

CSM Department of Geophysics
Thesis Listings

LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Abdelmalik	Mohamed B.A.	MS	1983	T2733	<i>Applications of electrical resistivity method in sea-water intrusion problem in Ayn Zayanah Area near Benghazi, Libya</i>
Abdelmalik	Mohamed B.A.	PhD	1988	T3327	<i>Vertical resolution capability study of direct-current, magnetotelluric, and time-domain electromagnetic methods</i>
Abdulla	Mohamed	MS	2013		<i>Numerical investigation of coal seam gas detection using airborne electromagnetics</i>
Abdullayev	Nazim R.	MS	1999	T5268	<i>Seismic stratigraphy of upper pliocene and quaternary deposits in the South Caspian Basin</i>
Abraham	Jared D.	MS	1999	T5264	<i>Physical modeling of a prototype slim-hole time-domain dielectric logging tool</i>
Adam	Ludmila	MS	2004	T5841	<i>Anisotropic parameter estimation from borehole data at Weyburn Field: uncertainty and resolution</i>
Adam	Ludmila	PhD	2009	T6508	<i>Elastic and visco-elastic laboratory properties in carbonates</i>
Adamson	Robert C.	MS	1956	T0834	<i>A magnetic investigation in the Kassler area, Jefferson County, Colorado</i>
Agena	Warren F.	MS	1988	T3561	<i>"Stafoid" an expert system to identify seismic tape formats</i>
Ahmad	Riaz	MS	1990	T3822	<i>Field and model studies on the seismic detection of mine workings near Marshall, Colorado</i>
Ahmed	Adnan A.	MS	1973	T1602	<i>Time-domain electromagnetic sounding curves for short-line source and loop receiver by means of digital linear filter</i>
Ajayi	Clement O.	MS	1975	T1750	<i>A method for estimating the depth to a gravitating body from its equivalent source</i>
Akbulut	Koray R.	MS	1979	T1785	<i>Spectral studies of Type kernel curves in the direct current resistivity method</i>
Akkurt	Ridvan	PhD	1990	T3835	<i>Effects of motion in pulsed NMR logging</i>
Aktarakci	Hasan Kamil	PhD	1993	T4331	<i>Principles and application of transient electromagnetic method</i>
Aktarakci	Hasan Kamil	PhD	1997	T4849	<i>Integrated interpretation of geophysical data at Savannah River Site, South Carolina</i>
Alam	MD Noor	MS	1988	T3667	<i>Lateral seismic velocity gradients on Georges Bank, U.S. Atlantic Continental Margin: A comparison of seismic common depth-point (CDP) moveout velocity with sonic and checkshot velocities from ten exploratory wells</i>
Alazar	Tesfalul	MS	1987	T3297	<i>Seismic investigation of the Ogaden Basin Onshore Ethiopia</i>
Al-Dajani	Abdulfattah A.	MS	1996	T4950	<i>Reflection moveout and parameter estimation for horizontal transverse isotropy</i>
Aldolajjan	Abdulmohsin Y.	PhD	1991	T3944	<i>Residual-phase estimation by homomorphic transformation</i>
Aldredge	Robert F.	MS	1933	T0541	<i>The effect of dipping strata on earth resistivity determinations</i>
Al-Faraj	Mohammed	MS	1987	T3292	<i>Use of post-critical seismic reflection amplitudes, for exploration purposes, including depth estimation</i> 2 copies
Al-Faraj	Mohammed	PhD	1993	T4344	<i>Transformation to zero offset formode-converted waves</i>
Al-Fares	Mohammed H.	MS	1988	T3404	<i>Improvements on conventional VSP processing and the use of spatial median filters</i>
Al-Garni	Mansour A.	MS	1996	T4930	<i>Direct current resistivity investigation of groundwater in the Lower Mesilla Valley, New Mexico and Texas</i>
Ali	Mohammed	MS	1967	T1142	<i>A seismic reflection investigation in the westcentral, South Park, Park County, Colorado</i>
Al-Khafaji	S. A.	PhD	1965	T1033	<i>A method for computing the terrain correction for the near zone by the use of triangular prisms</i> 2 copies
Al-Khalifah	Tariq A.	MS	1993	T4454	<i>Migration error in transversely isotropic inhomogeneous media</i>
Al-Khalifah	Tariq A.	PhD	1997	T4962	<i>Seismic processing in transversely isotropic media</i>
Allen	Samuel W.	MS	1986	T3225	<i>Seismic interpretation, Riverslea field, Surat Basin, southeast Queensland, Australia</i> 3 copies
Almarzoug	Ahmed M.	MS	1989	T3842	<i>Estimating the constant phase shift term direction from the seismic data</i>
Al-Mashouq	Khalid	MS	1988	T3602	<i>Relationship between shear wave birefringence and fracture spacing: a laboratory study</i>
Al-Nemer	Jaafar Muhammad	MS	1987	T3291	<i>P-wave one-dimensional seismic response of a linear velocity transition zone using wave theory</i> 2 copies

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LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Al-Qahtani	Abdulmotaleb	MS	1988	T3555	<i>Statistical and deterministic deconvolution applied to vertical seismic profiling</i>
Al-Rufaii	Khalid	MS	1993	T4275	<i>A mathematical model of transversely isotropic media: theoretical aspects and real application</i>
Al-Saleh	Abdullah	MS	1991	T3873	<i>Ray-theoretic modeling in 2.5-D smoothed media</i>
Al-Shakhis	Amir A.	MS	1987	T3434	<i>The relationship between F-K filtering and deconvolution in seismic data processing</i>
Altan	Ozer	MS	1961	T0927	<i>Calculation of the gravimetric effects of topography and isostatic compensation with an electronic digital computer</i>
Alvarez de la Hoz	Gabriel	MS	1995	T4855	<i>A comparison of moveout-based approaches to suppression of ground-roll and multiples</i>
Al-Yacoub	Tassier	ME	1988	T3574	<i>Application of reflection and refraction to estimate residual static corrections caused by near-subsurface heterogeneity in Saudi Arabia</i>
Al-Zayer	Ramzy	MS	2005	T5979	<i>Influence of the host medium on GPR polarization characteristics of a cylinder</i>
Andersen	Henrik T.	MS	1978	T2042	<i>On the automatic inversion of two-dimensional potential field data</i>
Andersen	Henrik T.	PhD	1987	T3373	<i>Analytic continuation in the interpretation of transient electromagnetic data</i>
Anderson	John E.	PhD	1996	T4862	<i>Imaging in transversely isotropic media with a vertical symmetry axis</i>
Anderson	Robert C.	MS	1982	T2312	<i>A feasibility study using borehole data as applied to the seismic detection of carbonate porosity in the Madison and Red River formations, northeastern Powder River Basin</i>
Andrews	Ben P.	MS	2016		<i>Shear-Wave Splitting and Attenuation Analysis of Downhole Microseismic Data for Reservoir Characterization of The Montney Formation, Pouce Coupe, Alberta</i>
Anguiano-Rojas	Pedro	PhD	1995	T4643	<i>The forward and inverse problems in induction logging</i>
Anno	Phil D.	PhD	1992	T4326	<i>A Klein-Gordon Acoustic Theory</i>
Applegate	James K.	MS	1968	T1200	<i>A seismic investigation of the offshore Santa Maria area, California</i>
Applegate	James K.	PhD	1974	T1635	<i>A torsional seismic source</i>
Araji	Ali H.	MS	2010	T6798	<i>Imaging using seismoelectric crosshole tomography</i>
Araman	Alexandre	MS	2009	T6618	<i>Inversion of converted-wave seismic data for reservoir characterization at Rulison Field, Colorado</i>
Araya	Kidane	MS	1986	T3176	<i>Seismic investigation of the southern Red Sea offshore Ethiopia</i>
Araya	Kidane	PhD	1993	T4175	<i>Comparison of asymptotic and generalized ray analysis of horizontally polarized shear waves</i>
Arestad	John F.	MS	1977	T1934	<i>Resistivity studies in the upper Arkansas valley and northern San Luis Valley, Colorado</i>
Arestad	John F.	PhD	1995	T4762	<i>An integrated multicomponent three-dimensional seismic characterization of Joffre Field, Alberta, Canada</i>
Arias	Elias	MS	2016		<i>Seismic Slope Estimation: Analyses in 2D/3D</i>
Artley	Craig T.	MS	1992	T4173	<i>Dip-moveout processing for depth-variable velocity</i>
Asencio	Eugenio	MS	1979	T2219	<i>Western Puerto Rico seismicity</i>
Asgarov	Hasan	MS	2004	T5953	<i>Wrench faulting at Weyburn Field, Saskatchewan</i>
Atkinson	Jared	MS	2010	T6776	<i>Multicomponent time-lapse monitoring of two hydraulic fracture simulations in an unconventional reservoir, Pouce Coupe field, Canada</i>
Atshan	Imad O.	MS	2013		<i>Waterflood monitoring using borehole self-potential data</i>
Attid	Juma K.	MS	1989	T3710	<i>Analysis of Shaly Sands using neutron and density logs</i>
Auguerrevere	Pedro J.	MS	1929	T0517	<i>A study for the development of a field magnetometer based on the principle of the earth inductor</i>
Avila Vizuet	Karla C.	MS	2016		<i>Application of The Seismic Quality Factor Versus Offset and Azimuth (QVOA) for Fractured Reservoir Characterization</i>
Babalola	Afolabi Oluwole	MS	2008	T6421	<i>3-D AVO analysis and modeling applied to fracture and gas detection at Rulison Field, Piceance Basin, Colorado</i>
Bahavar	Manouchehr	MS	1980	T2330	<i>Seismic channel waves in Pennsylvania coals; influence of proof clay</i>
Bahavar	Manouchehr	PhD	1984	T2821	<i>The reflection of channel waves from obstructions in a coal seam with dissimilar roof and floor: numerical modeling</i>
Baird	John	PhD	1940	T0586	<i>Potential drop ratios in the case of a stratified medium</i>
Baker	Kathleen	MS	2006	T6133	<i>Forward modeling of deepwater outcrop geobodies to enhance seismic interpretation of Ursa Field, Gulf of Mexico</i>

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LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Baker	Mark E.	MS	1984	T3012	<i>The gravity survey of the south flank of the Uinta Mountains, Moon Lake-Rock Creek area, Utah</i>
Balachandran	K.	PhD	1967	T1085	<i>Theory of the solar wind interaction with the geomagnetic field</i>
Balch	Alfred H.	PhD	1964	T0999	<i>Elastic waves in a linearly varying medium</i>
Baldwin	Harry L., Jr.	MS	1960	T0910	<i>Gravity survey in part of the Snake River Plain, Idaho</i>
Ball	Vaughn L.	MS	1993	T4025	<i>Seismic velocities in sandstones under conditions of triaxial stress</i>
Balza Morales	Andrea	MS	2017		<i>Joint Interpretation of Time-Lapse Gravity Data and Production Data For A Gas Reservoir</i>
Barbosa Murillo	Paula A.	MS	2017		<i>Sequence Stratigraphic Analysis & Anisotropic Elastic Moduli Determination of The Vaca Muerta Formation, Neuquen Basin, Argentina</i>
Barnard	William N., Jr.	MS	1994	T4493	<i>An integrated geophysical study of the shallow subsurface at the Rocky Mountain Arsenal, Commerce City, Colorado</i>
Barnett	Colin T.	PhD	1972	T1453	<i>Theoretical modeling of induced polarization effects due to arbitrarily shaped bodies</i> 3 copies
Barnier	Guillaume	MS	2013		<i>Detecting electrical and hydraulic heterogeneities using seismic focusing and seismoelectric conversions</i>
Barreda	Willy Z. Rodriguez	MS	1972	T1469	<i>Strain release in the central Aleutians from 1966 to 1970: Observed seismicity vs estimated creep</i>
Barrows	Lawrence J.	MS	1973	T1592	<i>Earth Strain: Episodic noise due to soil moisture variations</i>
Barrows	Lawrence J.	PhD	1978	T1983	<i>Gravitational tectonic and static seismic modeling with finite elements</i>
Barry	Charles T.	ME	1980	T2429	<i>A study of the vertical vibrator source for seismic profiling in the Yucca Mountain area of the Nevada test site</i>
Bazargani	Farhad	PhD	2014		<i>Optimal wave focusing for seismic source imaging</i>
Becker	R. M.	MS	1960	T0913	<i>Geophysical investigation of Iron Mountain titaniferrous magnetite deposit, Fremont County, Colorado</i>
Bediz	Pertev I.	MS	1942	T0593	<i>Depth determination of semi-infinite horizontal conductive layer by electromagnetic galvanic methods.</i>
Bedwell	John L.	PhD	1974	T1621	<i>Textural parameters of clastic rocks from borehole measurements and their application in determining depositional environments</i>
Beggs	George	MS	1977	T1880	<i>Interpretation of seismic reflection data from the Hartsel and Sulphur Mountain quadrangles, Park County, Colorado</i>
Behura	Jyoti	PhD	2009	T6578	<i>Estimation and analysis of attenuation anisotropy</i>
Bellatti	John T.	MS	1981	T2491	<i>A field investigation comparing conventional compressional-wave, and horizontally-polarized shear-wave reflections</i>
Benoiel	Serge D.	MS	1981	T2732	<i>Frequency-wave number approach of slant stack and some application in seismic data processing</i>
Benoiel	Serge D.	PhD	1993	T4385	<i>Image classification applied to seismic semblance data</i>
Benson	Robert D.	MS	1984	T2863	<i>Seismic investigation of the Permian-Pennsylvanian Minnelusa Formation, Prong Creek Field, Crook County, Wyoming</i>
Benson	Robert D.	PhD	1997	T5057	<i>Reservoir characterization utilizing 3-D, multicomponent seismic data, Cedar Hill Field, San Juan Basin, New Mexico</i>
Benyamin	Ninos B.	MS	1968	T1217	<i>Digital restoration of strain steps from strainmeter transients</i>
Bergeon	Thomas C.	MS	1986	T3218	<i>Seismic character study Ismay Cycle, Paradox formation, Paradox Basin, Southwest Colorado</i>
Berkman	Frederick E.	MS	1978	T2150	<i>A magnetic model study of the Long Valley Caldera, California</i>
Berkman	Frederick E.	PhD	1988	T3377	<i>Interpretation of gravity and magnetic data from the northern Appalachian Basin</i>
Bhasavanija	Khajohn	PhD	1983	T2763	<i>A finite difference model of an acoustic logging tool: The borehole in a horizontally layered geologic medium</i>
Bibolova	Assem	MD	2012	T6994	<i>Prediction of petrophysical properties from p-wave seismic data, Delhi Field, Louisiana</i>
Birdsall	Edwin Fred	PhD	1956	T0804	<i>A seismic and gravimetric study of the Golden fault near Golden, Colorado</i>
Bishop	John E., Jr.	MS	2013		<i>Multicomponent seismic monitoring of strain due to CO2 injection at Delhi Field, Louisiana</i>
Blaylock	James J.	MS	1999	T5251	<i>Interpretation of a baseline 4-D multicomponent seismic survey at Vacuum Field, Lea County, New Mexico</i>

