

- Katsaga, T. et al. “Hydraulic Fracturing Operations in Mining: Conceptual Approach and DFN Modeling Example,” *Mining Technology*, **124**(4), 255–266. 2015.
- Corkum, A. G., L. J. Lorig and D. O. DeGagné. "Continuum Representation of Brittle Rock Failure Bulking-Induced Displacements Around Tunnels," in **46th U.S. Rock Mechanics / Geomechanics Symposium (Proceedings, ARMA, Chicago, June 2012)**. Paper No. 12-176. Alexandria, Virginia: ARMA, 2012.
- DeGagné, D. O., A. G. Corkum and L. J. Lorig. “Estimation of Tunnel Squeezing in Anisotropic Stress Fields Using a FLAC-Based Neural Network,” in **Continuum and Distinct Element Modeling in Geomechanics — 2011 (Proceedings, 2nd International FLAC / DEM Symposium, Melbourne, February 2011)**, Paper 03-06, pp. 141-151. D. Sainsbury et al., Eds. Minneapolis: Itasca International Inc., 2011.
- Tawadrous, A., D. DeGagné, M. Pierce and D. Mas Ivars. “Prediction of Uniaxial Compression PFC3D Model Micro-Properties using Artificial Neural Networks,” *Int. J. Numer. Anal. Methods Geomech.*, **33**(18), 1953-1962, doi: 10.1002/nag.809. 2010.
- Pierce, M., M. Gaida and D. DeGagne. “Estimation of Rock Block Strength,” in **ROCKENG09 (Proceedings, 3rd CANUS Rock Mechanics Symposium, Toronto, May 2009)**, Paper No. 4360. M. Diederichs and G. Grasselli, Eds., 2009.
- Mas Ivars, D., M. Pierce, D. DeGagné and C. Darcel. “Anisotropy and Scale Dependency in Jointed Rock-Mass Strength — A Synthetic Rock Mass Study,” in **Continuum and Distinct Element Numerical Modeling in Geo-Engineering (Proceedings, 1st International FLAC / DEM Symposium, Minneapolis, August 2008)**, Paper No. 06-01. R. Hart et al., Eds. Minneapolis: Itasca Consulting Group, Inc., 2008.
- DeGagné, D. O., and S. D. McKinnon. “The Influence of Cave Mass Properties on Discrete Sublevel Cave Models,” in **Golden Rocks 2006 — 50 Years of Rock Mechanics (Proceedings, 41st U.S. Rock Mechanics Symposium, Colorado School of Mines, June 2006)**, Paper No. 06-1148. S. Yale et al., Eds. Alexandria, Virginia: ARMA, 2006.
- DeGagné, D. O., and S. D. McKinnon. “Discrete Element Modelling of Sublevel Cave Mining,” in **CD Proceedings, Canadian Young Geotechnical Engineers and Geoscientists Conference (Manoir St-Castin, Québec City, Canada, October 2004)**. Richmond, British Columbia: Canadian Geotechnical Society, 2004.
- DeGagné, D. O., and S. D. McKinnon. “The Influence of Blasting Fragmentation on Ore Recovery in Sublevel Cave Mines,” in **Alaska Rocks 2005 — Rock Mechanics for Energy, Mineral and Infrastructure Development in the Northern Regions (CD Proceedings, University of Alaska-Anchorage, June 2005)**, Paper No. ARMA/USRMS 05-811. G. Chen et al., Eds. 2005.
- De Souza, E. M., D. O. DeGagné and J. F. Archibald. “Minefill Applications, Practices and Trends in Canadian Mines,” in **Minefill 2001 (Proceedings, 7th International Symposium on Mining with Backfill, Seattle, September 2001)**, pp. 311-319, D. Stone, Ed. Littleton, Colorado: SME, 2001.
- DeGagné, D. O. “New Concepts in Mine Backfill Training,” presented at the Mining Health and Safety Conference 2001 (Sudbury, Ontario). April, 2001.

DeGagné, D. O., J. H. Nantel, J. F. Archibald and F. P. Hassani. “New Concepts in Mine Backfill Training,” in the *CD Proceedings, 103rd Annual General Meeting of the Canadian Institute of Mining, Metallurgy and Petroleum, (Quebec City, Quebec, Canada, May 2001)*, CIM-AGM, 2001.

