Research (CGEM & GMRC)

- Second order effects in IP data acquired with the NEWDAS system
- Advanced UXO detection and discrimination using magnetic data based on extended Euler deconvolution and shape identification through multipole moments
- Enhancement of TEM Data and Noise Characterization by Principal Component Analysis
- Robust lineament delineation from magnetic data
- Interpretation of VTEM, ZTEM and MT data in difficult environments

Selected Publications

- Tom LaFehr and Misac Nabighian, Fundamentals of Gravity Exploration, in press
- Davis, K., Li, Y., and Nabighian, M., 2011, Effect of low pass filtering on the structural index from magnetic data: GEOPHYSICS, 76, 23-28