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LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Bloss	Benjamin R.	MS	2017		<i>Powerline Contamination In Time-Domain Electromagnetic Data: Experiment, Theory, and Basic Building Blocks</i>
Boardman	Joseph	MS	1985	T3013	<i>Magnetic anomalies over oil fields</i>
Bochicchio	Regina	MS	1988	T3539	<i>Computerized geometric correction of ground penetrating radar images</i>
Bode	Robert M.	MS	1980	T2267	<i>Mapping and filtering of electrical potential data</i>
Boden	Linda	MS	1985	T3153	<i>Sound speed profile inversion in the ocean</i>
Boden	Linda	PhD	1989	T3790	<i>Modeling and inversion in the ocean waveguide using Born and Rytov approximations</i>
Bond	Marc	MS	1981	T2400	<i>An integrated geophysical study of the Shaw Warm Spring area, San Luis Valley, south-central Colorado</i>
Bork	Jonathan	PhD	1973	T1495	<i>Prediction of surface shapes from a single seismic wave</i>
Botha	Wilhelm J.	MS	1978	T1726	<i>Horizontal electrical profiling in groundwater exploration</i>
Botha	Wilhelm J.	PhD	1980	T2329	<i>Basis of theory and interpretation of the dual frequency method</i>
Bower	Michael O.	MS	1989	T3730	<i>Continuous refraction profiling: A new standard for seismic refraction surveys (2 copies)</i>
Bremner	Douglas L.	MS	1978	T2063	<i>Rxo/RT vs SP technique and implications regarding resistivity and SP relations in shaly sands</i>
Briceno	Maria Gabriela	MS	2005	T5717	<i>Invasion profiles derived from shallow wireline logs</i>
Bridges	Mason Andrew	MS	2016		<i>Mechanical Properties of The Niobrara</i>
Broggini	Filippo	PhD	2013		<i>Wave field autofocusing and applications to multidimensional deconvolution and imaging with internal multiples</i>
Brown	David W.	MS	1978	T2109	<i>Reflection seismic study of the Canon City-Pueblo area, Fremont and Pueblo Counties, Colorado</i>
Brown	Leo Thomas	MS	2002	T5608	<i>Integration of rock physics and reservoir simulation for the interpretation of time-lapse seismic data at Weyburn field, Saskatchewan</i>
Brush	Jennifer	MS	2016		<i>Faults and Fractures In The Niobrara Formation of Wattenberg Field, Colorado</i>
Brygider	Brandon R.	MS	1980	T2326	<i>Second vertical derivative enhancement of direct current bipole-bipole data</i>
Bublitz	Richard F.	MS	1961	T0920	<i>A comparison of four contemporary seismic migration methods, T35 N, R93 W, Big Horn County, Wyoming</i>
Buchanan	Paul C.	MS	1978	T2110	<i>Seismic stratigraphy of the Terry and Hygiene Members of the Pierre Shale, Weld County, Colorado</i>
Budihardjo	Santoso	MS	1995	T4673	<i>Quantifying limitations on signal-to-noise ratio improvement in the stacking of seismic data</i>
Burgett	William A.	MS	1983	T2355	<i>Physical modeling of the transient electromagnetic response of dike-like conductive bodies buried beneath highly conductive overburden</i>
Burke	Lauri Ann	PhD	2007	T6369	<i>Frequency domain signal processing of sonic full waveforms generated by borehole geophysical measurements</i>
Burns	Daniel	MS	1978	T2204	<i>Reflection and transmission of shear waves in anisotropic media</i>
Burton	Bethany	MS	2004	T5952	<i>Attenuation analysis of ground penetrating radar data acquired over a crude oil spill</i>
Butler	David	PhD	1969	T1222	<i>Potential-field data analysis</i>
Butler	Emily	MS	2016		<i>P-Wave Seismic Time-Lapse Analysis of Horizontal Well Completions Causing Pressure Compartmentalization</i>
Cable	Steven W.	MS	1986	T3229	<i>A characterization of the Oregon basin thrust, Big Horn Basin, Wyoming (2 copies)</i>
Cabrera-Garzon	Raul	MS	1996	T4868	<i>Application of geostatistical techniques to 3-D, 3-C seismic and cores studies to estimate reservoir porosity in the lower nisku interval at Joffre Field, Alberta, Canada</i>
Cai	Pengfei	MS	2013		<i>Joint migration velocity analysis of PP- and PS-waves for VTI media</i>
Canan	Birsen C.	PhD	1999	T5219	<i>Dielectric properties of mixtures of clay-water-organic compounds</i>
Capello de Passalacqua	Maria Angela	MS	1995	T4835	<i>Geology and rock physics of the San Andres formation in Vacuum Field, New Mexico</i>
Carlson	James C.	MS	1974	T1623	<i>Depositional environments from borehole measurements lower cretaceous, Peoria fields and adjacent areas, Arapahoe County CO</i>
Carlson	Kenneth W.	MS	1975	T1777	<i>Seismic noise and microseismicity in a Nevada geothermal prospect</i>

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LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Carroll	Randall J.	MS	1979	T2210	<i>Elastic wave reflection and transmission response vs angle of incidence for thin bed sequences</i>
Carvajal Meneses	Carla C.	MS	2013		<i>Dynamic reservoir characterization using 4D multicomponent seismic data and rock physics modeling at Delhi field, Louisiana</i>
Casey	Matthew S.	PhD	2009	T6498	<i>Non-parametric geophysical data integration for reducing uncertainties in multiple point reservation modeling and simulation</i>
Castillo	Luis Del	MS	1968	T1173	<i>Magnetic investigation in the vicinity of Derby, Adams County CO</i>
Cataldi	Aldo	MS	1990	T3838	<i>Transient domain electromagnetic (TDEM) investigations in the Miravalles volcanic area (Costa Rica)</i>
Ceron	John F.	MS	1992	T4103	<i>Gravity modeling of the Honey Lake Basin</i>
Chang	Hyunsam	PhD	1991	T4016	<i>Multi-mode crosshole reflection imaging of multi-component physical model data</i>
Chang	Maodon	PhD	1991	T4132	<i>Origin and evolution of the Penghu sedimentary basin, Offshore Taiwan</i>
Chang	Ping Sheng	MS	1986	T3312	<i>Inversion of seismic and gravity data for southern Nevada</i>
Chao	Tsu-Ko	MS	1967	T1162	<i>Source study for two-dimensional modeling</i>
Chao	Tsu-Ko	PhD	1970	T1277	<i>Quantitative analysis of near fields in a half-space</i>
Chen	Deng-Bo	PhD	1982	T2085	<i>Stress effects on some petrophysical properties and fluid pressure generation in sealed reservoir rocks</i>
Cheng	Dongjie	MS	2003	T-5819	<i>Inversion of gravity data for base salt</i>
Chilcoat	Steven R.	MS	1978	T1984	<i>Application of the computer analysis of dispersed waves</i>
Chinaemeran	Kanu	PhD	2014		<i>Time-lapse monitoring of localized changes within heterogeneous media with scattered waves</i>
Chislow	Donald	MS	1982	T2559	<i>Investigation of induction effects in magnetotelluric prospecting caused by ionospheric current sources</i>
Christensen	Asbjorn N.	PhD	1995	T4723	<i>An integrated study of satellite altimeter data and geophysical data in the Gulf of Mexico</i>
Claussen	John P.	MS	1982	T2599	<i>Direct detection of Niobrara gas using seismic techniques; Yuma County, Colorado</i>
Clayton	R. H.	MS	1961	T0902	<i>Interpretation of dip-angle electromagnetic survey by means of model study</i>
Coleman	Camriel A.	MS	2014		<i>Refining magnetic amplitude methodology for use in the presence of remanent magnetization</i>
compton	Leif	MS	2005	T6079	<i>Petrophysical evaluation of vuggy carbonates with emphasis on the use of nuclear magnetic resonance data</i>
Convers Gomez	Carlos E.	MS	2017		<i>Prediction of Reservoir Properties For Geomechanical Analysis Using 3-D Seismic Data and Rock Physics Modeling in The Vaca Muerta Foundation, Neuquen Basin, Argentina</i>
Cooke	Dennis A.	MS	1982	T2459	<i>Generalized linear inversion of reflection seismic data</i>
Cooke	Dennis A.	PhD	1987	T3328	<i>Two-dimensional instantaneous seismic attributes</i>
Coolbaugh	David F.	PhD	1961	T0900	<i>The mechanism of induced polarization and its decay</i>
Copley	Jeffrey H.	MS	1978	T2043	<i>Plane waves in an elastically anisotropic medium</i>
Corbett	John D.	MS	1958	T0873	<i>A geophysical investigation in Richmond Basin and Upper Camp Bird Valley of the San Juan Mountains, Ouray, Colorado</i>
Cordray	Robert R.	MS	1993	T4341	<i>Source mechanism determination of aftershocks of the March 9, 1957 Aleutian Islands Earthquake</i>
Courtier	William H.	MS	1928	T0512	<i>Magnetometric investigation of gold placer deposits on a portion of Clear Creek Basin</i>
Cowart	Vicki	MS	1978	T2021	<i>A Mossbauer spectroscopy study of Clinker magnetism</i>
Crowdson	Robert A.	PhD	1976	T1866	<i>Geophysical studies in the Black Rock Desert geothermal prospect, Nevada</i>
Crisi	Peter	MS	1988	T3582	<i>An expert system to assist in processing vertical seismic profiles</i>
Crompton	James S.	MS	1976	T1842	<i>An active seismic reconnaissance of the Mount Princeton Area, Chaffee County, Colorado</i>
Crous	Christian Mauritz	MS	1971	T1363	<i>Computer-assisted interpretation of electrical soundings</i>
Cunningham	David A.	MS	1988	T3637	<i>Computer and physical VSP modeling of Yucca Mountain, Nevada</i>
Dalke	Roger A.	MS	1983	T2725	<i>A model study: wave propagation in a transversely isotropic medium</i>
Dalke	Roger A.	PhD	1986	T3169	<i>Nonlinear effects on wave propagation in a cylindrical elastic body</i>
Damron	Larry	MS	1986	T3008	<i>Physical modeling of lateral variations of resistivity in transient electromagnetics</i>

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LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Daniels	Jeffrey J.	PhD	1974	T1627	<i>Interpretation of electromagnetic soundings using a layered earth model</i>
Darken	W.H.	MS	1975	T1729	<i>A finite difference model of channel waves in a coal seam</i>
Das	Agnibha	PhD	2010	T6756	<i>The viscoelastic properties of heavy-oil saturated rocks</i>
Davis	Aaron J.	MS	1979	T2194	<i>Sensitivity to noise and limited bandwidth of the recursive algorithm used to invert seismic data</i>
Davis	Brian J.	MS	2013		<i>Erosion-driven uplift and tectonics at Valles Marineris, Mars</i>
Davis	Kristofer	PhD	2010	T6747	<i>Improving potential-field processing and inversion through the use of gradient measurements and data-adaptive models</i>
Davis	Thomas L.	PhD	1974	T1681	<i>Seismic investigation of late cretaceous faulting along the east flank of the central front range, Colorado</i>
de Moraes	Fernando S.	PhD	1996	T4907	<i>The application of marginalization and local distributions to multidimensional Bayesian inverse problems</i>
de Moraes	Roberto A.	PhD	1997	T5021	<i>Constrained inversion of gravity fields for complex three-dimensional structures</i>
de Oliveira	Ruy B. B.	MS	1975	T1718	<i>Exploration for buried channels by shallow seismic refraction and resistivity and determination of elastic properties at Rocky Flats, Jefferson County, Colorado</i>
de Ridder	Eduard	MS	1972	T1488	<i>The relative accuracy of some magnetic depth determination techniques</i>
Denslow	Lathrop VB	MS	1961	T0917	<i>Instrumentation for model studies of the two horizontal planar coil method of electromagnetic exploration</i>
Desai	Dantilal Panachand	MS	1958	T0855	<i>A study of the "departure" recorded on micrologs opposite shale</i>
DeVault	Bryan	PhD	1997	T5076	<i>3-D seismic prestack multicomponent amplitude analysis, Vacuum Field, Lea County, New Mexico</i>
Dewangan	Pawan	PhD	2004	T5957	<i>Processing and inversion of mode-converted waves using the PP+PS-SS method</i>
Dewhurst	Warren T.	PhD	1988	T3365	<i>The simultaneous inversion of vector and total field aeromagnetic data using Bayesian inference: A case study from the Cobb offset of the Juan de Fuca Ridge</i>
Deze	Jean-Francois	MS	1981	T2498	<i>An electromagnetic loop-loop sounding system at low induction numbers</i>
Diaz	Ricardo Navarro	MS	1971	T1387	<i>Variational method in wave propagation problems</i>
Diaz Pantin	Esteban Fernando	MS	2014		<i>Understanding the reverse time migration backscattering: noise or signal?</i>
Diaz Patin	Esteban F.	PhD	2016		<i>Extended Imaging and Tomography Under Two-Way Operations</i>
Dickenson	Omar A.	MS	1996	T4813	<i>Mapping of impediments to contaminant flow using multi-component reflection seismology at the Savannah River Site</i>
Dickinson	Marc	MS	1986	T3263	<i>A search for intrasedimentary aeromagnetic anomalies over a known oil field in the Denver Basin</i>
Diker	Salahi	PhD	1952	T0742	<i>Investigation of stress anomalies associated with intrusive geologic structures</i>
Docherty	Paul	MS	1985	T3062	<i>A fast ray tracing routine for laterally inhomogeneous media</i>
Docherty	Paul	PhD	1987	T3460	<i>Ray theoretical modeling, migration and inversion in two-and-one-half-dimensional layered acoustic media</i>
Domenico	S. Norman	PhD	1951	T0695	<i>Spherical wave motion and dynamic strain measurements</i>
Domoracki	William J.	MS	1986	T3052	<i>Integrated geophysical survey of the Golden thrust north of Golden, Colorado</i>
Donaldson	Paul R.	PhD	1974	T1689	<i>Rock resistivity and geo-engineering parameters</i>
Dong	Chi	MS	1990	T3886	<i>Seismoelectric effect</i>
Dong	Wenjje	MS	1989	T3723	<i>Finite difference ray tracing and common shot inversion</i>
Douma	Huub	PhD	2006	T6105	<i>A hybrid formulation of map migration and wave-equation-based migration using curvelets</i>
Douma	Johannes	MS	2014		<i>Improved temporal and spatial focusing using deconvolution: theoretical, numerical and experimental studies</i>
Duan	Yuting	PhD	2016		<i>Elastic Wavefield Migration and Tomography</i>
Dudley	Colton M.	MS	2015		<i>Integrating horizontal borehole imagery and cluster analysis with microseismic data for Niobrara/Codell Reservoir characterization, Wattenberg Field, Colorado, USA</i>
Duenas	Claudia	MS	2014		<i>Understanding rock quality heterogeneity of Montney Shale Reservoir, Pouce Coupe Field, Alberta, Canada</i>

