

Curricula vitae

Bryan Philip Watson

Personal information

Date of birth:

02-10-1960

Place of birth:

Johannesburg, South African

Nationality:

South African

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Postal address: PO Box 371, Walkerville, RSA. (1876);

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Education

Chamber of Mines Rock Mechanics Certificate of Competency No. 259 Chamber of Mines, South Africa.

Advanced Chamber of Mines Rock Mechanics Certificate Competency No. 55 Technikon SA, South Africa.

Graduate diploma in engineering (Mining)

University of the Witwatersrand, South Africa.

MSc (Eng) mining

University of the Witwatersrand, South Africa.

PhD (Eng) mining

University of the Witwatersrand, South Africa.

Supervisor: Prof. TR Stacey (both MSc & PhD)

Current employment

Goldfields Ltd. Unit Manager Rock Engineering November 2009 - present

- Managing the Rock Engineering department on a shaft level;
 - Developing and managing in-house research projects; and
 - Developing expertise in Rock Engineering.
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Key publications

- **Watson, B.P.** (2004) A rock mass rating system for evaluating stope stability on the Bushveld Platinum mines. *J. S.A. Inst. Min. and Metall.*
- **Watson, B.P., Kuijpers, J.S. and Miovsy, P.** (2009). In situ measurements of pillar behaviour in the Bushveld Platinum deposits of South Africa. *J. S.A. Inst. Min. and Metall.*
- **Watson, B.P., Kuijpers, J.S. Henry, G., Palmer, C.E. and Ryder, J.A.** (2009). Nonlinear rock behaviour and its implications for deeper level platinum mining. *J. S.A. Inst. Min. and Metall.* Vol. 108
- **Watson, B.P., Mosomane, S.M., Kuijpers, J.S. and Roberts, D.P.** (2008) Investigations into the residual strength of a 2.5 m wide bushveld merensky reef crush pillar. *J. S.A. Inst. Min. and Metall.*
- **Watson, B.P., Roberts, M.K.C., Nkwana, M.M. Kuijpers, J. and Van Aswegen, L.** (2007). The stress-strain behaviour of in-stope pillars in the Bushveld Platinum deposits in South Africa. *J. S.A. Inst. Min. and Metall.*, Vol 107:
- **Watson, B.P., Ryder, J.A., Kataka, M.O., Kuijpers, J.S. and Leteane, F.P.** (2008). Merensky pillar strength formulae based on back-analysis of pillar failures at Impala Platinum, *J. S.A. Inst. Min. and Metall.*, Vol 108, pp 449-461
- **Watson, B.P., Stacey A.T. and Kuijpers, J.S.** (2010). Design of Merensky Reef Crush Pillars. *J. S.A. Inst. Min. and Metall.*