

Silva, R., C. Alvarez, R. Ledezma and M. Diaz. “Creep Modeling as a means to Interpret the Behavior of the West Wall of the Chuquicamata Open Pit,” in *Rock Mechanics for Mining (Proceedings, XV Congreso Panamericano de Mecánica de Suelos e Ingeniería Geotécnica, Buenos Aires, Argentina, 2015)*.

Alvarez, C., P. Gomez and M. Nehgme. “Cratering Prediction due to Block Caving,” in *Rock Mechanics for Natural Resources and Infrastructure (Proceedings, SBMR 2014 – ISRM Specialized Conference, Goiania, Brazil, September 2014)*.

Alvarez, C., and P. Gomez. “Seismic and Coupled Thermal-Stress Analysis of an RCC Dam Using FLAC3D,” 10th World Congress on Computational Mechanics, Extended Abstract, 2012.

Jefferies, M., L. Lorig and C. Alvarez. “Influence of Rock-Strength Spatial Variability on Slope Stability,” in *Continuum and Distinct Element Numerical Modeling in Geo-Engineering (Proceedings, 1st International FLAC / DEM Symposium, Minneapolis, August 2008)*, Paper No. 05-01. R. Hart et al., Eds. Minneapolis: Itasca Consulting Group, Inc., 2008.

Alvarez, C., C. Conca, L. Friz, O. Kavian and J. H. Ortega. “Identification of Immersed Obstacles via Boundary Measurements,” *Inverse Probl.*, **21**, 1–23 (2005).

Groom, W. R., J. Ruizhong and C. Alvarez. “Investigations into Inversion of Magnetic and Gradient Magnetic Data for Detection and Discrimination of Metallic Objects,” *SAGEEP*, Extended Abstract, 2003.

Groom, R., and C. Alvarez. “3D EM Modelling — Application of the Localized Non-Linear Approximator to Near Surface Applications,” *SAGEEP*, Extended Abstract, 2002.

Alvarez, C., R. W. Groom and I. R. Murray. “An Interpretation Study of Pulse EM Reconnaissance Data from the Raglan Belt of Northern Canada. Extended Abstracts of EM3D-2,” in *Proceedings of the Second International Symposium on Three-Dimensional Electromagnetic (Salt Lake City, Utah, 1999)*.

Murray, I. R., C. Alvarez and R. W. Groom. “Modelling of complex electromagnetic targets using advanced non-linear approximation techniques,” in *Extended Abstracts of SEG International Exposition and 69th Technical Meeting (Houston, Texas, 1999)*.

Alvarez, C., and R. B. Mann. “The Equivalence Principle and Experiments,” *Phys. Lett.*, **B420**, 83-87 (1997).

Alvarez, C., and R. B. Mann. “Testing the Equivalence Principle in the Quantum Regime,” *Gen. Relat. Gravit.*, **29**, 245-250 (1997).

Alvarez, C., and R. B. Mann. “The Equivalence Principle and Anomalous Magnetic Moment Experiments,” *Phys. Rev.*, **D54**, 7097 (1996).

Alvarez, C., and R. B. Mann. “The Equivalence Principle in the Non-Baryonic Regime,” *Phys. Rev.*, **D55**, 1732-1739 (1996).

Alvarez, C., and R. B. Mann. “Test of the Equivalence Principle Using Atomic Vacuum Energy Shifts,” *Mod. Phys. Lett. A*, **11**, 1757-1763 (1996).

Alvarez, C., and R. B. Mann. “Testing the Equivalence Principle by Lamb Shift Energies,” *Phys. Rev.*, **D54**, 5954-5974 (1996).

Alvarez, C., and R. B. Mann. “Local Position Invariance and Vacuum Energy Shifts,” in *Proceedings of 5th Canadian Conference on General Relativity and Relativistic Astrophysics*, pp. 200-203. R. B. Mann and R. G. McLenaghan, Eds. Singapore: World Scientific, 1993.

Alvarez, C., F. A. Brieva, W. G. Love and K. Nakayama. “Validity of the Quasiparticle Approximation in Nuclear Matter,” *Phys. Rev.*, **C46**, 565-70 (1992).

Alvarez, C., H. F. Arellano, F. A. Brieva and W. G. Love. “Development and Applications of Full-Folding Optical Potentials,” in *Spin and Isospin in Nuclear Interactions*, pp. 219-230. S. W. Wissink et al., Eds. New York: Plenum Press, 1991.