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Thesis Listings

LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Duke	Steven	MS	1990	T3920	<i>Calibration of ground penetrating radar and calculation of attenuation and dielectric permittivity versus depth</i>
Dumas	Michael	MS	1963	T0963	<i>Electrical resistivity and dielectric constant by frozen rocks</i>
Durrani	Javaid	PhD	1980	T2346	<i>Seismic investigation of the tectonic and stratigraphic history Eastern South Park, Park County, Colorado</i>
Durrenberger	Sally	MS	1986	T3226	<i>An integrated geophysical investigation and comparison of compressional and shear wave seismic reflection data from the San Juan Volcanic area southwestern Colorado</i>
Dwyer	Ruth-Ann	MS	1985	T3159	<i>Seismic reflection investigation of the New Madrid Rift Zone near Caruthersville, Missouri</i>
Ecke	Hans	MS	2005	T6030	<i>Seismic velocity calibration: fluids, pressures and frequencies</i>
Edwards	Debra Leggio	MS	1993	T3811	<i>Removal of time variations from geomagnetic data using optimal Weimer filtering</i>
Eisenmenger	Karl Kenneth	MS	1986	T3245	<i>Seismic stratigraphic study of the lower cretaceous Dakota group, Douglas Creek Arch, Western Colorado (2 copies)</i>
El Khoury	Paul	MS	2014		<i>An estimation of the seismoelectric beamforming imaging technique</i>
Elbaharia	Mohammad	MS	2012	T7010	<i>High temperature characterization of oil shales: the Green River formation</i>
Elkington	Elizabeth A.	MS	1991	T4084	<i>The role of trace attributes in the implementation of neural networks for seismic first arrival evaluation</i>
Elkington	Gary	MS	1993	T4228	<i>Gravity gradient study of the central Honey Lake basin, Lassen County, California</i>
Elliott	Robert L.	MS	1992	T4013	<i>A heterogeneous petrophysical model for porous media</i>
Emanuel	Mark J.	MS	1989	T3735	<i>Common shot, prestack inversion and mode conversion analysis of physical model seismic data</i>
Emmer	Daniel	MS	1990	T3638	<i>A converted P-SV wave analysis of a fractured reservoir, Silo Field, Wyoming</i>
Engelkemeir	Richard	MS	1979	T2175	<i>Multimode theoretical seismograms using automatic ray generation</i>
Engelsma	Christopher	MS	2010	T6796	<i>Interpretation of 3D seismic images using an interactive image-guided paintbrush</i>
Englemark	Folke L.	MS	1990	T2811	<i>Seismic facies analysis of Jurassic entrada sand dunes, Southeastern San Juan Basin, New Mexico</i>
Eppheimer	Jarred	MS	2016		<i>Spatio-Temporal Microseismic Analysis of the Woodford Shale, Canadian County, Oklahoma</i>
Ercan	Ahmet	PhD	1975	T1728	<i>Quasi-analytic convolution solution of electro-magnetic field</i>
Erdemir	Cemal	MS	1992	T3844	<i>Illumination angle determination and its application to prestack migration of P/S converted waves on physical elastic model data</i>
Erdemir	Cemal	PhD	1997	T5015	<i>Interactive polarization filtering and pre-stack imaging of nine-component, multiple-offset VSP data, Yucca Mountain, Nevada</i>
Erich	Andrew D.	MS	1994	T4347	<i>Wadati-Benioff zone structure of the Aleutian Arc as defined by teleseismically recorded seismic travel-times</i>
Erickson	Daniel S.	MS	1978	T2086	<i>Downhole shear wave velocity measurements 3 copies</i>
Erol	Vasfi	MS	1974	T1650	<i>Least-squares estimation of parameters for the interpretation of gravity anomalies caused by two-dimensional structures</i>
Erwin	John W.	MS	1953	T0786	<i>Resistivity methods applied to ground water prospecting on the Big Sandy Creek in parts of Lincoln and Elbert Counties, Colorado</i>
Evans	W.D.	MS	1962	T0946	<i>Paleomagnetism of the table mountain flows near Golden, Colorado</i>
Fagan	Joseph P.	MS	1996	T4571	<i>An integrated interpretation of aeromagnetic data in the Paleozoic of the Nebraska panhandle</i>
Fan	Yuanzhong	PhD	2010	T6758	<i>"Virtual source" methods for diffusive fields: applications of interferometry and synthetic aperture to controlled source electromagnetics (CSEM)</i>
Fassett	Jack W.	MS	1974	T1676	<i>Seismicity near the Chatfield Dam, Denver, Colorado</i>
Fatti	Jan	PhD	1974	T1653	<i>Digital processing of seismic reflection records from South Park, Colorado</i>
Fausset	Neal	MS	1979	T2221	<i>Statistical examination of noise on phase estimation in spiking deconvolution</i>
Fazzari	Francesca	MS	1992	T4249	<i>A dip-dependent divergence correction</i>
Fenwick	Willis H.	MS	1938	T0574	<i>Two neglected factors in the interpretation of magnetic anomalies</i>

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Thesis Listings**

LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Fernandez	Freddy J.	MS	1978	T2054	<i>Gravity survey of the Boulder-Longmont area, Colorado</i>
Fiore	Robert M.	MS	1999	T5295	<i>3D numerical forward modeling of complex resistivity field data</i>
Fish	Ashley M.	MS	2012	T7069	<i>Microseismic velocity inversion and event location using reverse time imaging</i>
Flanagan	Guy	MS	1979	T2168	<i>A magnetic investigation of Mount Hood, Oregon</i>
Fleming	David B.	PhD	1973	T1525	<i>A study of large electric potential gradients associated with geomagnetic storms</i>
Fleury	Clement	PhD	2012		<i>Wave propagation in complex media, scattering theory, and application to seismic imaging</i>
Focken	Charles M.	MS	1935	T0562	<i>The mathematical and physical basis of the Sundberg inductive method of electrical prospecting</i>
Foks	Nathan Leon	PhD	2015		<i>Using Adaptive Sampling and Triangular Meshes For The Processing and Inversion Of Potential Field Data</i>
Forghani-Arani	Farnoush	PhD	2013		<i>Analysis and suppression of passive noise in surface microseismic data</i>
Franco	Gerardo J.	MS	2007	T6273	<i>Seismic anisotropy in tight gas sandstones, Rulison Field, Piceance Basin, Colorado</i>
Frigerio	Julio Oliva	MS	2011	T6940	<i>Time-lapse seismic investigation of CO2 injection at Delhi Field, northeastern Louisiana</i>
Fry	Michael F.	MS	1987	T3418	<i>Ultrasonic crosshole assessment of crystalline rock</i>
Fry	Michael F.	PhD	1996	T4307	<i>Split-platen compression test: development and use</i>
Fuck	Rodrigo Felicio	PhD	2009	T6504	<i>Modeling of seismic signatures for reservoir characterization: applications involving fracture and stress-induced seismic velocity anisotropy</i>
Fueg	Esther M.	MS	1996	T4864	<i>Can surface electromagnetic measurements delineate hydrocarbon alteration or source rock location? An investigation at Sorrento Field, Cheyenne County, southeast Colorado</i>
Fueg	James E.	MS	1995	T4854	<i>Three-dimensional gravity modeling of the Galveston Island Salt Dome in the Gulf of Mexico</i>
Furgerson	Robert B.	MS	1970	T1313	<i>A controlled-source telluric current technique and its application to structural investigations</i>
Gable	Douglas	MS	1986	T3087	<i>Delineating Pierre formation fracture reservoirs using compressional and horizontal shear wave seismic data near Florence, Fremont County, Colorado</i>
Gabriel	Vittaly Gavrilovich	MS	1931	T0525	<i>The use of the graphic methods in the magnetic surveying and the introduction of the diagrams pertaining to the Eotvos torsion balance work</i>
Gaca	J. Robert	MS	1965	T1021	<i>Gravity studies in the San Luis Valley area, Colorado</i>
Galarraga	Miguel	MS	1999	T5283	<i>3-D seismic interpretation in Vacuum Field area, Permian Basin, Lea County, New Mexico</i>
Galikeev	Tagir	PhD	2004	T5923	<i>Application of new seismic attributes to reservoir monitoring</i>
Garcia	Eduardo S.	MS	1973	T1597	<i>DC-resistivity profiling as an aid in the study of facies distribution in residual type iron deposits</i>
Garcia	Gerardo	MS	1991	T4102	<i>Inversion of lateral log using neural networks</i>
Garg	Nek R.	MS	1981	T2467	<i>Synthetic electric sounding surveys over known oil fields</i>
Garg	Nek R.	PhD	1984	T2887	<i>Spatial and temporal analysis of electromagnetic survey data</i>
Gautam	Kumar	MS	2003	T5783	<i>Fluid effects on attenuation and dispersion of elastic waves</i>
Gayer	James L.	MS	2015		<i>Artificial maturation of oil shale: the Irati formation from the Parana Basin, Brazil</i>
Geoltrain	Sebastien R.	MS	1986	T3221	<i>Induction lateral sounding</i>
Geoltrain	Sebastien R.	PhD	1989	T3722	<i>Asymptotic solutions to direct and inverse scattering in anisotropic elastic media</i>
Geyer	Richard G.	PhD	1970	T1307	<i>The effect of subsurface geologic structure in electromagnetic induction prospecting</i>
Gilmore	Larry R.	MS	1992	T4137	<i>Modeling and interpretation of a 3-D seismic survey, South Casper Creek Field, Natrona County, Wyoming</i>
Gipprich	Tamara	MS	2005	T6059	<i>The role of shear and tensile failure in dynamically triggered landslides</i>
Godbey	Will E.	MS	1982	T2577	<i>Detection of fluvial gravel beneath glacial till</i>
Godwin	Jeffrey A.	MS	2011	T6953	<i>Blended source imaging by amplitude encoding</i>

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Thesis Listings**

LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Goedecke	Walter B.	PhD	1999	T5247	<i>Validation of the phase difference technique for inferring magnetospheric resonance frequencies</i>
Gokturk	Erkin	MS	1971	T1389	<i>Geophone array filtering</i>
Gondouin	Michel	PhD	1952	T0757	<i>Analysis of a method of acoustic logging</i>
Gouveia	Wenceslau	PhD	1996	T4926	<i>Bayesian seismic waveform data inversion: parameter estimation and uncertainty analysis</i>
Graebner	Mark	MS	1982	T2558	<i>Energy flux of waves in elastic and viscoelastic media</i>
Graebner	Peter	MS	1967	T1131	<i>Remanent Magnetism in major rock units of the Thirty-Nine Mile Volcanic Field, Central Colorado</i>
Graham	J. C.	ME	1984	T2929	<i>Design of a seafloor electrical sounding system for offshore oil exploration</i>
Grauch	V.J.S.	PhD	1986	T3195	<i>Correcting aeromagnetic data for magnetic terrain effects, with an example from the Lake City Caldera area, Colorado</i>
Graves	John	MS	1979	T2224	<i>A P-SV converted wave reflection seismic prospecting system</i>
Gray	Russell L.	PhD	1968	T1169	<i>Numerical investigation of reflection and transmission of spherical compressional waves</i>
Graziano	Christopher F.	MS	2015		<i>Wavelets and warping PS seismic images</i>
Grazulis	Allie	MS	2016		<i>Analysis of Stress and Geomechanical Properties in The Niobrara Formation of Wattenberg Field, Colorado, USA</i>
Green	Alisa Marie	MS	2003	T5817	<i>Magnetotelluric crustal studies in Kenai, Alaska</i>
Gret	Alexandre A.	PhD	2004	T5906	<i>Time-lapse monitoring with coda wave interferometry</i>
Grupp	Steven R.	MS	1983	T2631	<i>Vibrator source characteristics from downhole measurements</i>
Guderjahn	Charles G.	MS	1982	T2585	<i>Land seismic source study: analysis and comparison of reflection spread measurements</i>
Guilj	Dominique	PhD	1972	T1489	<i>An interactive system for display and processing of seismic data</i>
Guterrez	Jose Jaime Nunez	MS	1979	T2240	<i>Seismic stratigraphy analysis of a tertiary basin, southeast Mexico</i>
Guliyev	Eldar	MS	2007	T6239	<i>Vp/Vs estimation from multicomponent seismic data for improved characterization of a tight sandstone gas reservoir, Rulison Field, Colorado</i>
Guo	Yi	MS	1992	T4194	<i>Feature recognition from potential fields using neural networks</i>
Gurch	Michael L.	MS	1989	T3716	<i>Four-component rotation of 3-D shear wave data, Silo Field, Wyoming</i>
Guu	Cindy Kuei-Ding	MS	1982	T2451	<i>Catalog of Chinese Earthquakes</i>
Guu	Jeng-Yih	PhD	1975	T1770	<i>Studies of seismic guided waves: The continuity of coal seams</i>
Guzman	Susana	MS	2015		<i>Forward modeling and inversion of potential field data using partial differential equations</i>
Haas	Allan K.	MS	2010	T6648	<i>Electrical instabilities of 2-phase flow of water in unconsolidated porous materials</i>
Haas	Allan K.	PhD	2013		<i>External detection and localization of well leaks in aquifer zones</i>
Haberman	Scott A.	MS	1983	T2772	<i>An integrated geophysical case: Study of the cretaceous codell sandstone in the vicinity of Lambert Field, Weld County, Colorado</i>
Hadley	Linda M.	MS	1975	T1713	<i>Seismicity of Colorado: Vicinity of Cabin Creek pumped-storage hydroelectric plant</i>
Hadsell	Frank A.	PhD	1961	T0931	<i>Scattering of an elastic disturbance by a random medium</i>
Hamm	Brianne Douthit	PhD	2011	T6901	<i>Ground penetrating radar field data and computational modeling for studying hibernating wildlife and subsurface antennas</i>
Hamzawi	Anwar	MS	1966	T1040	<i>Gravity survey of the Denver-Golden area, Colorado</i>
Handley	George	MS	1978	T2082	<i>Vibrolokator method of interpreting seismograms from vibrator energy sources</i>
Haney	Matthew M.	PhD	2005	T5960	<i>An investigation of sealing and episodic pulsing of fluids at a minibasin-bounding growth fault from seismic reflection images</i>
Hanson	David R.	MS	1980	T2327	<i>Electromagnetic radiation from rock failure</i>
Harthill	Norman	MS	1967	T1125	<i>The audio-magnetotelluric method of earth resistivity measurements</i>
Harthill	Norman	PhD	1969	T1257	<i>Deep electromagnetic sounding: Geological considerations</i>
Harwell	Jeffrey W.	MS	1987	T3399	<i>Offset-multiplicity seismic analysis Bonny Gas field, Yuma County CO</i>
Hasan	Mohammad Nurul	MS	1988	T3631	<i>A new filtering technique for correcting time variations in magnetic data</i>

