

List of publications

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2009

1. Singh, G S P and Singh U K (2009), "Modelling study for assessment of strata behaviour in a bord and pillar working under soft floor condition", Mining Technology (Section A), 2009, V118, N2, 91-101
2. Singh, G S P and Singh U K (2009), "Numerical Modelling Based Assessment of Setting Load Requirement for Optimum Performance of Powered Roof Supports in Longwall Workings", Mining Technology (Section A), 2009, V118, N2, 109-114
3. Singh, G S P and Singh U K (2009), "Prediction of caving behaviour of strata and optimum rating of hydraulic powered support for longwall workings", International Journal of Rock Mechanics and Mining Sciences, January 2010, V47, 1-16
4. Singh, G S P and Singh U K (2009), "Assessment of Dynamic Loading and Rapid Yield Valve Requirement for Powered Roof Supports in Longwall Workings", Mining Technology (Section A), Vol. 118, No. 1, 47 – 52
5. Singh, G S P and Singh U K (2009), "A Numerical Modelling Approach for Assessment of Progressive Caving of Strata and Performance of Hydraulic Powered Support in Longwall Workings", Computers and Geotechnics, 36, 1142 – 1156
6. Singh, G S P and Singh U K (2009), "Numerical Modelling Study of the Effect of Some Critical Parameters on Caving Behaviour of Strata and Support Performance in a Longwall Working", accepted, Rock Mechanics and Rock Engineering, DOI 10.1007/s00603-009-0061-1, Published on line August 2009
7. Singh, G S P and Singh U K (2009), "Assessment of support Capacity Requirement for Longwall Working Under Difficult Caving Strata Conditions", In Preceedings Rock Charactersation, Modelling and Engineering Design Methods, SINOROCK 19-22 May 2009, Honkong, China
8. Singh, U.K., Kumar, Dheeraj (2009).A Strain Rosette Block for Measurement of In-situ Stress in Concrete Lining. In International Symposium on "Rock Mechanics and Geo-Environment in Mining and Allied Industries" (RGMA-09) in February 12-14, 2009; BHU, Varanasi.

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2. Singh, U.K., Kumar, Atul, Ahirwal, A. (2008). "An Intrinsically Safe Data Logger for Continuous Monitoring of Powered Roof Support in Longwall Panel. In Proceedings of National Seminar on Frontiers in electronics, communication, Instrumentation and Information Technology, Indian School of Mines University, Dhanbad, India, October, 13-15, 2008.
3. Singh, G S P and **Singh, U K.**, Selection of Rapid Yield Valve for Management of Dynamic Loading in Longwall Workings, In: Proc. of the 19th National Convention of Mining Engineers and National Seminar on Disaster in Mines, Indian School of Mines University, Dhanbad, 10-11th March, 2008, pp. 161-171

2007

1. **Singh, U.K.** and Singh, G S P., Prediction of Caving Behavior of Longwall Panels, In: Proc. Numerical Modeling Application for Strata Control in Coal mines, Indian School of Mines University, Dhanbad, 2007, pp. 117-135.
2. **Singh, U.K.** and Singh, G S P., Support Selection in Longwall Mining Systems, In: Proc. Numerical Modeling Application for Strata Control in Coal mines, Indian School of Mines University Dhanbad, 2007, pp. 137-163
3. Singh, U.K., Continuous Monitoring in Powered Roof Longwall Faces, Proceedings Technology Exchange Program on Rock Instrumentation, BHU, Varanai, Dec 27-29, 2007
4. Kumar, T and **Singh, U. K.** (2007), The role of Mining Academic Institutions in Meeting Techno- Managerial Manpower, Proceedings, 2nd Coal Summit 2007, New Delhi, Dec. 10-11, 2007,
5. Singh, G S P and **Singh, U K** (2007), Numerical Modelling study of effect of mining depth on caving behavior of strata and support requirement at longwall face, Souvenir, Indian Mining Congress on Emerging trends in Mineral Industry, Organised by Mining Engineers Association of India, Udaipur, July, 13-15, 2007.

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6. Steel fibre characterisation for reinforcement of shotcrete. U.K. Singh, R.C. Mishra, Jr. of Rock Mechanics and Tunnelling Tech. Vol. 8, No. 1, 2002, pp. 17-45.
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