

# SÜRELİ YAYINLAR

**CİM BULLETIN**

**INTERNATIONAL JOURNAL OF  
MINERAL PROCESSING**

**JULY-AUGUST 1996**

**AUGUST 1996**

53. Surface mining collaborative research initiatives: A. progress report  
Ian R.Muirhead

59. Mining and information: Defining the need  
Jim Gray and Jonathan Peck

66. A year of GPS at Fording Coal Limited, Greenhills Operations  
Robin Sheremeta

71. Maintenance management: IOC's "Vision 2000" maintenance integration vision  
Grant J.Goddard

76. Materials for controlling wear in surface mining  
Rees Llewellyn

83 Achieving effective telerobotic control of industrial equipment  
Derrick Hunter, David Wells, Keith Crystall and Pat Feighan

89 Concepts in lease-closure landscapes  
Gordon T.McKenna

96. Characterization of the compositions of copper and nickel/copper mattes  
J W.Matousek

99. The joys of stability  
Robert B.Parsons

153. Measuring the rheology of slurries using an on-line viscometer  
F.N.Shi and T.J.Napier-Munn

177. Axial velocity profiles of single bubbles in water/frother solutions • •  
A.Sam, C.O.Gomez and J.A.Finch

197. Behaviour of amylopectin and amylose components of starch in the selective flocculation of ultrafine iron ore  
P.K. Weissenborn

213. The effect of polymeric dispersant on magnetic separation of tungsten ore slimes  
R.P.Bhagat and P.N.Pathak

219. Dissolution kinetics of natural FeS<sub>2</sub> in carbon tetrachloride and water-carbon tetrachloride media saturated by chlorine  
Y.Kadioğlu, S.Bayrakçeken and S.Çolak

231. Separation data balancing utilizing the maximum entropy approach  
A. I. A. Salama

251. Swirl flow characteristics and froth phase features in air-sparged hydrocyclone flotation as revealed by X-ray CT analysis  
ADas and J.D.Miller

275. On-line measurement of viscosity and determination of flow types for mineral suspensions  
S.K.Kawatra and A.K.Bakshi

**INTERNATIONAL JOURNAL OF  
ROCK MECHANICS AND MINING  
SCIENCES & GEOMECHANICS  
ABSTRACTS**

**SEPTEMBER 1996**

549. Complete stress-strain curves for various rock types in uniaxial tension  
S.Okubo and K.Fukui

557. Deformation behaviour of soft rocks during consolidated-undrained cyclic triaxial testing  
R.Yoshinaka, M.Osada and T.V.Tran

573. Plane-strain compression of rock-like materials  
J.F.Labuz, S.T.Dai and E.Papamichos

585. An acoustic emission study of damage development and stress-memory effects in sandstone  
B.J.Pestman and J.G.Van Munster

595. Numerical modelling of the flexural deformation of foliated rock slopes  
D.P. Adhikary, A.V.Dyskin and R.J.Jewell

607. Comparison of predicted and measured performance of a large cavern in the Himalayas  
R.K.Bhasm, N.Barton, E.Grimstad, P.Chrysanthakis and F.P.Shende

627. Joint structures determined by clustering microearthquakes using waveform amplitude ratios  
A.Roff, W.S.Phillips and D.W.Brown

641. Back analysis of initial rock stresses and time-dependent parameters  
L.Yang, K.Zhang and Y.Wang

647. A neural network model for real-time roof pressure prediction in coal mines  
Xia-Ting Feng, Young-Jia Wang and Jian-Guo Yao

655. The induced wedge test for field measurement of joint friction  
B.B.Thapa and R.E.Goodman

**INDUSTRIAL MINERALS**

**AUGUST 1996**

25. China Chamber of Commerce in the hot seat

31. Abrasives Synthetics cut natural products down to size

47. TiO<sub>2</sub> pigment supply and demand

57. Welding market Putting minerals on the spot

**SEPTEMBER 1996**

4L- Czech minerals and markets: Rebirth out of revolution?

65. Refractory magnesia: Hot topics reviewed

75. Ceramics in Spain: High winds for earth and fire

90. Ceramics on show

**MINERALS ENGINEERING**

**SEPTEMBER 1996**

907. Improving environmental performance through innovation: Recent trends in the mining industry  
A.Warhurst and G.Bridge

923. The nature of gold-iodide adsorption onto Coconut-shell carbon  
P.A.M.Teirlinck and F.W.Petersen

931. Enhanced column flotation performance for fine coal cleaning  
R.Q.Honaker, and M.K.Mohanty

947. Opportunities for using two low-cost methods for treatment of metal bearing aqueous streams  
S.Gaydardjiev, M.Hadjihristova and R.Tichy

965. Bleaching of Brazilian kaolins using organic acids and fermented medium.  
L.M.S. de Mesquita, T.Rodrigues and S.S.Fomes