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Thesis Listings**

LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Hasanov	Azar	MS	2014		<i>Reservoir transport and poroelastic properties from oscillating pore pressure experiments</i>
Hasbrouck	Wilfred P.	PhD	1964	T0976	<i>A seismic crustal study in eastern Colorado</i>
Hato	Masami	MS	1986	T3283	<i>Optimal deconvolution using Wiener transform for compensation of time variance and non-minimum phase</i> 3 copies
Havens	Jesse	MS	2012		<i>Mechanical properties of the Bakken formation</i>
Hawkins	J.E.	MS	1938	T0575	<i>Some bedrock determinations using seismic refraction and potential gradient ratio methods</i>
Hawkins	James	PhD	1940	T0584	<i>The design of dual coil rationmeter suitable for geophysical investigations</i>
Hayden	Vicki	MS	1984	T2796	<i>Seismic detection of fractured zones within the Bakken Shalle, Antelope Field, Williston Basin, North Dakota</i>
Hedley	Justin P.	MS	1991	T3982	<i>Three-dimensional explicit depth migration via McClellan transformations on hexagonal sampling grids</i>
Heigl	Werner M.	PhD	2011	T6837	<i>On the holder regularity of well logs</i>
Henningesen	Gregory M.	MS	1984	T3026	<i>The application of spatial Fourier analysis on frequency domain horizontal loop electromagnetic measurements</i>
Higgins	Shannon	MS	2006	T6140	<i>Geomechanical modeling as a reservoir characterization tool at Rulison Field, Piceance Basin, Colorado</i>
Hill	David P.	MS	1961	T0925	<i>Gravity survey in the Western Snake River Plain, Idaho</i>
Hilterman	Fred J.	PhD	1970	T1297	<i>Three-dimensional seismic modeling</i>
Hinkle	Amy	MS	2007	T6305	<i>Relating chemical and physical properties of heavy oils</i>
Hofland	Gregg S.	MS	1990	T3707	<i>Multi-mode offset VSP reserve time migration (imaging) of a complex, physical earth model</i>
Hofmann	Ronny	PhD	2006	T6154	<i>Frequency dependent elastic and anelastic properties of clastic rocks</i>
Holden	William F.	MS	1986	T3016	<i>Wave equation datuming and its application to land seismic data</i>
Hollingsworth	J.C.	MS	1952	T0763	<i>A seismic investigation in the Deer Creek area</i>
Holmer	Ralph C.	PhD	1954	T0801	<i>A regional gravity survey of Colorado</i>
Homuth	Emil F.	MS	1968	T1218	<i>Earth strains: Tidal and secular, observed near Bergen Park CO</i>
Hoover	Donald B.	PhD	1966	T1086	<i>A two-dimensional seismic model study of a velocity transition zone</i>
Horino	Frank G.	MS	1951	T0711	<i>Geochemical-spectrographic prospecting at the Malachite mine, Jefferson County, Colorado</i>
Hotovec	Alicia	MS	2009	T6610	<i>Hydrogeologic model of groundwater flow within Mt. St. Helens volcano dtermined from self-potential and time-domain electromagnetic measurements</i>
House	Jason R.	MS	1995	T4728	<i>Haddam Meadows, CT: A case study for the acquisition, processing, and relevance of 3D seismic reflections as applied to near-surface DNAPL migration</i>
House	Nancy Jo	MS	1979	T2203	<i>Modified bipole-dipole survey, Bell Creek oil field</i>
Hu	Shin-Tai	PhD	1993	T3284	<i>Seismic imaging of complex subsurface structure, western flank of Denver Basin</i>
Huffman	Arlie C., III	MS	1992	T4254	<i>Characterization of three-dimensional geological heterogeneities using ground penetrating radar</i>
Hyslop	Ralph C.	MS	1939	T0579	<i>A field method for determining the susceptibility of rocks</i>
Hyun	Byung Koo	PhD	1961	T0933	<i>Seismic energy absorption analysis by relaxation time</i>
Ibrahim	Kamil E.	MS	1982	T2647	<i>A time-domain electromagnetic survey of Cochetopa Hills and Alkali Springs, Saguache County, South-Central Colorado</i>
Ibrahim	Kamil E.	PhD	1985	T3123	<i>Main physical principles of differential transient sounding</i>
Ikard	Scott	PhD	2013		<i>Geoelectric monitoring of seepage in porous media with engineering applications to earthen dams</i>
Ikwaakor	Killian C.	MS	1979	T2142	<i>The use of parameters derived from well logs for correlation, Hunton Group, Western Oklahoma</i>
Ikwaakor	Killian C.	PhD	1980	T2336	<i>Interrelations and integration or rock property measurement with problems</i>
Iroc	Hundartono D.	MS	1981	T2510	<i>Evaluation of Shly Sands Sepinggan field, Indonesia</i>
Irons	Trevor P.	PhD	2013		<i>A flexible automatically adaptive surface nuclear magnetic resonance modelling and inversion framework incorporating complex data and static dephasing dynamics</i>
Ittharat	Lillian R.	MS	2013		<i>9C-3D seismic interpretation of the Bakken formation, Banner field, North Dakota</i>

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LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Ittharat	Stefan	MS	2014		<i>Automatic multicomponent image registration</i>
Ittharat	Detchai	MS	2014		<i>3D radio reflectorston imaging of asteroid interiors</i>
Jackson	Geoffrey	MS	1984	T2992	<i>Seismic-stratigraphic study and analysis of a test line, Patterson field area, San Juan County, Paradox Basin, Utah</i>
Jacobson	Jimmy J.	MS	1964	T1002	<i>The electrical conductivity of olivine at high temperature</i>
Jacobson	Jimmy J.	PhD	1969	T1252	<i>Depp electromagnetic sounding technique</i>
Jalinoos	Farrokh	MS	1984	T2892	<i>Wave propagation from an explosive source</i>
James	Bryan A.	PhD	1986	T3041	<i>Finite difference/polozhii decomposition resistivity modeling</i>
Jameson	Maynard H.	MS	1937	T0568	<i>The effect of dipping strata on potential drop ratio determinations</i>
Janak	Peter M.	MS	1982	T2588	<i>A comparison and analysis of seismic land source energy relationships and radiation patterns</i>
Jansen	Kjetil	MS	2005	T6034	<i>Seismic investigation of wrench faulting and fracturing at Rulison Field, Colorado</i>
Jaramillo	Herman	MS	1993	T4302	<i>Modeling and imaging of computational and physical VSP data</i>
Jaramillo	Herman	PhD	1998	T5118	<i>Seismic data mapping</i>
Jaworski	John J.	MS	1971	T1394	<i>Use of coherence in seismic velocity determination</i>
Johns	David M.	MS	1984	T2917	<i>Tau-P transformation in the time domain</i>
Johnson	Frank Melvin S.	PhD	1937	T0572	<i>The application of the electric resistivity method of geophysical exploration to indicate the structural value of concrete</i>
Johnson	Gregory R.	MS	1986	T3258	<i>Frequency response of a geophone clamped to a borehole</i>
Johnson	Robert A.	MS	1956	T0828	<i>The design and characteristics of electrokinetic transducers</i>
Johnson	James R.	MS	2017		<i>Applications of Geostatistical Seismic Inversion to The Vaca Muerta, Neuquen Basin, Argentina</i>
Johnston	Merrick H.	MS	2009	T6519	<i>Temperature and frequency dependence of viscoelasticity in bitumen</i>
Johnston	Phillip F.	MS	1979	T2198	<i>Surface tilts from a massive hydrofracture and from groundwater transients</i>
Jonas	J. Thomas	MS	1975	T1778	<i>Digital data processing techniques applied to the natural gamma-ray log</i>
Jones	Daniel P.	MS	1997	T5042	<i>Investigation of clay-organic reactions using complex resistivity</i>
Jordan	John M.	MS	1974	T1478	<i>Geothermal investigations in the San Luis Valley, south-central Colorado</i>
Jorden	Thomas P.	MS	1987	T3381	<i>Transformation to zero offset</i>
Josten	Nicholas	MS	1985	T3109	<i>Precision gravity survey over a portion of the Bromley Oil Field, Denver Basin, Colorado</i>
Jung	Yunmoon	PhD	1991	T3862	<i>Mapping fracture zones in salt using high-resolution seismic tomography</i>
Kaczkowski	Peter	MS	1986	T3347	<i>Damped least squares inversion applied to ducted propagation of acoustic energy in the ocean</i>
Kalwihura	Stephen J.	MS	1978	T2081	<i>Prediction of petroleum sulphur from well-log parameters, Prinou field, Greece</i>
Kamath	Nishant	PhD	2016		<i>Full-Waveform Inversion In 2D VTI Media</i>
Kao	Jason ChinSen	PhD	1988	T3488	<i>Automated interpolation of two-dimensional seismic profiles into three-dimensional data volumes</i>
Karabulut	Hayrullah	MS	1992	T4134	<i>Earthquake source mechanism determination from regional waveforms</i>
Karasozen	Ezgi	MS	2013		<i>The formation mechanism of South Tharsis Ridge Belt, Mars</i>
Karazincir	M. Hakan	MS	1992	T3981	<i>Multi-mode seismic cross-borehole imaging of a producing horizon using physical elastic modeling</i>
Karazincir	M. Hakan	PhD	1995	T4680	<i>Three-component high resolution cross-borehole seismic imaging: A field study at the Edgar Mine, Idaho Springs, Colorado</i>
Kass	Mason Andrew	PhD	2012	T7003	<i>Quantitative analysis and interpretation of multichannel electromagnetic data through principal component analysis and regularized inversion</i>
Katahira	Yo	MS	1982	T2609	<i>Comparison of frequency domain migration approaches with regard to vertical velocity variations</i>
Kattoum	Yaser	MS	2012		<i>Evidence of ring-faults in Orientale from gravity</i>
Keenan	James	MS	2015		<i>Stress prediction, fracture detection, and multiple attribute analysis of seismic attributes in a Barnett shale gas reservoir, Fort Worth basin, Texas</i>

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LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Keighley	Donald J.	MS	2006	T6147	<i>P-wave time-lapse seismic data interpretation at Rulison Field, Piceance Basin, Colorado</i>
Keller	J. David	MS	1987	T3392	<i>Acoustic wave propagation in composite, fluid saturated media</i>
Keller	Susan Diane	MS	1985	T3085	<i>The use of three-component measurements in time domain electromagnetic sounding</i>
Kendall	Robert R.	MS	1992	T4188	<i>Analysis of a multicomponent seismic test spread: South Casper Creek Field, Natrona County, Wyoming</i>
Kerns	Clyde W.	MS	1964	T0915	<i>The velocity of elastic waves in sand</i>
Ketyunggoenwong	Boonsom	MS	1992	T4087	<i>Seismic Interpretation of 3-D converted wave data, Silo field, WY</i>
Kidney	Robert L.	MS	1982	T2516	<i>Seismic reflection study of depositional patterns of Newcastle formation, Newcastle, Wyoming area, Eastern Powder River Basin</i>
Kilduff	Edward	MS	1984	T2946	<i>VSP inversion and initial investigation</i>
Kim	Jin-Hoo	PhD	1986	T3265	<i>Forward modeling and inversion of responses for borehole normal and lateral electrode arrangements</i>
Kim	Jungwhan	PhD	1991	T4115	<i>Forward modeling and inversion of responses for the Laterolog 7</i>
Kim	Kun Deuk	MS	1983	T2845	<i>Frequency and time domain responses of a rectangular thin plate</i>
Kim	Kun Deuk	PhD	1984	T2987	<i>Analytic continuation of electromagnetic fields</i>
King	Catherine A.	MS	1971	T1427	<i>Time-domain electromagnetic coupling</i>
Kirkendall	Barry A.	MS	1998	T5091	<i>A rapid limited 3-dimensional near field modeling program for ground penetrating radar</i>
Kirkendall	Barry	PhD	2007	T6301	<i>Nonlinear model appraisal in gravity gradiometry imaging; properties and modeling of the resolution matrix</i>
Kirkpatrick	Jon R.	PhD	1990	T3603	<i>Influence of tectonics and sea-level change on sedimentation of the Jurassic Springhill and Tobifera formations, Central Tierra del Fuego, Chile: an integrated study</i>
Klima	James S.	MS	1990	T3954	<i>Simultaneous forward modeling of surface and borehole gravity data from Yucca Flat, Nevada</i>
Knaak	Allison	PhD	2015		<i>3D synthetic aperture for controlled-source electromagnetics</i>
Kohlhaas	Charles A.	PhD	1972	T1473	<i>Calculation of formation compression from core and well-test data</i>
Kohnke	Colton J.	MS	2016		<i>Electromagnetic Effects of Steel-Cased Wells</i>
Kowalski	Michael A.	MS	1969	T1261	<i>Analysis of deep electromagnetic sounding system</i>
Krahenbuhl	Richard A.	PhD	2005	T6019	<i>Binary inversion of gravity data for salt imaging</i>
Kramer	Darrell L.	MS	1984	T2831	<i>TDEM-Seismic correlation</i>
Kramer	Darrell L.	PhD	1991	T3939	<i>Multicomponent vertical seismic profiles, for reservoir characterization South Casper Creek Field, Natrona County, Wyoming</i>
Kreepasertkul	Kritti	MS	2014		<i>Joint inversion of 9C 3D seismic data for reservoir characterization in the Bakken Formation, Banner field, Mountrail County, North Dakota</i>
Krueger	Paul G.	MS	1986	T3252	<i>Seismic-stratigraphy study of the Red Fork sandstone in Kay County, Oklahoma (2 copies)</i>
Kruse	Curtis	MS	1988	T3854	<i>A new method of nonlinear signal correlation using the instantaneous spectrum</i>
Krygowski	Daniel	MS	1974	T1655	<i>A general expression for body wave acoustic velocities in terms of bulk density, molecular weight, and melting temperature</i>
Krygowski	Daniel	PhD	1978	T1958	<i>The use of well logs to predict water saturation and recoverable hydrocarbon volumes in shaly sand reservoirs</i>
Ku	Kong-Gyiu	MS	1936	T0566	<i>Two new planimetric methods for torsion balance terrain corrections</i>
Kumamoto	Lawrence H.	MS	1973	T1457	<i>Redundant strain observations in southern Nevada: Strain steps from the Handley nuclear test and secular strains</i>
Kumamoto	Lawrence H.	PhD	1976	T1827	<i>Microearthquake surveys of the Snake River plain and northwest basin and range geothermal areas</i>
Kuo	Shih-Yeng	PhD	1985	T3038	<i>Long wavelength static analysis using first breaks and generalized linear inversion (2 copies)</i>
Kusuma	Mahendra	MS	2005	T6077	<i>Analysis of time-lapse P-wave seismic data from Rulison Field, Colorado</i>
Kutrubes	Doria Lee	MS	1986	T3212	<i>Dielectric permittivity measurements of soils saturated with hazardous fluids</i>
Kwon	Bong Sung	PhD	1975	T1717	<i>A mathematical pore structure model and pore structure interrelationships</i>

