## Sonia D'Ambra - Publications



Rogers, S., D'Ambra, S., Dershowitz, B., & Turnbull, R. (2018). Probabilistic Bench Scale Slope Designs Based Upon Realistic Discrete Fracture Network Models. *Proceedings of the International Symposium on Slope Stability in Open Pit Mining and Civil Engineering (Seville, Spain, 11-13 April 2018*).

Valerio, M., D'Ambra, S., & Woodward, R. (2018). An application of point estimation methods to assess open pit slope stability. *Proceedings of the International Symposium on Slope Stability in Open Pit Mining and Civil Engineering, (Seville, Spain, 11-13 April 2018*).

Hamdi, P., Griffiths, C., & D'Ambra, S. (2017). Evaluation of the influence of Uncertainty between Predicted and Measured Ground Water and In-Situ Stress on the Stability of a Large Open Pit Using a Three Dimensional Distinct Element Method. *Proceedings of the 51st US Rock Mechanics / Geomechanics Symposium (San Francisco, 25-28 June 2017*).

Sampaleanu, C., Stead, D., Donati, D., Griffiths, C., D'Ambra, S., & LeBreton, R. (2017). Characterizing brittle fracture induced rockfall in an open sub-level retreat excavation. *Proceedings of the 51st US Rock Mechanics/Geomechanics Symposium (San Francisco, 25-28 June 2017*).

Valerio, M., D'Ambra, S., Castro, L., & Woodward, R. (2017). Evaluation of Rock Bridges through DFN Models to Improve Pit Slope Design in the Absence of Joint Persistence Data. *Proceedings of the 51st US Rock Mechanics / Geomechanics Symposium (San Francisco, 25-28 June 2017)*.

Vivas, J., Stead, D., Allen, D., Elmo, D., & D'Ambra, S. (2014). Characterization of groundwater in rock slopes using DFN engineering approach. *Proceedings, International Conference on Discrete Fracture Network Engineering, DFNE 2014 (Vancouver, 19-22 October 2014)*.

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Vivas, J., Tuckey, Z., Stead, D., Wolter, A., Elmo, D., & D'Ambra, S. (2013). Seepage characterization in high rock slopes using remote sensing. *Proc 47th US Rock Mechanics Symposium (San Fransisco, June 23 – 26, 2013*). American Rock Mechanics Association (CD-ROM), Paper ARMA No. 13-462, 19pp.

D'Ambra, S. (2011). Assessment, Monitoring and Ground Control Management of Rock Slope Stability at the Red Dog Open Pit Mine. *Proceedings of the International Symposium on Rock Slope Stability in Open Pit Mining and Civil Engineering (Vancouver, 18-21 September 2011)*.

Elmo, D., Moffit, K., D'Ambra, S., & Stead, D. (2009). A quantitative characterization of brittle rock fracture mechanisms in rock slope failures. *Proceedings of the Slope Stability 2009 Symposium (Santiago, 9-11 Nov 2009)*. pp. 1-11.

D'Ambra, S. (2007). Characterization and back analysis of a complex slope deformation: San Bartolo Cliff. *Proceedings of the 1st Canada-US Rock Mechanics Symposium (Vancouver, 27-31 May 2007).* 

D'Ambra, S., & Lembo-Fazio, A. (2005). Cliff Stabilization in Turbidite Deposits: Remediation Works of the Slope Under the Ancient Bell Tower of the Fiorenzuola di Focara Town (Italy). *Proceedings of the International Conference on Problematic Soils (Cyprus, 25-27 May 2005*).

5/31/2024 1