SBtumpft and V. Distier
- B121. Fluid-rock interaction at contact of Lindsley 4h Ni-Cu-PGE orebody and enclosing granite rocks. Sudbury, Canada.

D.H. Watkinson

B129. Pechenga area, Russia-Parti: geological setting and comparison with Pasvik, Norway.

V.A. Melezhiketal.

B146. Pechenga area. Russia- Part2: nickel-copper deposits and related rocks.

V.A. Melezhiketal.

SECTION C

C91. Test of Barbery's liberation correction procedure.

D. Lin, CO. Gomez and J.A. Finch

C97. Extraction of nickel from an Indian laterite by segregation roasting.

S.P. Mehrotra mand V. Srinivasan

- CI05. Leaching of gold in thiocyanate solutions. Part 1: chemistry and thermodynamics.
- CII 1. Part2: redox processes in iron (III)- thiocyanate solutions.
- C117.Patr3: rates and mechanism of gold dissolution.
 - O. Barbosa-Filho and A.J. Monhemius
- CI26. Mechanism of low-temperature reduction degradation of iron ore sinters.

CE. Loo and N.J. Bristow

Cl35. Improving sintering performance of ore blend containing pisolitic ore.

CE. Loo, D. Witchard and G.C. Penny

Technical Notes:

C147. Kinetics of reaction between chronium sesquioxidei and anhydious sodium carbonate in oxidizing atmospheres.

A.K. Tripathy, H.S. Ray and P.K. Pattanayak

CI55. Objective driven simulation as tool for plan design-application to cyclone selection with cost-minimization function.

G.D. Schena

INTERNATIONAL JOURNAL OF SURFACE MINING RECLAMATION AND ENVIRONMENT

NO.2 1994

41. Reliability of SCS curve number method on semi-arid, reclaimed minelands.

S.A. Schroeder

47. Soil containnts affecting the forest-biological recultivation of coal-mine spoil banks in Bulgaria.

Sv. Gentcheva-Kostadinova, E. Zheleva, R. Petrova and Martin J. Haigh

55. Laboratory determination of parameters influencing metal dissolution from sulfidic waste rock.

R.D. Doepker

- 73. Intelligent maintenance support system for mining truck conditioning monitoring and troubleshooting.
- A. Ursenbach, Qun Wang, Ming Rao, Julian Coward and David K. Lamb
- 83. An interactive graphic interface for characterising fan curves in ventilation network analysis

M.K. Oral and S. Durucan

CIM BULLETIN

MAY 1994

34. A proposed undergroun communication system for the near future.

Marcel St-Amant and Pierre Montrueil

- 39. Prediction of heatflow from surrounding rock into mine airways a finite element study.
 - K.S. Rao and B.S. Sastry and B. Misra
- 43. An overview of R and D in narrow-vein mining at Université Laval.
 - C. Bourgoin, M. Laflamme and S. Planeta
- 46. Polynuclear aromatic hydrocarbons in Canadian underground mines.

J.P. Mogan and E.D. Daintry

49. Fire warning alarm for underground mines.

K.E. Hyelmstad and W.H. Pomroy

- 54. Sulphide dust ignition resistant explosives.
 - M. Rispin, ETT Explosives and J.R. Dalton

JUNE 1994

27. Recent developments in IGCC technology.

K.M. Tait, M.M. McDonald

36. Recent teleoperation with vehicle guidance for improving LHD productivity at Inco Limited.

G.R. Baiden

- 57. Recent electric furnace developments at Falconbridge (Sudbury Operatins).
 - N. Stubina, J. chao and C. Tan
- 62. Inco roast-reduction smelting of nickel concentrate.
- C. Diaz, B.R. Conard and CE. O'Neill, A.D. Dalvi
- 72. Deep roasting of nickel concentrate. C.Diaz, B.R. Conard, S.W. Marcuson and K.I. Burgess
- 79. Control of secondary emissions in pyrometallurgical smelters.

J.A. Davis, J.C. Taylor and H. Reimers

- 86. Recent developments in electrometallurgical tankhouse environmental control
 - J.A. Davis and W.R. Hopkins

ROCK MECHANICS AND ROCK ENGINEERING

JULY-SEPTEMBER 1994

115. Analyses of Gas Storage Capacity in Unlined Rock Caverns,

Liang, J, Linblom, U.

- 135. Natural Fracture Profiles, Fractal Dimension and Joint Roughness Coefficients. Odling, N.E.
- 155. Analysis of Rib Supports for Circular Tunnels in Elastic Ground. Moore, I.D.

Technical Note

173.Acoustic Emission from Failing Rock Behaviour.

Mansurov, V.A.