**CSM Department of Geophysics
Thesis Listings**

LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Kwon	Myoung Jae	MS	2013		<i>Two unconventional approaches to electromagnetic inversion: hierarchical Bayesian inversion and inverse scattering series</i>
LaBarre	Elizabeth Ann	MS	2008	T6477	<i>Reservoir prediction from multicomponent seismic data, Rulison Field, Piceance Basin, Colorado</i>
LaFehr	Thomas R.	MS	1962	T0945	<i>The eastern Snake River Plain, Idaho: A gravity survey and interpretation</i>
Lane	Franklin D.	MS	1983	T2832	<i>An initial investigation into seismic wave propagation through a fractured medium</i>
Lane	Franklin D.	PhD	1992	T4133	<i>Estimation of kinematic rupture parameters from historical seismograms: An application of simulated annealing to a nonlinear optimization problem</i>
Langenwalter	R. J.	MS	1984	T2477	<i>The interpretation of shaly sandstones using RXO/RT versus SP techniques</i>
Larson	Daniel M.	MS	1987	T3375	<i>Seismic detection of voids in coal seams</i>
Lebel	Andre	MS	1971	T1393	<i>An electronic analyzer of audio-magnetotelluric signals</i>
Lee	C.Y.	MS	1973	T1610	<i>The dipping layer problem in resistivity</i>
Lee	Chong Yan	PhD	1977	T1950	<i>Behavior of electric potential fields over randomly layered earth models</i>
Lee	Doo-Sung	PhD	1979	T2253	<i>The influence of the surrounding medium in electromagnetic prospecting for an elongated conductor</i> 2 copies
Lee	Jeongmin	MS	2006	T6144	<i>Effects of low-pass filtering on inversion of airborne gravity gradient data</i>
Lee	Jess D.	ME	1980	T2345	<i>Geophysical investigation of a gravel aquifer along Beaver Creek, Park County, Colorado</i>
Lee	Matthew John	MS	2014		<i>Source mechanism characterization and integrated interpretation of microseismic data monitoring two hydraulic stimulations in Pouce coupe field, Alberta</i>
Lee	Myung Wong	PhD	1974	T1661	<i>Topographic effect on earth strain measurement</i>
Lee	Shu-Schung	PhD	1982	T2542	<i>Generalized ray analysis and its application to leaky modes and guide waves</i>
Lee	Tai Sup	PhD	1983	T2807	<i>Theoretical investigation of smart seismic arrays</i>
Lee	Yuan-Chen	PhD	1984	T2866	<i>Analysis of sign-bit recording for synthetic vibrator data</i>
Leighton-Purga	Tomas	MS	1969	T1076	<i>Seismic survey of northeastern South Park, Park County, Colorado</i>
Leitinger	J. Hans	PhD	1969	T1243	<i>Investigation of displacement steps in a layered half-space by the finite-difference method</i>
Leslie	William	PhD	1990	T3544	<i>Characterization of moat sediments in the Creede Caldera Mineral County, Colorado</i>
Lessenger	Margaret A.	MS	1988	T3547	<i>An expert system to evaluate geologic risk for onshore domestic petroleum exploration</i>
Levings	William S.	MS	1932	T0533	<i>A magnet survey of the Ralston Dike, Jefferson County Colorado</i>
Lewis	Catherine	PhD	1989	T3700	<i>Three-dimensional multicomponent imaging of reservoir heterogeneity Silo Field, Wyoming</i>
Li	Yuesheng	MS	1987	T3450	<i>Airgun signature estimation and wavelet processing of marine seismic data</i>
Lin	Hung-Lian	PhD	1981	T2352	<i>Analog modeling study of inverse scattering</i> 2 copies
Lin	Kuo-An	ME	1978	T2096	<i>Hilbert transform and seismic wavelet processing</i>
Liner	Christopher L.	PhD	1989	T3724	<i>Mapping reflection seismic data to zero offset</i>
List	David F.	MS	1995	T4338	<i>Tensleep sandstone heterogeneity and effect on fluid flow, South Casper Creek Field, Natrona County, Wyoming</i>
Lobato	Fabiano Sayao	PhD	1965	T1029	<i>An interpretation method of seismic reflections from common-strike plane interfaces</i>
Lopez	Crucelis	MS	2010	T-6650	<i>Integrated Permeability Modeling of the Morrow A Sandstone Hovey Morrow Unit Postel Field, Texas County, Oklahoma</i>
Lorenzen	Robert J.L.	PhD	2000	T-5396	<i>Inversion of multicomponent time-lapse seismic data for reservoir characterization of Vacuum Field, New Mexico</i>
Loring	Ralph C.	MS	1939	T0576	<i>Design and calibration of an astatic susceptibility meter</i>
Lu	Cheng-Yuan	MS	1984	T2889	<i>Deconvolution study of P-wave land seismic source signature from a downhole array</i>
Lu	Ming-Tar	PhD	1988	T3405	<i>Offset amplitude analysis of compressional seismic data for fractured reservoir exploration Silo field, Wyoming</i>

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Thesis Listings**

LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Lubis	Muhammad Husni Mubarak	MS	2013		<i>Time-lapse 3D VSP monitoring of a CO2 injection project at Delhi Field, Louisiana</i>
Lui	Yongxia	MS	2010	T6698	<i>Gaussian-beam modeling in heterogeneous anisotropic media</i>
Luo	Simon	PhD	2014		<i>Improved methods of reflection seismic data processing for velocity estimation, imaging, and interpretation</i>
Luzietti	Eugene A.	MS	1990	T3884	<i>An investigation of seismic wavelet instability associated with near-surface geologic variations in the Powder River Basin</i>
Lyrio	Julio Cesar Soares de Oliveira	PhD	2009	T6617	<i>Processing and inversion of full tensor gravity gradiometry data</i>
Ma	Xiaochun	MS	1987	T3449	<i>Shaley sand analysis using neutron and density logs</i>
Ma	Yong	MS	2010	T6731	<i>Full waveform inversion with image-guided gradient</i>
Ma	Yong	PhD	2012		<i>Waveform-based velocity estimation from reflection seismic data</i>
Mabrey	Alexandria N.	MS	2016		<i>Rock Quality Index For Niobrara Horizontal Well Drilling and Completion Optimization, Wattenberg Field, Colorado</i>
MacFarlane	Tyler L.	MS	2014		<i>Amplitude inversion of fast and slow converted waves for fracture characterization of the Montney Formation in Pouce Coupe field, Alberta, Canada</i>
MacKay	Scott W.	MS	1979	T2184	<i>Seismic survey designed by magnetic detection of the lovejoy basalt in the northern Sacramento Valley, California</i>
MacLennan	Kristopher	PhD	2013		<i>Methods for addressing noise and error in controlled source electromagnetic data</i>
Magnusson	Stefan G.	MS	1985	T3165	<i>The application of electrical and refraction seismic methods to the detection of abandoned lignite mine workings in east Texas</i>
Malaver	Cristian H.	MS	2004	T5877	<i>Statistical applications to quantitative seismic reservoir characterization and monitoring at West Pearl Queen Field, Lea County, New Mexico</i>
Malcolm	Alison E.	PhD	2005	T5987	<i>Data continuation for data regularization and internal multiples</i>
Maldonado	Alejandra C.	MS	2011	T6922	<i>Elastic and mechanical properties of the Niobrara formation with application to hydraulic fracture design</i>
Mamah	Luki I.	MS	1979	T2222	<i>The influence of finiteness of source on time domain electromagnetic soundings</i>
Mamah	Luki I.	PhD	1981	T2508	<i>The field of the vertical magnetic dipole at the bottom of the ocean</i>
Manfredini	Antonio	MS	1941	T0591	<i>Tank experiments on a model ore body of the vein type with the potential drop ratio method</i>
Manhart	Thomas A.	MS	1932	T0532	<i>Model tank experiments and methods for interpretation of resistivity curves</i>
Marhoefer	Julianne	MS	1988	T3575	<i>Seismic prestack analysis of a mission canyon reservoir, Wiley field, Bottineau County, North Dakota</i>
Markey	Craig	MS	2015		<i>Geophysical properties of carbon monoxide when used as an enhanced oil recovery agent</i>
Markiewicz	Richard	MS	1989	T3164	<i>A seismic refraction on-site interpretation method</i>
Marr	John Douglas	PhD	1932	T0537	<i>Characteristics of seismic reflections</i>
Marshall	David B.	MS	1975	T1792	<i>Geophysical interpretation of development of tertiary structure in the Gulf of Panama Basin</i>
Martin	Kathryn	MS	2013		<i>Detecting the presence of two hydrogen bearing fluids through the T2 distribution under circumstances similar to those found in near surface NMR</i>
Martin	Marshall	PhD	1987	T3339	<i>Three-component seismic investigation of a fractured reservoir, Silo Field, Wyoming</i>
Martin	Richard A., Jr.	MS	1982	T2560	<i>Contemporary seismicity and tectonics of the south flank of the Uinta Mountains, Utah</i>
Martinez	Cercia D.	PhD	2015		<i>Quantitative interpretation of airborne gravity gradiometry data for mineral exploration</i>
Martinez	Fernando	MS	2011	T6920	<i>Characterization of heavy oil sands from complex conductivity and seismic frequency velocity measurements</i>
Martinez	Jaime Ramos	MS	1971	T1384	<i>Design and application of recursive digital filters</i>
Martinez	Ruben D.	MS	1979	T2258	<i>Traveltime inversion for the estimation of lateral velocity variation</i>
Martins	Luiz M. R.	MS	2013		<i>From OBC seismic to porosity volume: a pre-stack analysis of a turbidite reservoir, Deepwater Campos Basin, Brazil</i>
Masse	Lucien	MS	1938	T0573	<i>Investigation concerning the suitability of an induction varimeter as a portable magnetometer</i>

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Thesis Listings**

LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Masse	Lucien	PhD	1940	T0580	<i>Theoretical studies in the magnetic field of some inductive systems</i>
Mateeva	Albena Alexandrova	PhD	2003	T5769	<i>Thin horizontal layering as a stratigraphic filter in absorption estimation and seismic deconvolution</i>
Mathews	Mark A.	MS	1970	T1315	<i>Electromagnetic sounding on the ocean floor</i>
Mathews	Mark A.	PhD	1973	T1515	<i>The feasibility of electromagnetic sounding on the ocean floor in deep ocean water</i>
Mathewson	John	MS	2008	T6475	<i>Detection of channels in seismic images using the steerable pyramid</i>
Mattocks	Bruce W.	PhD	1998	T5117	<i>Borehole geophysical investigation of seismic anisotropy at Vacuum Field, Lea County, New Mexico</i>
Maung	Tun U.	MS	1960	T0899	<i>Polarization with variation of water saturation in core samples</i>
Mazumdar	Prajnajyoti	PhD	2010	T6646	<i>Shear-wave sourced 3-D VSP imaging of tight-gas sandstones in Rulison Field, Colorado</i>
McCafferty	Anne E.	MS	1995	T4651	<i>Assessing the presence of a buried meteor impact crater using geophysical data, South-Center Idaho</i>
McEntee	Robert A.	MS	1987	T3433	<i>The accurate modeling and removal of regional sources of the gravitational field</i>
McGlone	David	PhD	1996	T4707	<i>The application of thin-film magneto-resistive structures to a non-inductive receiver for electromagnetic geophysical exploration</i>
McNett	James L.	MS	1967	T1094	<i>Digital filter design by minimizing the weighted square error in the frequency domain</i>
McParland	Brian J.	MS	1975	T1698	<i>The interpretation of a gravity anomaly in the Canadian arctic</i>
McWhirter	Leslie	MS	2011	T6948	<i>A geospatial strategy for mapping VS30: Combining observations with topographic and geologic constraints</i>
Mdala	Chisengu L.	PhD	1980	T2229	<i>Magnetotelluric investigation in the San Luis Valley Colorado</i>
Mehta	Kurang	PhD	2007	T6300	<i>The virtual source method implementation issues, improvement using wavefield separation and application to time-lapse monitoring</i>
Meinardus	Hans Arnt	PhD	1967	T1133	<i>The Kernel function in direct-current resistivity sounding</i>
Meis	Philip J.	MS	1986	T3295	<i>Aeromagnetic compensation</i>
Melvin	Colin	MS	2010	T6734	<i>The influence of p-wave multiple attenuation characterization of the Morrow A sandstone reservoir at Postle field, Texas County, Oklahoma</i>
Mendez Hernandez	Efrain	ME	1999	T5344	<i>Influence of shallow heterogeneities on multicomponent 4D seismic data at Vacuum Field, New Mexico</i>
Mendoza	Carlos	PhD	1985	T2900	<i>Study of aftershock source properties using digital surface-wave data: The December 1979 Colombia earthquake</i>
Menlikli	Cem T.	MS	1997	T5024	<i>A tectono-stratigraphic and reservoir study about the Hamitabat Field, Thrace Basin, Northwest Turkey</i>
Merkel	David C.	MS	1986	T3179	<i>The development and ground testing of the U.S. Geological Survey airborne sixty-hertz reconnaissance system</i>
Meza	Ramses G.	MS	2008	T6406	<i>Time-lapse Vp-Vs analysis for reservoir characterization, Rulison Field, Colorado</i>
Michel	Oscar Jarillo	MS	2015		<i>Estimation of microseismic source parameters by anisotropic waveform inversion</i>
Mielke	Brian E.	MS	1994	T4692	<i>TEM Data Transformation and Recognition</i>
Mikulich	Weston M.	MS	1990	T3895	<i>Steep-dip V(Z) imaging from an ensemble of stolt-like migrations</i>
Miles	Deborah	ME	1978	T1844	<i>A gravity survey in the Haulage Tunnel of the Henderson Mine near Berthoud Pass, Colorado</i>
Miles	Thomas O.	MS	1985	T3069	<i>Physical model studies of the Turan time domain electromagnetic method in minerals exploration</i>
Miller	Carter H.	MS	1979	T2179	<i>Seismic, magnetic and geotechnical properties of a land slide and clinker deposits, Powder River Basin, Wyoming and Montana</i>
Miller	John	MS	1979	T2127	<i>Velocity smoothing program package: An aid to reflection seismic interpretation and data enhancement processing techniques</i>
Milligan	Steven	MS	1983	T2742	<i>A seismic study of the lower cretaceous muddy sandstone southeast Big Horn Basin, Wyoming</i>
Min	Xinhui	MS	2012		<i>Spectral decomposition applied to multicomponent seismic interpretation at Postle Field, Texas County, Oklahoma</i>
Mingelli	Claudio	MS	1990	T3899	<i>Nevada: The electrical surface</i>
Mitera	Zygmunt	PhD	1933	T0547	<i>A theoretical and experimental examination of the potential drop ratio method</i>
Modroo	Justin	MS	2004	T5951	<i>Ground penetrating radar location of buried avalanche victims</i>