DeGagné, D. O., E. De Souza and J. Nantel. “Requirements for Underground Mine Backfill Monitoring,” in *CD Proceedings, 103rd Annual General Meeting of the Canadian Institute of Mining, Metallurgy and Petroleum, (Quebec City, Quebec, Canada, May 2001)*, CIM-AGM, 2001.

DeGagné, D. O., J. H. Nantel, J. F. Archibald and F. Hassani. “New Concepts in Mine Backfill Training,” in *Minefill 2001 (Proceedings, 7th International Symposium on Mining with Backfill, Seattle, September 2001)*, pp. 329-334, D. Stone, Ed. Littleton, Colorado: SME, 2001.

Archibald, J. F., and D. O. DeGagné. “Overview — Canadian Advances in Rock Mechanics,” *J. Can. Inst. Min., Metall. Petr. (CIM Bull.)*, **94**(1050), 9-10. 2001.

Archibald, J. F., and D. O. DeGagné. “Spray-On Lining Support in Canadian Underground Mining — A Research Summary,” *J. Can. Inst. Min, Metal. & Petr. (CIM Bull.)*, **94**(1050), 49-56. 2001.

Archibald, J. F., and D. O. DeGagné. “Recent Canadian Advances in the Application of Spray-On Polymeric Linings,” presented at the Mining Health and Safety Conference 2000 (Sudbury, Ontario, Canada). April, 2000.

Archibald, J. F., S. Espley-Boudreau and D. O. DeGagné. “Economic and Productivity Comparison of Bolt & Screen, Shotcrete and Spray-on Liner Rock Support Methods,” in the *CD Proceedings, 102nd Annual General Meeting of the Canadian Institute of Mining, Metallurgy and Petroleum (Toronto, Ontario, Canada, March 2000)*, CIM-AGM, 2000.

Archibald, J. F., F. Hassani, J. H. Nantel, and D. O. DeGagné. “Mine Backfill, An Operator's Guide — An Interactive CD-ROM for Mine Operators and Engineers,” presented at the 102nd Annual General Meeting of the Canadian Institute of Mining, Metallurgy and Petroleum (Toronto, Ontario). March, 2000.

Archibald, J. F., S. J. Espley, D. O. DeGagné and U. Bickis. “Occupational Hazards of Spray-On Liner Applications in Underground Environments: Truths and Myths,” in *101st Annual General Meeting of the Canadian Institute of Mining, Metallurgy and Petroleum (CD Proceedings, Rock Mechanics and Strata Control Group Conference, Calgary, Alberta, Canada, May 1999)*. Westmount, Canada: CIM, 1999.

De Souza, E. M., J. F. Archibald and D. O. DeGagné. “Glassfill — An Environmental Alternative for Waste Glass Disposal,” *J. Can. Inst. Min. Metall. Petr. (CIM Bull.)*, **90**(1010), 58-64. 1997.

Archibald, J. F., D. O. DeGagné and P. Lausch. “Update of Mine Backfill and Rock Fill Strength Beneficiation Using Ground Waste Glass as Portland Cement Binder Replacement,” in *98th Annual General Meeting of the Canadian Institute of Mining, Metallurgy and Petroleum (CD Proceedings, Rock Mechanics and Strata Control Group Conference, Edmonton, Alberta, Canada, May 1996)*. Westmount, Canada: CIM, 1996.

De Souza, E. M., J. F. Archibald and D. O. DeGagné. “Glassfill — An Environmental Alternative for Waste Glass Disposal,” in the *98th Annual General Meeting of the Canadian Institute of Mining, Metallurgy and Petroleum (CD Proceedings, Rock Mechanics and Strata Control Group Conference, Edmonton, Alberta, May 1996)*. Westmount, Canada: CIM, 1996.

Archibald, J. F., D. O. DeGagné, P. Lausch and E. M. De Souza. “Ground Waste Glass As a Pozzolanic Consolidation Agent for Mine Backfill,” in *97th Annual General Meeting of the Canadian Institute of Mining, Metallurgy and Petroleum (Proceedings, Rock Mechanics and Strata Control Committee Conference, Halifax, Nova Scotia, Canada, May 1995)*, pp. 40-54. Westmount, Canada: CIM, 1995.

Archibald, J. F., D. O. DeGagné, P. Lausch, and E. M. de Souza. “Ground Waste Glass as a Pozzolanic Consolidation Agent for Mine Backfill,” *J. Can. Inst. Min. Metall. Petr. (CIM Bull.)*, **88**(995), 80-87. 1995.