

M. Jefferies, 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. 01-05. R. Hart et al., Eds. Minneapolis: Itasca Consulting Group, Inc., 2008.

Alvarez, C., C. Conca, L. Friz, O. Kaviani 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, 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, 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, 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.