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Thesis Listings**

LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Moita	Carlos		2001	T5558	<i>Formation invasion from a horizontal borehole: a two-phase flow experiment monitored with ground penetrating radar and modeled with eclipse numerical simulator</i>
Molinero	Gary T.	MS	1992	T4242	<i>Application of multicomponent VSP's to reservoir characterization at Cedar Hill Coal Bed Methane Field, San Juan County, NM</i>
Money	Nancy	MS	1977	T1849	<i>A seismic investigation of the north Golden area, Jefferson County, Colorado</i>
Morgan	Robert R.	MS	1969	T1195	<i>Methods of determining electric and magnetic fields of a dipole source across a fault</i>
Morris	Drew	MS	1975	T1699	<i>Quadrupole mapping near the Fly Ranch geothermal prospect northwest Nevada</i>
Morrison	Sanlav S.	MS	1952	T0735	<i>Gravity survey of the Ralston Dike, Jefferson County, Colorado 2 copies</i>
Motamedi	Taraneh	MS	2015		<i>Time-lapse characterization of the Niobrara reservoir from multicomponent seismic data, Wattenberg field, Colorado</i>
Mueller	Tanya L.	MS	1987	T3370	<i>A seismic-stratigraphic analysis of Starkey and Winters Gas Reservoirs, using amplitude-offset studies from the cross-roads field, Sacramento Valley, California</i>
Munoz	Andrew	MS	2014		<i>Automatic simultaneous multiple-well ties</i>
Munson	Robert C.	MS	1968	T1163	<i>An investigation of the seismicity in the vicinity of Rangely CO</i>
Murray	John C.	PhD	1974	T1656	<i>The geothermal system at Kilauea volcano, Hawaii</i>
Murray	Paul E.	MS	1999	T5214	<i>Acquisition, processing and analysis of shear-wave reflection data at North Star Preserve, Pitkin County, Colorado</i>
Musgrave	Albert W.	PhD	1952	T0738	<i>Wavefront charts and construction of Raypath Plotter</i>
Mustafayev	Ibrahim G.	MS	2010	T6773	<i>Lithology and fluid discrimination using p-wave AVO-based attributes, Delhi field, Louisiana</i>
Nakata	Norimitsu	PhD	2013		<i>Seismic interferometry for temporal monitoring</i>
Naylor	Monte L.	MS	1997	T4968	<i>How seismic processing decisions influence the interpretation of the D sandstone at Sooner field, Weld County, Colorado</i>
Negi	Balwant	MS	1948	T0636	<i>A saturation core magnetometer</i>
Nelson	Kenneth J.	MS	1978	T1990	<i>A reflection seismic investigation of the Golden quadrangle area, Jefferson County, Colorado</i>
Neuman	Denise I.	MS	1994	T4524	<i>The modification of DC resistivity arrays for the use of monitoring brine inflow in underground excavations as applied at the Waste Isolation Pilot Plant, Southeastern New Mexico</i>
Newton IV	Conrad M.	MS	2012	T7051	<i>Estimating intrinsic attenuation from seismic interferometry and time reversal</i>
Nichols	Terry L.	PhD	1995	T4339	<i>Inversion of impulse response data on a free surface with application to drill vibration problems</i>
Nicoletis	Serge	MS	1981	T2550	<i>A comparative study of induced-polarization and electromagnetic effects for a grounded electric dipole on a half space</i>
Northup	David R.	MS	1984	T2865	<i>An evaluation of seismic reflection methods as applied to uranium exploration</i>
O'Brien	Sean J.	MS	2012	T7084	<i>Shear wave splitting seismic analysis to monitor caprock integrity at Delhi field, LA and its applications for carbon sequestration</i>
O'Connell	Sue C.	MS	1979	T2192	<i>A Mossbauer and magnetic study of a coal burn</i>
Oden	Charles P.	PhD	2006	T6101	<i>Calibration and data processing techniques for ground penetrating radar systems with applications in dispersive ground</i>
O'Donnell	Daniel J.	MS	1979	T2291	<i>Case history of a 3-D seismic survey over a producing salt dome offshore Louisiana</i>
Oduolowu	Olusegun A.	MS	1971	T1390	<i>Recoverable hydrocarbon estimates from well logs and early production histories</i>
Ofrey	Ofiate	MS	1975	T1749	<i>Use of radial and vertical magnetic field components in time-domain electromagnetic sounding</i>
Ohya	Takashi	PhD	1974	T1638	<i>Electromagnetic field of a buried electric dipole in an anisotropic medium</i>
Olm	Mark C.	MS	1981	T2434	<i>Electromagnetic scale mode study of the dual frequency differencing technique</i>
Olofin	D. Kolade	MS	1979	T2164	<i>Groundwater prospecting in the Sulphur Mountain area, South Park, Colorado, using electrical resistivity and seismic refraction methods</i>

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LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Olson	William R.	MS	1977	T1853	<i>Seismic investigations of the round butte area, north-central CO</i>
Omari	Sid'Ali Nadir	MS	1976	T1823	<i>Integrated geophysical study of the Central Algerian Sahara</i>
Opland	Homer N.	MS	1949	T0648	<i>The design of a long period horizontal station seismometer employing a resistance bridge transducer</i>
O'Rourke	T.J.	MS	1986	T3198	<i>Shear and compressional analysis of VSP in Silo field, Denver Julesburg Basin</i>
Oshetski	Kim C.	MS	1999	T5311	<i>Complex resistivity to evaluate the blooxidation of gold ore</i>
Ozcandarli	Tevfik Demir	MS	1969	T1255	<i>The use of entire apparent resistivity curves for interpretation of normal resistivity logs</i>
Pacheco	Carlos	MS	2004	T5848	<i>Time-lapse monitoring with multiply scattered waves</i>
Palaz	Ibrahim	MS	1985	T2893	<i>Investigation of capillary pressure characteristics of unconsolidated sands by resistivity measurements</i>
Palen-Murphy	Mary E.	MS	1995	T4710	<i>Maintaining relative amplitude in vertical stacking of vibroseis data</i>
Pan	Pho-Hsi	MS	1963	T0978	<i>The 1962 earthquakes and microearthquakes near Derby, Colorado</i>
Pananont	Passakorn	MS	1997	T5039	<i>3-D seismic interpretation of a new structural style in Satun Field, The Gulf of Thailand</i>
Papakonstantinou	Ekaterini (Katerina)	MS	1998	T4543	<i>Seismic imaging using 2-D prestack depth migration at Badger Basin Field, Park County, Wyoming</i>
Papazian	Peter B.	MS	1979	T2205	<i>Topographic modeling of resistivity surveys using the Schwartz-Christoffel Transformation</i>
Parker	Damon T.	MS	1977	T5032	<i>Velocity dispersion in samples with single-phase pore fluids: ultrasonic to seismic frequency ranges</i>
Parra	Jorge	MS	1972	T1479	<i>A least-squares fitting method for the interpretation of magnetic anomalies caused by two-dimensional structures</i>
Parra	Jorge	PhD	1974	T1711	<i>Electromagnetic scattering from conductors in a conductive half-space near a grounded cable of finite length</i>
Parrott	Kenneth	MS	1980	T2338	<i>An investigation of the interior of a salt structure using the vertical seismic profiling technique</i>
Paskvich	Stephen W.	MS	2016		<i>Phase-Shift Measurement Analyses of Time-Lapse Multicomponent Seismic Data Over A Multi-Well Hydraulic Stimulation, Wattenberg Field, Denver Basin</i>
Passalacqua	Hermínio	PhD	1980	T2390	<i>Electromagnetic fields due to a thin resistive layer</i>
Paterson	Raymond G.	MS	1937	T0571	<i>On the determination of magnetic susceptibility of rocks in situ</i>
Paul	S. Kumar	MS	1956	T0820	<i>Gravity survey of the South Boulder area, Boulder County, Colorado</i>
Pawlowski	Robert S., Jr.	MS	1987	T3457	<i>Gravity anomaly separation by Wiener filtering</i>
Peacock	Jared	MS	2004	T6367	<i>Millimeter wave dielectric permittivity of water at 25 degrees C</i>
Pedrassi	Mauricio	MS	2015		<i>Application of waveform tomography at Campos Basin field, Brazil</i>
Peinado	Adrian	MS	1992	T4143	<i>Porosity estimation from inversion of compressional seismic data, South Casper Creek Field, Natrona County, Wyoming</i>
Pelissier	Michael A.	MS	1979	T2199	<i>SH Channel waves. Parameter sensitivity and linear inversion for a deep coal seam</i>
Penas	Carlos	MS	1985	T3174	<i>AI determination of seismic field parameters</i>
Pendrigh	Nicole M.	MS	2005	T6025	<i>Facies control on CO2 flooding of a thin carbonate reservoir, Weyburn Field, Saskatchewan</i>
Perez	Omar	MS	1978	T1781	<i>Spectral analysis of accelerograms recorded during Nicaraguan earthquakes</i>
Perez-Ray	Joaquin	MS	1979	T2159	<i>A gravity study of the southern Morichael-Jobo area Monagas State, Venezuela</i>
Perrone	Francesco	PhD	2013		<i>Wavefield tomography using image-warping</i>
Persyn	Suzanne M.	MS	1989	T3732	<i>Seismic detection of Dakota-D valley-fill sandstones using shear- and compressional-wave seismic data, Busy Bee Field, Adams County, Colorado</i>
Peterson	Steven D.	MS	1979	T2003	<i>Model analysis of seismic guided waves in coal seams</i>
Pfeifer	Mary	MS	1987	T3372	<i>Multicomponent underground DC resistivity study at the Waste Isolation Pilot Plant, Southeast New Mexico</i>
Pfeifer	Mary	PhD	1990	T3858	<i>An alternate approach to EM forward solutions by replacement of a body with a source distribution</i>
Phillips	Debra Hays	MS	1985	T3077	<i>A geophysical investigation of the southeastern San Juan Mountains, Colorado</i>

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Thesis Listings**

LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Pickett	George	PhD	1955	T0809	<i>Theories of seismic wave propagation and pressure measurements in the vicinity of an explosion</i> 2 copies
Pinto	Raphael	MS	2011	T6831	<i>Multicomponent seismic reservoir characterization of the Morrow A sandstone, Postle Field, Texas County, Oklahoma</i>
Pires	Augusto C.B.	PhD	1975	T1746	<i>Resistor network modelling in electric dipole mapping</i>
Pirson	S. J.	PhD	1931	T0527	<i>Study on adjustable wave-filter suitable for the research of reflected seismic waves</i>
Pitcher	Travis M.	MS	2015		<i>Joint geophysical and geomechanical analysis of in-situ stress, Wattenberg Field, Colorado, USA</i>
Plikk	Martin	MS	1981	T2408	<i>Resolution of geophysical surveys for shallow work</i>
Plybon	Steven C.	MS	1983	T2781	<i>Seismic-stratigraphic investigation of the D sandstone at Masters Field, Weld County, Colorado</i>
Porter	Christopher	MS	1968	T1212	<i>Statistical method for the determination of water saturations from well logs</i>
Powers	Michael H.	MS	1986	T3095	<i>A microcomputer tomographic inversion of acoustic crosshole data</i>
Powers	Michael H.	PhD	1995	T4820	<i>Dispersive ground penetrating radar modeling in 2D</i>
Presgrave	Bruce W.	MS	1979	T1790	<i>The seismicity of Colorado: An estimate of seismic hazard derived from instrumental data</i>
Pritchard	James I.	MS	1964	T0997	<i>Spectral analysis of twenty-four time intervals of micropulsation observed at station in mid-latitudes</i> 2 copies
Pritchard	James I.	PhD	1971	T1364	<i>Theory of electromagnetic soundings in the frequency domain</i>
Promma	Kitchakarn	MS	1995	T4435	<i>Effects of natural and blast-induced fractures and petrofabric on seismic velocities</i>
Pugh	William E.	MS	1932	T0534	<i>Temperature compensation on a new magnetic system for Schmidt vertical balances</i>
Putman	Brent D.	MS	2014		<i>Aspects of time-lapse electrical resistivity monitoring in geotechnical and reservoir problems</i>
Putri	Indah Hermansyah	MS	2013		<i>Time-lapse AVO fluid inversion for dynamic reservoir characterization in Delhi Field, Louisiana</i>
Qureshy	Mohammed N.	PhD	1958	T0862	<i>Gravity anomalies and computed variation in thickness of the earth's crust in Colorado</i>
Ramdani	Ahmad Ihsan	MS	2012	T6989	<i>Time-lapse AVO analysis and interpretation for reservoir characterization of Delhi field, Louisiana</i>
Ramirez-Berrera	Andreas	MS	1954	T0793	<i>Gravity survey in the Morrison area, Jefferson County, Colorado</i>
Ramos	Antonio C.B.	PhD	1993	T4481	<i>Three-dimensional AVO analysis and anisotropic modeling applied to fracture characterization in coalbed methane reservoirs, Cedar Hill Field, San Juan Basin, New Mexico</i>
Rampton	David C.	MS	1995	T4759	<i>The Shear Difference: Characterizing the shear seismic response of a Morrow Fluvial sandstone reservoir, Sorrento Field, SE Colorado</i>
Ranzinger	Kurt A.	MS	1990	T3812	<i>Wave mode separation of multi-component, multiple-offset VSP data acquired from a complex physical earth model</i>
Rapstine	Thomas D.	MS	2015		<i>Gravity gradiometry and seismic interpretation integration using spatially guided fuzzy C-means clustering inversion</i>
Rebne	Claudia A.	MS	1985	T3158	<i>A seismic stratigraphic study of the muddy formation, Bell Creek Field, Montana</i>
Reeve	Donna M.	MS	1986	T3255	<i>Seismic detection of Mississippian Frobisher-Alida Facies, Wiley and Mouse River Park Fields, Bottineau and Renville Counties, Williston Basin, North Dakota</i>
Reeves	James, Jr.	PhD	1984	T2622	<i>Determination of rear abutment zones by SH channel wave velocity</i>
Reeves	James, Jr.	MS	1979	T2148	<i>Investigations of seismic seam waves in U.S. coals, Part I: The coal basin of Colorado</i>
Regueiro	Jose	MS	1980	T2322	<i>Hole to hole seismic seam wave study in the Zulia coal basin, N.W. Venezuela</i>
Regueiro	Jose	PhD	1984	T2903	<i>Detection of multimode seam wave by vertical arrays</i>
Reich	Stephen B.	MS	1989	T3725	<i>Application of the transient electromagnetic method in the Alexander Valley geothermal area, California</i>
Reitz	Anya M.	MS	2014		<i>Feasibility of time-lapse gravity gradiometry for reservoir monitoring</i>
Reynolds	Edward B.	MS	1968	T1199	<i>A three-dimensional model study of acoustic wave propagation in a borehole through fractured and non-fractured media</i>
Rhea	Susan B.	MS	1983	T2819	<i>Q determined from local earthquakes in the Charleston, South Carolina, coastal plain</i>