973. A chemostat with magnetic feedback for the growth of sulphate reducing bacteria and its application to the removal and recovery of heavy metals from solution.  
J.H.P.Watson, D.V.Ellwood and C.J.Duggleby

985. Study by SEM and EDS of chalcopyrite bioleaching using new thermophilic bacteria  
E.Fomez, M.L.Blacquez, A.Ballester and F.Forzalez

1001. Desulfurization of Tabas Coal by *Thiobacillus ferrooxidans*  
M.Tabatabae, A.R.Shah and M.Oliazadeh and M.Sanati

#### OCTOBER 1996

1017. Use of synthetic ore particles to test a transformation function in liberation analysis  
JLC.Woollacott and M. Valenta

1033. A comparison of alkali and acid methods for the extraction of gold from low grade ores  
S.Vukcevic

1049. Solvent extraction of gallium from an Indian Bayer process liquor using Kelex-100  
G.V.K.Puwada, K.Chandrasekhar and P.Ramachandrarao

1059. The effect of As (III) on the growth of *Thiobacillus ferrooxidans* in an electrolytic cell under controlled redox potentials  
P.I.Harvey and F.K.Crundwell

1069. Impact of microbial diversity and sulfur chemistry on safeguarding sulfidic mine waste  
A.Schippers, H.Von Rege and W. Sand

1081. The formation of biofilms of iron-oxidising bacteria on pyrite  
F.Crundwell

#### MINING ENGINEERING

#### AUGUST 1996

35. Candelaria-low cost copper-gold producer in Chile  
P.J.Ryan and J.L.Madson

42. Andacollo gold production-ahead of schedule and under budget  
G.Mike Bernard

48. Fort Cady: Developing an in situ borate mine  
G.L.Hartman

51. Barite: A review of 1995 activities  
S.D.Bearden

Technology news: Seismic tomography  
around-control decision making

Critical pillar concept in yield-pillar-  
longwall gate-road design  
Boehler, M.J.DeMarco and W.J.Wuest

Byproduct utilization in agriculture:  
experiences and potentials for the

circak

Automatic selection of fragment images  
with moving conveyor belt  
Wang and O.Stephansson

#### SEPTEMBER 1996

High-pressure grinding for copper at  
Sierrita  
Ipsen, N.Patzelt and J.Knecht

Zn plant's electrode cap limits acid mist  
during rowinning  
Murray, M.R.Nees and P.W.Krag

Industrial desktop-information  
technologies in metallurgical plants  
Go to A.Bascur and J.Patrick Kennedy

Anta Fe Pacific Gold targets million  
tons/year production  
by R. Yernberg

Candelaria-low-cost copper-gold  
project in Chile  
Go to J.L.Madson

Mining and change  
in the sample

Innovative concept in tailgate entry  
"init": Elimination of crib blocks through  
Union of new high-capacity roof truss  
Go to Mankus, S.Guo, J.J.McCaffrey. and

63. Selection of the degree of washing for  
component coals to maximize the yield of  
the blend  
Richard S.Mateer

67. Development of a longwall  
management system (LMS)  
W.M.Hart, S.S.Peng, J.S.Chen and  
Q.H.Shen

#### OCTOBER 1996

19. Coal mining in Indonesia-Frederick  
J.Murrell

24. New technology transforms coal fly ash  
to mineral filler

26. Integrating the Toquepala andCuajone  
SX/EW operations  
Igor Gonzales G. and Michael R.Nees

31. Discovery and geology of the  
Turquoise Ridge gold deposit  
E.J.Berentsen, R.F.Nanna, J.S.Hazlett and  
L.D. Estes

36. High-efficiency motors must match  
load profiles  
Richard Cole and Terry Thome

40. MEMS professional program focuses  
on global challenges  
Ronald J.Riberich and Ross R.Bhappu

42. Mining Foundation of the Southwest  
honors industry greats

49. New approach to determine the in-situ  
strength of coal in mine pillars  
Y.J.Zhang, K.F.Unrug and E.R.Thompson

54. Concomitant backstowing: Potential for  
alleviating concerns associated with high  
production longwall mining  
M.J.Sanzotti and C.J.Bije

59. Modeling the effects of stream ponding associated with a longwall mining  
F.F.Peng, V.Z. Sun ve S.S.Peng

## **ROCK MECHANICS AND ROCK ENGINEERING**

**SEPTEMBER 1996**

113. Tunnelling in Difficult Ground-Swelling Behaviour and Identification of Swelling Rocks  
Einstein, H.H.

125. The Squeezing Potertial of Rock Around Tunnels: Theory and Prediction With Examples Taken from Japan.  
Aydan Ö., Akagi, T., Kawamoto, T.

145. Dealing With Squeezing Conditions in Alpine Tunnels  
Schubert, W.

155. Two Case Histories of Tunnels Through Squeezing Rocks  
Panet, M.