

Kristofer J. Davis

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Education

Ph. D. Candidate, Geophysics 3.4/4.0 GPA Expected Graduation: *Dec. 2008*
Colorado School of Mines (CSM), Golden, CO

Bachelor of Science, Geophysical Engineering 3.3/4.0 Major GPA Graduated: *May 2005*
Colorado School of Mines, Golden, CO

Research Experience

- UXO magnetic processing: Center for Gravity, Electrical and Magnetic Studies (CGEM), CSM
 - Time-Lapse Geophysics: Gravity, EM: Gravity and Magnetism Research Consortium (GMRC), CSM
 - Joint equivalent source processing of total-field and gradient magnetism, GMRC, CSM
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Professional Societies

- Society of Exploration Geophysicists (SEG)
 - Near Surface Group (NSG) of SEG
 - Australian Society of Exploration Geophysicists (ASEG)
 - Society of Graduate Geophysics Students, Colorado School of Mines (SGGS); Treasurer
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Recent Employment

May '07 – Aug. '07	<i>Intern – BP</i>	Houston, TX
	Wrote modeling code in FORTRAN for 4D gravity within the Exploration Production & Technology Group – Non-Seismic Group. Worked for David Meaux (david.meaux@bp.com) .	
May '06 – May '07	<i>Research Associate – CSM</i>	Golden, CO
	Joint inversion of gradient and total-field magnetic data.	
Aug. '05 – Present	<i>Teaching Assistant – CSM</i>	Golden, CO
	GPGN303: “Introduction to Gravity and Magnetic Exploration”	
Jan. '04 – Present	<i>School Mascot – CSM</i>	Golden, CO
	Performing “Marvin the Miner” at sporting and recruiting events. Working for Athletic Director Tom Spicer (tspicer@mines.edu) .	
June '05 – Aug. '05	<i>Geophysicist – Condor Consulting, Inc.</i>	Lakewood, CO
	Heavily modified a “quick-fit” program in Fortran to fit dipping plates to aero-electromagnetic (AEM) data. Worked for Ken Witherly (ken@condorconsult.com) .	
Jan. '04 – May '05	<i>Researcher – CSM</i>	Golden, CO
	Utilized extended-Euler deconvolution for the automatic picking of potential unexploded ordnance (UXO). Worked for Yaoguo Li .	

Selected Conference Proceedings

- Davis, K. and Li, Y., 2007, *A fast approach to magnetic equivalent source processing using an adaptive quadtree mesh discretization*, 19th Geophysical Conf. and Exhibition, Australian Soc. of Expl. Geophys.
- Davis, K. and Li, Y., 2007, *Joint processing of total-field and gradient magnetic data using equivalent sources*, 77th Annual Internat. Mtg. Soc. Expl. Geophys., Expanded Abstracts, **26**, 775
- Li, Y., and Davis, K., 2007, *Time-lapse gravity: a potential-field method for ground water problems*. SEG Groundwater Expo, Orlando FL.
- Davis, K., Li, Y., and Nabighian, M., 2005, *Automatic detection of UXO anomalies using extended Euler deconvolution*, 75th Annual Internat. Mtg. Soc. Expl. Geophys., Expanded Abstracts, **24**, 639
- Davis, K., Li, Y., Batzle, M., Reynolds, B., 2005, *Time-lapse gravity monitoring of an aquifer storage recovery project in Leyden, Colorado*, 75th Annual Internat. Mtg. Soc. Expl. Geophys., Expanded Abstracts, **24**, 1133
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Awards

- Invited speaker, Gravity and Magnetism Workshop, 2007, Society of Exploration Geophysicists
 - Denver Geophysical Society Scholarship, 2007 – 2008 Academic Year, Awarded \$2000
 - Technology Fee grant for new GPS system, 2007, Geophysics Dept., CSM – \$19,506
 - SEG Best Student Paper, 2005, *Automatic detection of UXO anomalies using extended Euler deconvolution*
 - John C. Hollister Award, 2005, Geophysics Dept., CSM
 - Eagle Scout, Boy Scouts of America
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