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Thesis Listings**

LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Ribeiro	Nier	MS	2011	T6924	<i>Joint inversion of multicomponent seismic data for reservoir characterization of an offshore Campos Basin Field, Brazil</i>
Riley	Robert Brent	MS	2007	T6297	<i>Combined micro-macro seismic monitoring of a hydraulic fracture stimulation, Rulison Field, Colorado</i>
Rimmer	Daniel H.	MS	1982	T2563	<i>An analysis of three component walk away noise test data for different land seismic sources</i>
Rittgers	Justin Bradley	PhD	2015		<i>Active and passive electrical and seismic time-lapse monitoring of earthen embankments</i>
Robinson	Holly Casey	MS	2012	T6981	<i>Seismic reservoir characterization of distributary channel sandstones in the lower Cretaceous Paluxy Reservoir, Delhi Field, Louisiana</i>
Rocha Junior	Daniel Carvalho	MS	2015		<i>Wavefield Imaging Using The Energy Norm</i>
Roche	Steven L.	PhD	1997	T5050	<i>Time-lapse, multicomponent, three-dimensional seismic characterization of a San Andres shallow shelf carbonate reservoir, Vacuum Field, Lea County, New Mexico</i>
Rodrigues	Patricia Evelyn	PhD	2014		<i>Shear modulus of heavy oils, rheometer measurements: confinement effect and amplitude dependence</i>
Rodriguez	Brian D.	MS	1983	T2594	<i>A self-potential investigation of a coal mine fire 2 copies</i>
Rodriguez	Nelson S.	MS	1976	T1860	<i>Computer-aided interpretation of seismic refraction data</i>
Rodriguez-Overjero	Juan C.	MS	1978	T2047	<i>Inversion of TDEM data with catalog interpolation</i>
Rojas	Eugenia	MS	2005	T6017	<i>Elastic rock properties of tight gas sandstones for reservoir characterization at Rulison Field, Colorado</i>
Rojas	Nelson A.	MS	2008	T6409	<i>Spectral decomposition applied to time-lapse seismic interpretation at Rulison Field, Garfield County, Colorado</i>
Rolla	Max R.	MS	1995	T4668	<i>AVO analysis and azimuthal AVO analysis, Joffre Field, Alberta</i>
Romig	Phillip R., Jr.	MS	1967	T1123	<i>A millimicron displacement transducer with mechanical calibration</i>
Romig	Phillip R., Jr.	PhD	1969	T1260	<i>Secular strains in NE Denver - 1968</i>
Rosborough	Kathy A.	MS	1983	T2597	<i>Finite element modeling for elastic wave propagation</i>
Rosen	Richard L.	MS	1979	T2216	<i>Well logs response in unconsolidated sands and determination of pore water salinity</i>
Rossow	Joerg	MS	1982	T2607	<i>A seismic investigation of the Geysers-Clear Lake Geothermal area, Lake County, California utilizing compressional and shear-wave sources</i>
Rossow	Joerg	PhD	1987	T3042	<i>An investigation of deconvolution techniques for transient electromagnetic records</i>
Roth	Friedrich	MS	1999	T5337	<i>Strapdown inertial navigation for ground penetrating radar data acquisition: theory and experiments</i>
Roundtree	Russell	MS	1983	T2706	<i>The use of geophysical methods for shallow petroleum exploration in southeast Kansas</i>
Roy	Amalendu	MS	1952	T0758	<i>Investigations on the use of shaped electrodes for surface exploration of minerals</i>
Royer	Theodore L.	MS	2004	T5842	<i>Time-lapse P-wave seismic monitoring of the CO2 Flood at Weyburn Field, Saskatchewan</i>
Rueger	Andreas	MS	1993	T4371	<i>Dynamic ray tracing and its application in triangulated media</i>
Rueger	Andreas	PhD	1996	T4946	<i>Reflection coefficients and azimuthal AVO analysis in anisotropic media</i>
Ruiz	Begona	MS	2007	T6311	<i>Lateral displacements in sandwich structures under uniaxial compressive stress: an alternative computational method</i>
Rumon	Michael	MS	2006	T6187	<i>Shear wave time-lapse seismic monitoring of a tight gas sandstone reservoir, Rulison Field, Colorado</i>
Rydzy	Marisa B.	PhD	2014		<i>The effect of hydrate formation on the elastic properties of unconsolidated sediment</i>
Sabet	Mohamed A.	MS	1963	T0975	<i>Gravity and magnetic investigation west of Michigan Hill, South Park, Colorado 2 copies</i>
Sabet	Mohamed A.	PhD	1966	T1045	<i>Gravity anomalies associated with the Elkhorn Fault, South Park CO</i>
Safarov	Elmar	MS	2007	T6323	<i>3-D seismic reservoir characterization of a petroleum prospect area, Apsheron Ridge, South Caspian Basin.</i>
Sagiroglu	Mustafa H.	MS	1980	T2363	<i>Elimination of multiple reflections before normal movement correction (filter FFPNMO)</i>

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Thesis Listings**

LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Saiti	Belgasim M.	MS	1984	T2748	<i>Regional velocity study of the middle cretaceous stratigraphic interval, northern Denver Basin, Colorado</i>
Saito	Akira	MS	1982	T2701	<i>Theory and application of induction logging for civil engineering (2 copies)</i>
Saito	Akira	PhD	1984	T2910	<i>Development of transient electromagnetic physical modeling for geophysical exploration</i>
Salamov	Firuz	MS	2005	T6064	<i>Seismic interpretation of reservoir systems and facies architecture: North Apsheron Ridge, Caspian Sea</i>
Salinas	Trino	MS	1996	T4956	<i>The influence of near-surface time anomalies in the imaging process</i>
Sanchez-	Hector V.	MS	2004	T5864	<i>Statistical analysis of anomalies</i>
Sa-Nguanphon	Saksit	MS	2011	T6947	<i>Seismic interpretation of a karst carbonate reservoir: Chonnabot Structure, northeastern Thailand</i>
Sanjeevareddi	Buggana S.	MS	1936	T0567	<i>A theoretical and experimental investigation of the earth resistivity method as applied to dipping strata</i>
Santiago	Raul Valencia	MS	1983	T2728	<i>An integrated geophysical study of the west-central part of San Luis Valley, Colorado</i>
Sarkar	Debashish	PhD	2003	T5807	<i>Migration velocity analysis in factorized VTI media</i>
Sarker	Rituparna	PhD	2010	T6755	<i>Elastic and flow properties of shales</i>
Sarmiento	Victor	MS	1994	T4593	<i>Petrophysics from wireline logs, Joffre Field, Canada</i>
Schiltz	Kelsey Kristine	MS	2013		<i>Multicomponent seismic reservoir characterization of a steam-assisted gravity drainage (SAGD) heavy oil project, Athabasca Oil Sands, Alberta</i>
Schimschal	Ulrich	MS	1972	T1458	<i>An application of the deconvolution technique to model gravitational fields</i>
Schimschal	Ulrich	PhD	1977	T1879	<i>Frequency domain and time domain solutions in the magnetotelluric method</i>
Schipperijn	A. Peter	MS	1989	T3745	<i>One-dimensional modeling and rotation analysis of azimuthally anisotropic, four-component shear wave data, Silo Field, Wyoming</i>
Schmidt	Jurandy	MS	1990	T3941	<i>Seismic detection of porosity in the Tensleep sandstone reservoir, South Casper Creek Field, Wyoming</i>
Schmidt	Jurandy	PhD	1992	T4218	<i>Neural network stacking velocity picking</i>
Schneider	William A., Jr.	MS	1987	T3320	<i>Dipmeter analysis by a Monte Carlo technique</i>
Schneider	William A., Jr.	PhD	1990	T3866	<i>A three-dimensional physical modeling study applying tomographic inversion and seismic migration to the tunnel detection problem</i>
Schultz-Swanson	Jennifer S.	MS	1996	T4893	<i>Four-dimensional seismic modeling of a carbon dioxide enhanced oil recovery monitoring project, Central Vacuum Unit, Lea County, New Mexico</i>
Schuyler- Rossie	Christine	MS	1985	T3161	<i>The use of refracted shear waves in groundwater exploration: a field test</i>
Schwark	Jessica	MS	2005	T6018	<i>Seismic hazard map of Iraq</i>
Shahid	Sidra	MS	2011	T6861	<i>Static and dynamic reservoir characterization using high resolution p-wave data in Delhi Field, LA</i>
Shank	Robert D.	MS	1986	T3257	<i>A seismic linear slip interface computer model for the detection of SV-shear reflections and tube wave generation from large fractures</i>
Sharrah	Karl	MS	1984	T2880	<i>The attenuation of tube waves in a liquid filled borehole 2 copies</i>
Shearer	Sarah	MS	2005	T6003	<i>Three-dimensional inversion of magnetic data in the presence of remanent magnetization</i>
Shekar	Barath	PhD	2014		<i>Modeling, evaluation, and asymptotic analysis of attenuation anisotropy</i>
Sherrill	Francis G.	MS	1979	T2167	<i>Seismic modeling of Pennsylvanian carbonate mounds in the Paradox Basin</i>
Sherrod	Phebe T.	MS	1985	T3067	<i>Harmonic analysis of synthetic surfaces crossing a borehole using dipmeter response</i>
Shiao	Ing-She	MS	1984	T2890	<i>Borehole coupling to a layered earth</i>
Shoemaker	Susan W.	MS	1988	T3417	<i>Seismic stratigraphic investigation of the Minnelusa and Goose Egg Formations Western Crook County, Wyoming</i>
Shoffner	Jeffrey D.	MS	2011	T6925	<i>Understanding the utility of gravity and gravity gradiometry for geothermal exploration in the Southern Walker Lake Basin, Nevada</i>

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LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Shuck	Edward L.	MS	1976	T1835	<i>A seismic survey of the Ralston area, Jefferson County, Colorado</i>
Shuck	Edward L.	PhD	1993	T4170	<i>Multi-component, three-dimensional seismic characterization of a fractured coalbed methane reservoir Cedar Hill Field, San Juan County, New Mexico</i>
Silva	Maria Gabriella Melo	MS	2010	T6663	<i>Range and resolution analysis of wide azimuth angle decomposition</i>
Silva	Luis R.	MS	1969	T1250	<i>Two-layer master curves for electromagnetic sounds</i>
Simmonds	Marc	MS	1990	T3885	<i>Integrated exploration for intrasedimentary aeromagnetic anomalies in the Williston Basin, Sheridan County, Montana</i>
Simms	Steven C.	ME	1979	T1846	<i>A geophysical subsurface soil investigation for transmission line foundations in southeast Wyoming and northeast Colorado</i>
Sinex	David B.	MS	2006	T6148	<i>Advancing the state of the art of UXO discriminatin for total-field magnetic data</i>
Singh	Paristosh	PhD	2013		<i>Processing, inversion, and interpretation of 9C-3D seismic data for characterizing the Morrow A Sandstone, Postle Field, Oklahoma</i>
Singh	Satyan	PhD	2016		<i>An Inverse Scattering Approach to Imaging Using Marchenko Equations in The Presence of A Free Surface</i>
Sirtautas	Anthony A.	MS	1985	T2921	<i>The Fourier Theoretical technique as applied to forward and inverse modeling</i>
Sitepu	Mester	MS	1993	T4414	<i>The subsurface anomaly resulting from a subsurface conductive pipe</i>
Sixta	David P.	MS	1982	T2571	<i>Comparison and analysis of downgoing waveforms from land seismic sources</i>
Skokan	Catherine King	PhD	1974	T1700	<i>A time-domain electromagnetic survey of the east rift zone, Kilauea volcano, Hawaii</i>
Skokan	J. J.	PhD	1974	T1701	<i>Geothermal exploration: an evaluation of the microseismic groundnoise method</i>
Smith	Brett	MS	1984	T3005	<i>A gravity study of the geologic boundary separating the Klamath Mountains and Cascade Range Provinces in Northern California</i>
Smith	Kingsley	MS	1984	T2977	<i>Acoustic tomography in boreholes using an algebraic reconstruction technique</i>
Smith	Steven Shawn	PhD	2013		<i>Modeling and inversion of stress-induced multicomponent seismic time shifts</i>
Smith	William H.	MS	1975	T1695	<i>A geophysical investigation of offshore Kudat peninsula, northern Borneo</i>
Smookler	Stanley	MS	1968	T1164	<i>A continuously recording interferometer in the calibration of strain-meters</i>
Sneddon	Christopher M.	MS	2002	T5602	<i>A hybrid surface-wave analysis method to estimate shear-wave velocities for geotechnical engineering applications</i>
Sneddon	Kristen Warner	MS	2003	T5813	<i>Porosity and multiphase fluid saturation from time-lapse ground penetrating radar</i>
Snyder	Donald D.	PhD	1968	T1174	<i>A gravity survey of South Park, Colorado</i>
Snyder	Georgia R.	MS	1984	T2837	<i>Paleomagnetism of the Questa Mine Area, Taos County, NM</i>
Solano	Marcelo	MS	1986	T3173	<i>3D seismic study in Northern Peru</i>
Sommers	George B.	PhD	1930	T0521	<i>Correlation of the anomalies of vertical intensity of the earth's magnetic field with the regional geology of North America</i>
Sonido	Ernesto P.	MS	1959	T0864	<i>Gravity survey of the Golden-Morrison-Denver area, Colorado</i>
Souto	Jose M.	MS	1977	T1977	<i>Exploration for geothermal energy in Oahu, Hawaii 2 copies</i>
Souto	Jose M.	PhD	1980	T2278	<i>Test of time-domain electromagnetic exploration for oil and gas</i>
Spurlin	James H.	PhD	1993	T4366	<i>Regional isostasy</i>
Squires	Stewart G.	MS	1986	T3203	<i>Seismic interpretation of Permian salt dissolution features, north-eastern Colorado</i>
Starrett	James M.	MS	1989	T3587	<i>A feasibility study for using seismic tomography to monitor the integrity of salt pillars</i>
Steensma	Gilein J.	PhD	1999	T5254	<i>Characterization of velocity anisotropy in near-surface consolidated sandstone from field and core scale observations</i>
Steinhoff	Christopher	MS	2013		<i>Multicomponent seismic monitoring of the effective stimulated volume associated with hydraulic fracture simulations in a shale reservoir, Pouce Coupe Field, Alberta, Canada</i>
Stewart	Duff C.	MS	1987	T3338	<i>Influence of geologic noise on inductive mining prospecting methods</i>

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LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Stewart	Duff C.	PhD	1993	T4374	<i>Detection of shallow subsurface layers by high-frequency electromagnetic sounding</i>
Stewart	W. Alan	MS	1953	T0777	<i>Structure and oil possibilities of the west flank of the Denver Basin north central Colorado</i>
Stillman	David E.	PhD	2006	T6149	<i>Frequency and temperature dependence in electromagnetic properties of Martian analog minerals</i>
Stockton	Scott L.	MS	1976	T1882	<i>Feasibility of using petroleum seismic methods to resolve thin beds of salt</i>
Stommel	H. E.	PhD	1951	T0729	<i>Seismic investigations in the Golden-Denver area</i>
Storch	Amber L.	ME	1999	T5256	<i>3-D seismic analysis of a Gulf of Mexico slump</i>
Story	Chip	MS	1979	T2158	<i>Seismic modeling and interpretation of the hogback thrust system in the Wyoming overthrust belt, Lincoln County, Wyoming</i>
Stoughton	Dean	MS	1977	T1960	<i>Interpretation of seismic reflection data from the San Luis Valley, south-central Colorado</i>
Strack	Kurt-Martin	MS	1981	T2476	<i>A method for the determination of the thermal conductivity of tight sandstones using a variable state approach</i>
Su	Fu-Chen	PhD	1976	T1869	<i>Seismic effects of faulting in coal seams: Numerical modeling</i>
Suh	Jung Hee	MS	1971	T1381	<i>Earth tides: surface strain measurements in NE Denver</i>
Suh	Jung Hee	PhD	1973	T1547	<i>The influence of site characteristics on the measurement of tidal strain</i>
Sullivan	Michael F.	MS	1983	T2747	<i>Finite element modeling of vertical seismic profiles</i>
Sullivan	Michael F.	PhD	1987	T3379	<i>Prestack Kirchhoff Inversion and modeling in 2.5 dimensions</i>
Sun	Jiajia	PhD	2015		<i>Joint inversion of multiple geophysical data and its application to geology differentiation</i>
Takanashi	Mamoru	PhD	2011	T-6909	<i>Anisotropic parameter estimation in the presence of a laterally heterogeneous overburden</i>
Talley	Daniel J.	MS	1997	T5017	<i>Characterization of a San Andres carbonate reservoir using four dimensional multicomponent attribute analysis</i>
Tamimi	Naser	PhD	2015		<i>Determination of seismic anisotropy parameters from multicomponent vertical seismic profiles for improved seismic imaging and reservoir characterization</i>
Tasci	M. Tahsin	MS	1975	T1743	<i>Exploration for a geothermal system in the Lualualei Valley, Oahu, Hawaii</i>
Tattam	Charles M.	MS	1932	T0536	<i>The application of the electrical resistivity method of geophysical prospecting to problems of underground water</i>
Tekiner	Yasar	MS	1970	T1314	<i>Determination of the parameters needed for some statistical methods of well logging (2 volumes, volume 2 Appendix and data)</i>
Terrell	Martin J.	PhD	2004	T5846	<i>Fracture permeability characterization at Weyburn Field: from shear wave anisotropy through flow simulation</i>
Thomsen	Ker C.	PhD	1965	T1016	<i>A study in visco-elastic wave propagation by photoviscoelasticity</i>
Thorarinsson	Freyr	MS	1984	T2869	<i>Simulation and comparison of data from DC resistivity and airborne magnetic surveys at the Kralla high temperature geothermal field in northeastern Iceland</i>
Thorarinsson	Freyr	PhD	1987	T3486	<i>A program to interpret roving dipole surveys with a conductive plate model</i>
Thuren	John B.	PhD	1969	T1275	<i>A fluidic controlled seismic source</i>
Tien	J. H.	PhD	1972	T1420	<i>Investigation on seismic wave forms</i>
Tjan	Timo	MS	1995	T4774	<i>Residual statics estimation for data from structurally complex areas using prestack depth migration</i>
Tongtaow	Chalermkiat	MS	1980	T2424	<i>Transient response of an acoustic logging tool in transversely isotropic media</i>
Tongtaow	Chalermkiat	PhD	1982	T2682	<i>Wave propagation along a cylindrical borehole in a transversely isotropic medium</i>
Towle	Guy H.	PhD	1978	T1702	<i>Stress effects on acoustic velocities of rocks</i>
Troseth	Frank Paton	PhD	1954	T0798	<i>Radial transmission factors for spherical waves in elastic media</i>
Truskowski	Melinda G.	MS	1993	T4490	<i>Detecting material property changes and fluid flow using a stationary DC resistivity grid</i>
Tsai	Steve C.S.	PhD	1990	T3820	<i>Rule-based geological constraints for two-dimensional gravity inverse modeling</i>
Tsubota	Koji	PhD	1979	T2130	<i>The frequency and the time domain responses of a buried two-dimensional inhomogeneity</i>