INTERNATIONAL JOURNAL OF MINERAL PROCESSING

FEBRUARY 1994

- 155. Probability of collision between particles and bubbles in flotation: The theoretical inertialess model involving a swarm of bubbles in pulp phase
 - A. Nguyen-Van and S. Kmet
- 171. Simulation of charge motion in ball mills Part 1: experimental verifications

 B.K. Mishra and R.K. Rajamani
- 187. Simulation of charge motion in ball mills Part 2: numerical solutions
 B.K. Mishra and R.K. Rajamani
- 199. Variance of average stream compositions obtained by automatic incremental sampling.
 - D. Hodouin and C. Keteza
- 225. Column flotation froth chracteristics-Stability of the bubble-particle system M. Falutsu
- 245. Colloid chemistry of weak electrolyte collectors: the effect of conditioning on flotation with fatty acids
 - J.S. Laskowski and G.A. Nyamekye
- 257. Reductive leaching of a concentrate manganese dioxide ore in acid solution: stoichiometry and preliminary kinetic analysis
 - F. Veglio and L. Toro
- 273. Mineral properties and bacterial leaching of intensively ground sphalerite and sphalerite-pyrite mixture
- P. Balaz, M. Kusnierova, V. I. Varencova and B.Misura
- 287. Interactions between sulphide minerals-the collectorless flotation of pyrite
- W.J. Trahar, G.D. Senior and LK. Shannan

MINERALS ENGINEERING

JANUARY 1994

1. The simulation and identification of metallurgical kinetic processes using a generalized kinetic rate equation and trained neural nets.

M.A. Reuter, D. Bemhard

- 21. Long range predictive control of rougher flotation unit
- A. Desbiens, D. Hodouin, K. Najim and F. Flament
- 39. Collectorless liquid-liquid extraction of fine mineral particles using various organic liquids as the oil phase
- E. Kusaka, Y. Arimoto, Y. Nakahiro and T. Wakamatsu
- 49. Preparatory bioleaching to the conventional cyanidation of arsenical gold ores
- C. Abbruzzese, S. Ubaldini F. Veglio and L. Toro
- 61. Biological decomposition of cyanide in sewage sludge
 - B.V. Mihaylov and J.L. Hendrix
- 71. Factors affecting the elution of gold cyanide from activated carbon.
- J.S.J, van Deventer and P.F. Vander Merwe
- 87. A review of lead and zinc elect-rodeposition control by polarization techniques.
 - J.A. Gonzalez-Dominguez

Technical Notes

99 Comparison of cholocite dissolution in the sulfate, perchlorate, nitrate, chloride, ammonia, and cyanide systems.

W.W.Fisher.

- 105 Dynamic matrix control of an autogeneous grinding circuit
- J.Valenzuela, M.Bourassa, K.Najim and R.del Villar.

FEBRUARY - MARCH 1994

Special issue MINERALS ENGINEERING'93

Proceedings ot the International Conference held at the Cape Sun Hotel, Cape Town, South Africa 25-27 August 1993.

MINERALS AND METALLURGICAL PROCESSING

MAY 1994

- 63. Tri-flo: A multistage high-sharpness DMS process with new applications.
- G. Ferara, G. Machiavelli, P. Bevilacqua andT.P. Meloy
- 74. Development of low-temparature pressure oxidation at Lone Tree.
 - G.L. Simmons

- 80. Capacities and performance characteristics of jaw crushers.
 - s.R.S. Sastri
- 87. The recovery of hematite and chromite fines and ultrafines by wet magnetic met-
 - Y. Wang and E. Forssberg
- 97. Effect of depressing agents on the flotation of oxidized zinc minerals
- A.M. Marabini, V. alesse, G. Belardi and E. Spaziani
- 111. Radial gas holdup profiles: The influence of sparger systems.
 - F.T. Paleari, M. Xu and J.A. Finch
- 121. Discussion: Flotation of boron minerals. M.R. Yalamanchili and J.D. Miller

ODAMIZDA SATIŞI YAPILAN KİTAPLAR (1994)

```
T.Madencilik Bilimsel ve Teknik 7.Kongre Kitabı
```

T.Madencilik Bilimsel ve Teknik 11.Kongre Kitabı

T.Madencilik Bilimsel ve Teknik 12.Kongre Kitabı

T.Madencilik Bilimsel ve Teknik 13 Kongre Kitabı

Türkiye 4.Kömür Kongresi Kitabı

Türkiye 6.Kömür Kongresi Kitabı

Türkiye 7.Kömür Kongresi Kitabı

Türkiye 8.Kömür Kongresi Kitabı

Türkiye 9.Kömür Kongresi Kitabı

Madencilikte Bir Ömür (Kadri Yersel) -

Hidrometalurjik Süreçlerin Kimyası

Cözümlü Madencilik Problemleri

Sondaj Yöntemleri ve Uygulamaları

Kaya Şev Stabilitesi

Ocak Havalandırması

Türkiye Taşkömürü Madenciliğinde İşçi Sağlığı ve İşgüvenliğine İlişkin Sorunlar ve Çözüm Öneriler

A'dan Z'ye Kıymetli Taşlar

Elmaslı Sondaj Tekniği

Felc (H.Özlütas)

Direniş Şarkıları (Mete Alpsar) (Şiir)

Maden İşi. Projeleri Haz.ve Değerlendirme

Delme ve Patlatma Sempozyumu

Madencilik Terimleri Sözlüğü

Ölçüler Birimler

CAN ŞİRKETLER GRUBU

CAN HAFRİYAT -MÜNİP ÇÖKER
CANEL MADENCİLİK A.Ş.
CANTÂŞ MADENCİLİK A.Ş.
CANNÂK TAŞIMACILIK A.Ş.
CAN PETROL A.Ş.
CANMER MERMER SAN A.Ş.

Gümüş Pala Mah. Zabit Sok. No: 1/1 34850 AVCILAR - İSTANBUL

Tel : 0 (212) 593 14 85- 593 18 75 - 509 45 41 - 593 18 76

Fax : 0 (212) 593 21 99