

Doctor of Philosophy

Name	Project Title	Defended
Wesley Hall	Geochronology, magnetostratigraphy, and the tectonostratigraphic evolution of the late Meso- to Neoproterozoic Ghanzi Basin in Botswana in Namibia and implications for sedimentary rock-hosted copper-silver mineralization in the Kalahari Copperbelt [advisors: Y. Kuiper, M. Hitzman]	August 2017
Ryan Taylor	Orogenic gold formation and tectonic evolution of the Grass Valley gold district and temporal correlations of gold deposits in California [advisor: T. Monecke]	November 2015
Tom Meuzelaar	Hydrothermal alteration of carbonaceous mudstones hosting the Eskay Creek Au deposit, British Columbia [advisor: T. Monecke]	April 2015
David W. Broughton	Geology and ore deposits of the Central African Copperbelt [advisor: M. Hitzman]	December 2013
Eric Anderson	Aeromagnetic signature of the geology and mineral resources near the Pebble porphyry Cu-Au-Mo deposit, southwest Alaska [advisor: W. Zhou]	October 2013
Jessica Matthews	Trace element transport in the continental crust during anatexis: The role of accessory minerals [advisor: N. Kelly]	August 2013
Julie Leibold	Geochemistry and mineralogy of the alteration halo associated with the Three Crow roll-front uranium deposit, Nebraska, USA [advisors: T. Monecke and R. Wendlandt]	May 2013
John Woodhead	Geology and geophysics of the Zambian Copperbelt [advisor: M. Hitzman]	April 2013
Gloria Lopez	The El Espino iron copper gold district, Coastal Cordillera of Central Chile [advisor: M. Hitzman]	October 2012
Elizabeth Holley	The Veladero high-sulfidation epithermal Au-Ag deposit, Argentina: Volcanic stratigraphy, alteration, mineralization, and quartz paragenesis [advisor: T. Monecke]	October 2012
Sophie Hancock	Geology and geohydrology of the Lost Creek roll front uranium deposit, Wyoming [advisor: M. Hitzman]	August 2012
Garth Graham	Origin of base metal mineralization at the Sheep Creek Cu-Co deposit, Montana [advisor: M. Hitzman]	December 2011
Richard K. Glanzman	Application of field portable X-ray fluorescence to the mining industry [advisor: G. Closs]	November 2010
Jeanette McGill	Competitive long-run platinum group metal production from the Eastern Limb, Bushveld complex, South Africa [advisor: M. Hitzman]	November 2010
Khiyam Ahmad Alzughoul	Mineralization at the Calumet Mountain skarn system, North Salida, Central Colorado [advisors: M. Hitzman and G. Holden]	February 2007
Paul J. Bartos	Innovation in the mining industry through time [advisor: M. Hitzman]	November 2006

Master of Science

Name	Project Title	Defended
Xinran He	Origin and Evolution of the Rocky Pond Slice, an Enigmatic Tectonic Block in Eastern Massachusetts [advisor: T. Monecke]	May, 2017
Michael Hurth	Geologic Investigation of Iron Occurrences in the Katangan and Damaran Successions of Southern Africa: A Comparative Study [advisors: A. Gysi and M. Hitzman]	May, 2017

Philip Persson	Petrology and mineralogy of the peralkaline Mount Rosa Complex, El Paso County, Colorado [advisor: K. Pfaff]	May, 2017
Timothy Wyatt	The residence of uranium in roll front deposits: A case study [advisor: K. Pfaff]	April, 2017
Johana Pedraza Rojas	Geologic controls on alteration and mineralization at the Wharf mine, South Dakota [advisor: Elizabeth Holley]	April, 2017
Grainne Byrne	Geometries and Genesis of Breccias within the Halokinetic Kalukundi Diapir at the Mashitu Mine, Katanga, Democratic Republic of Congo [advisors: Dr. Murray Hitzman and Yvette Kuiper]	January 2017
Nicole Allen	Structurally controlled Cu-Zn-Pb-(Co) mineralization in the Ombombo Subgroup, Kaokoland, Namibia [advisors: Y. Kuiper and M. Hitzman]	November 2016
Madi Lytle	The Proterozoic history of the Idaho Springs-Ralston shear zone: Evidence for a widespread ca. 1.4 Ga orogenic event in central Colorado [advisor: Y.D. Kuiper]	July 2016
Patrick Quigley	The spectrum of ore deposit types, their alteration and volcanic setting in the Penokean volcanic belt, Great Lakes region, USA [advisor: T. Monecke]	May 2016
Ashley Quigley	The spectrum of ore deposit types, their alteration and volcanic setting in the Penokean volcanic belt, Great Lakes region, USA [advisor: T. Monecke]	April 2016
Wiley Skewes	Evolution of magmatic-hydrothermal systems below boiling conditions : evidence from the Çöpler Au-Cu deposit, east central Turkey [advisor: T. Monecke]	April 2016
Mandi Hutchinson	REE enrichment in weathered carbonatite, Bull Hill: Bear Lodge, Wyoming [advisors: M. Hitzman and R. Wendlandt]	January 2016
Mario Guzman	Geology, vein petrography and mineral chemistry of the North Amethyst deposit Creede mining district, Creede, Colorado [advisor: T. Monecke]	December 2015
Steffen Ball	Hydrothermal nickel sulfide hosted in Neoproterozoic carbonate and evaporitic rocks of the Menda Central Prospect, Democratic Republic of Congo [advisor: M. Hitzman]	December 2015
Gregory Hufford	Tectono-hydrothermal evolution of the Neoarchean Abitibi greenstone belt, Canada: New insights from the Timiskaming assemblage [advisor: T. Monecke]	November 2015
Douglas Conner	Geology of the Bornite, carbonate-hosted copper-zinc-cobalt deposit, southwestern Brooks Range, Alaska [advisor: M. Hitzman]	April 2015
Teresa Johnson	Petrology and geochemistry of the mafic and ultramafic dikes and intrusions in Carlton, Pine and Aitkin Counties, Minnesota [advisor: R. Wendlandt]	July 2015
Robert Charnock	Structural and U-Pb zircon geochronology investigation of selected units of the eastern Merrimack Belt, Massachusetts: Tectonic and Post-Acadian deformation implications [advisor: Y. Kuiper]	May, 2015
Corey Meighan	PT Evolution of the Sentinel Cu deposit, northwestern Zambia [advisor: N. Kelly]	May 2015
Matthew Dye	Mineralogical characterization and paragenesis of the Cripple Creek deposit, Colorado [advisor: N. Kelly]	March 2015
Jae Erickson	Rare earth element mineralization and formation of the Iron Hill carbonatite complex, Gunnison County, Colorado [advisor: K. Pfaff]	March, 2015
Matt Fithian	Geology, geochemistry and geochronology of the Marigold mine, Battle Mountain-Eureka Trend, Nevada [advisor: E. Holley]	March 2015
Justin Palmer	Structural geology and geochemistry of sedimentary rock-hosted gold in the eastern Nadaleen Trend, Yukon Territory, Canada [advisor: Y. Kuiper]	April 2014
Jena Long	Structural controls on roll-front mineralization at the Buss Pit deposit, Gas Hills district, Wyoming [advisor: T. Monecke]	April 2014