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LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Tulinius	Helga	MS	1980	T2325	<i>Time-domain electromagnetic survey in Kralla, Iceland</i>
Turpin	Bernar	MS	1960	T0911	<i>An experimental study of the self potential associated with graphitic bodies</i>
Uitti	Pamela Baur	MS	1980	T2341	<i>Interpretation of seismic reflection data from the southern San Luis Valley, south-central Colorado</i>
Upp	Charles S.	MS	1985	T3010	<i>A gravity survey of the Moffat, Eisenhower and Johnson Tunnels in the front range of Colorado</i>
Uzcatogui	Omar	PhD	1994	T4623	<i>Depth migration in transversely isotropic media with explicit operators</i>
Valla	Pierre	MS	1979	T2254	<i>Electromagnetic sounding survey in the direct current null-point method in the northern San Luis Valley</i>
Van Meter	Jim R.	MS	1990	T3768	<i>Pseudo-sonic log derivation central Kansas uplift, Kansas</i>
Van Wijk	Kasper	PhD	2003	T5761	<i>Multiple Scattering of Surface Waves</i>
Vandell	Clark	MS	1979	T2223	<i>Generalized linear inverse estimation of acoustic impedances from seismic reflection data</i> 2 copies
Vasconcelos	Ivan	PhD	2007	T6303	<i>Interferometry in perturbed media</i>
Vega Diaz	Andrea C.	MS	2012		<i>Time-lapse density prediction for reservoir characterization using probabilistic neural networks at Postle Field, Texas County, Oklahoma</i>
Velasquez-Espejo	Antonio Jose	MS	2012		<i>3D multicomponent seismic characterization of a clastic reservoir in the Middle Magdalena Valley Basin, Colombia</i>
Verma	Jagdeep	ME	1991	T3852	<i>SDA: An expert system to assist in seismic deconvolution processing</i>
Vieytes	Hugo	MS	1991	T4088	<i>Velocity anisotropy in the near surface from 3D-3C refraction data, South Casper Creek Field, Wyoming</i>
Villarreal	Alberto	MS	1998	T5189	<i>Distributed seismic modeling</i>
Vinal	Irene	MS	2015		<i>Multicomponent seismic monitoring of stress arching in the overburden due to hydraulic fracturing in the Montney Shale at Pouce Coupe Field, Alberta, Canada</i>
Violette	Paul B.	MS	1985	T3056	<i>Analysis of two-parameters constant background Born inversion for acoustic synthetic data</i>
Voorhies	H. Charles	MS	1996	T4936	<i>Application of a multicomponent vertical seismic profile to dynamic reservoir characterization at Vacuum Field, Lea County, NM</i>
Wagoner	Colin	MS	1985	T3001	<i>Gravity models of the Wyoming overthrust belt</i>
Walker	Richard C.	PhD	1979	T2171	<i>An S-layer model for electrical prospecting</i>
Wallin	Erin Lynn	PhD	2008	T-6382	<i>Scattering response of high frequency ground penetrating radar for DNAPL site characterization</i>
Wallis	Clayborn M.	MS	1982	T2535	<i>Seismic detection of porosity, Red River Formation, Williston Basin, Sheridan County, Montana</i>
Wandler	Aaron Vallejo	PhD	2013		<i>Estimating the influence of stress on elastic wave velocities from measurements made at different scales on sandstone facies</i>
Wang	Xiaomu	MS	1985	T3025	<i>An automated two-dimensional method for magnetic depth</i>
Wang	Xiaomu	PhD	1988	T3545	<i>Inversion for magnetic anomalies of arbitrary three-dimensional bodies</i>
Wang	Xiaoxiang	PhD	2012		<i>Anisotropic velocity analysis of P-wave reflection and borehole data</i>
Wang	Yung-Liang	PhD	1965	T1027	<i>Local hypocenter determination in linearly varying layers applied to earthquakes in the Denver area</i>
Wang	Zhonglin	PhD	1991	T4098	<i>The multiple-electrode logging tool and its applications</i>
Wang	Hui	MS	2016		<i>Seismic Waveform Modeling and Inversion in Acoustic Orthorhombic Media</i>
Wantland	Dart	MS	1935	T0565	<i>Geophysical surveys of three placer areas in Colorado</i>
Warren	William Jr., Jr.	MS	1986	T3211	<i>A geothermal exploration project in Pagosa Springs, Colorado</i>
Washburne	James C.	MS	1982	T2591	<i>Parameterization of spectral induced polarization data and laboratory and in situ spectral induced polarization measurements: West Shasta Copper-Zinc district, Shasta, California</i>
Watanabe	Izuru	MS	1980	T2377	<i>Utilization of surface waves in seismic exploration</i>
Waters	John William	MS	2010	T6699	<i>Multivariate statistical classification of seismic data using process-based models, East Breaks, Gulf of Mexico</i>
Watkins	Gary L.	MS	1983	T2579	<i>Seismic-stratigraphic analysis of ireton and nisky depositional environments, northwest of Edmonton, Alberta, Canada</i>

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Thesis Listings

LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Weber	Richard G.	MS	1986	T3315	<i>Fractures and shear vertical profiling</i>
Weerasinghe	Kamala	MS	1984	T3030	<i>Applications of statistical method for the zonation of digitized well logs</i>
Weiland	Wendy	MS	1989	T3703	<i>An integrated approach to gravity anomaly separation by geologic stripping</i>
Weitzel	Cheryl Muzyl	MS	1984	T2961	<i>Seismic modeling and interpretation of Elk Basin Field, Park County, Wyoming, and Carbon County, Montana</i>
Welch	Thomas M.	MS	1967	T1156	<i>Variations in telluric current power spectrums with local time and magnetic activity</i>
Welsh	Elliston	MS	1978	T2074	<i>Borehole coupling in porous media</i>
Whan	Wen Jea	PhD	1979	T2231	<i>Numerical modeling of the direct current resistivity for thin insulators</i>
Wheeler	Loralee	MS	2015		<i>Automatic and simultaneous correlation of multiple well logs</i>
White	Isabel	MS	2012	T7044	<i>Passive seismic monitoring of CO₂ injection at Delhi Field, Louisiana</i>
White	Matthew D.	MS	2015		<i>Time-lapse interpretation of P-wave data for a hydraulically fractured reservoir, Wittenberg Field, Colorado</i>
White	Nicholas E.	MS	1995	T4340	<i>Integrated geophysical investigation of a shallow aquifer at Rocky Mountain Arsenal, Denver, Colorado</i>
Wideman	Charles	MS	1967	T1111	<i>Strain steps associated with earthquakes</i>
Wideman	Charles	PhD	1974	T1685	<i>Earth strain measurements: Amchitka and Adak Islands, Alaska</i>
Wikel	Kurtis R.	MS	2008	T6389	<i>3-dimensional geochemical modeling of a tight gas reservoir, Rulison Field, Piceance Basin, Colorado</i>
Wiley	Mark L.	MS	2009	T6576	<i>Structural and stratigraphic controls on Morrow sandstone reservoir distribution from 3-D seismic data, Postle Field, Texas County, Oklahoma</i>
Wiley	Robert W.	PhD	1980	T2317	<i>An iterative seismic ray-migration scheme for complex structures</i>
Williams	Earle M.	MS	1991	T3892	<i>A boundary element direct current resistivity model to aid in the interpretation of an underground DC resistivity multicomponent survey</i>
Williams	John T.	MS	1977	T1854	<i>A theory of induced polarization for an idealized metal-solution interface</i>
Williams	Mark C.	MS	1984	T2888	<i>Geophysical investigation of sandstones in the upper cretaceous frontier formation, southwestern Powder River Basin, Wyoming</i>
Williams	Peter K.	MS	1991	T4030	<i>An investigation into the utility of neural networks for recognizing different reflected electromagnetic spectra</i>
Williams	Robert A.	MS	1992	T4184	<i>Site response models from high-resolution seismic reflection and refraction data, Santa Cruz, California</i>
Wilson	Travis	MS	2002	T5597	<i>Converted-wave Morrow sandstone reservoir delineation, Eva South field, Texas County, Oklahoma</i>
Winkler	Bruno	PhD	1933	T0545	<i>An amplifier suitable for use in applied seismology</i>
Winter	Mark	MS	1985	T3019	<i>Semi-automatic multi-tool correlation of geophysical log response for identifying lithology</i>
Wisniewski	Matthew J.	MS	2015		<i>A geophysical investigation of Jersey Valley geothermal field using magnetotelluric and gravity data</i>
Woodruff	W.F.	PhD	2015		<i>Multiscale properties of unconventional reservoir rocks</i>
Woodruff	William F.	MS	2010	T6718	<i>Stochastic inverse modeling of self-potential in boreholes and top gas characterization in the Piceance Basin</i>
Woodward	Thomas C.	MS	1950	T0677	<i>Electromagnetic anomalies with scale models</i>
Woolf	Rachel Vest	MS	2013		<i>Time lapse gravity monitoring at Coso geothermal field</i>
Woolley	Jonathan A.	MS	2004	T5917	<i>Shock tube experiments measuring and modeling the slow P-wave in low permeability rock cores</i>
Worthington	Edward W.	MS	1988	T3480	<i>Correlation and prediction of the earth's electromagnetic field</i>
Worthington	Edward W.	PhD	1992	T4129	<i>Field line resonances and plasma diagnostics of the earth's magnetosphere</i>
Wu	Xinming	PhD	2016		<i>3D Seismic Image Processing For Interpretation</i>
Xia	Hengren	PhD	1988	T3383	<i>Gravity data reduction and integrated interpretation in a rugged mountainous area</i>
Xu	Xiaoxia (Ellen)	PhD	2006	T6213	<i>Anisotropic geometrical-spreading correction and its application in azimuthal AVO analysis.</i>

CSM Department of Geophysics
Thesis Listings

LAST NAME	FIRST NAME	DEGREE	YEAR	NUMBER	TITLE
Yacoub	Nazieh K.	MS	1965	T1013	<i>Magnetic survey of the Jefferson area, Park County, Colorado 3 copies</i>
Yan	Jia	PhD	2010	T6737	<i>Wave-mode separation for elastic imaging in transversely isotropic media</i>
Yang	Chieh-Hou	PhD	1976	T1784	<i>Elastic waves: P and S conversion in first arriving reflections and critical refractions</i>
Yang	Tongning	PhD	2013		<i>Wavefield tomography using extended images</i>
Yen	Chie-Chung	MS	1984	T2914	<i>Iterative stack in petroleum seismology</i>
Yilmazer	Birsen C.	MS	1990	T3992	<i>Issues in 2-D transient electromagnetic modeling by the Dufort-Frankel finite difference method</i>
Yost	L. W.	PhD	1980	T2316	<i>Integral migration of seismic sections taken over complex geologic structures</i>
Youan	Frederic Dje	MS	2005	T6078	<i>Modeling the effect of invasion on the response of acoustic logging devices using a full elastic finite difference program</i>
Young	Mark T.	MS	1990	T3908	<i>A seismic and geologic study of the Morrow formation of Mount Pearl, Sorrento and Bledsoe ranch fields, Cheyenne County, CO</i>
Young	Terence K.	MS	1977	T1947	<i>A seismic investigation of North and South Table Mountains near Golden, Jefferson County, Colorado</i>
Young	Terence K.	PhD	1979	T2228	<i>The application of generalized wave theory to the study of elastic wave propagation in the borehole environment</i>
Zalan	Thomas A.	PhD	1988	T3479	<i>The use of multi-energy group neutron diffusion theory to numerically evaluate the relative utility of three dual detector neutron porosity well-logging tools</i>
Zeigler	Loren Michelle	MS	2013		<i>Modeling and mapping the effect of heat and pressure outside a SAGD steam chamber using time-lapse multicomponent seismic data, Athabasca Oil Sands, Alberta</i>
Zeisloft	Timothy D.	MS	1979	T2040	<i>A magnetotelluric study in the Gerlach-Hualapai Flat area, Nevada</i>
Zelewski	Gregg	MS	1985	T2739	<i>Simultaneous estimation of interval velocity and structure</i>
Zerpa	Nataly	MS	2011	T6917	<i>Dynamic reservoir characterization using p-wave and s-wave seismic time-lapse data at Postle Field, Texas County, Oklahoma</i>
Zhang	Junwei	PhD	2015		<i>Parts-based geophysical inversion with application to water flooding interface detection and geological facies detection</i>
Zhou	Jieyi	PhD	2015		<i>Structure-constrained image-guided inversion of geophysical data</i>
Zhu	Yaping	PhD	2006	T6145	<i>Seismic wave propagation in attenuative anisotropic media</i>
Zimmerman	Jeremy J.	MS	1989	T3517	<i>An investigation of a deep Carlin type disseminated gold deposit using multiple geophysical techniques</i>
Zyrianova	Margarita	MS	2011	T6942	<i>Geophysical study of overpressured Cretaceous shale deposits in the Northern Green River Basin, Wyoming</i>