Olivia Oseguera	The significance of magma mingling and mixing during the formation of the host-rock successions of Archean massive sulfide deposits in the Noranda camp, Abitibi subprovince, Quebec [advisor: T. Monecke]	April 2014
Harry Hanneman	Mineralogy and geochemistry of carbonaceous mudstone as a vector to ore: A case study at the Lagunas Norte high-sulfidation gold deposit, Peru [advisor: T. Monecke]	January 2014
Timothy Gross	Controls and distribution of Au-Cu mineralization at the Island Mountain deposit, Whistler Project, Alaska [advisor: N. Kelly]	December 2013
Mitchell Bennett	Cathodoluminescence and fluid inclusion characteristics of hydrothermal quartz from porphyry deposits [advisors: T. Monecke and N. Kelly]	December 2013
Patricia Capistrant	Geology of the Enterprise hydrothermal nickel deposit, eastern Kabompo dome, north-western province, Zambia [advisor: M. Hitzman]	September 2013
Michael Hendrickson	Geology of the Fishtie copper deposit, Central Province, Zambia [advisor: M. Hitzman]	May 2013
Nicholas Kerr	Geology of the Stonepark Zn-Pb deposit, Limerick Basin, Ireland [advisor: M. Hitzman]	May 2013
Anne Rahfeld	Mineralogical and geochemical fingerprints of alteration associated with the Cripple Creek alkaline-magmatic Au-Te deposit, Colorado [advisor: N. Kelly]	May 2013
Wesley Hall	Structural geology and paragenesis of the Boseto sedimentary rock-hosted stratiform copper deposit, northwest Botswana [advisor: M. Hitzman]	March 2013
Tim Stockhausen	The Upper Conglomerate and its importance to the Sierra Mojada Ag-Zn deposit system, Coahuila, Mexico [advisor: M. Hitzman]	January 2013
Owen Nicholls	Mineralization related to the biotite syenite at the Money Knob intrusion-related gold deposit, Livengood, Alaska [advisor: T. Monecke]	January 2013
Erik Tharalson	Understanding the role of footwall sulfur, ore mineralogy, and igneous stratigraphy in the formation of the Serpentine magmatic Cu-Ni deposit, Duluth Complex, northeastern Minnesota [advisor: T. Monecke]	December 2012
Jeff Edelen	Geology of the Cerro Jumil gold skarn deposit, Mexico [advisor: T. Monecke]	December 2012
Laura Garchar	Geochemistry of a volcanic hydrothermal system at Mount Spurr, Alaska [advisor: R. Wendlandt]	October 2012
Andrew Ritts	Texture and composition of pyrite contained in the mudstone host of the Eskay Creek sulfide and sulfosalt deposit, British Columbia [advisors: T. Monecke and N. Kelly]	July 2012
Danielle S. Schmandt	Stratigraphy and mineralization of the Kamao copper deposit, Katanga, Democratic Republic of Congo [advisor: M. Hitzman]	April 2012
Robert Nowak	Predicting indicator mineral compositions in metamorphosed ore deposit alteration halos using calculated phase equilibria [advisor: N. Kelly]	January 2012
Elisabeth Easley	Geochemical analysis of the Waunita Hot Springs: Gunnison County, Colorado [advisor: R. Wendlandt]	January 2012
Mike Kirschbaum	Geology of the Guelb Moghrein Cu-Au (IOCG) deposit, Mauritania [advisor: M. Hitzman]	August 2011
John Gibbons	Mineralogical and geochemical vectors to ore in the Hoyle Pond deposit, Porcupine Gold Mines, Timmins [advisor: T. Monecke]	January 2011
Chris R. Siron	Geology of the Little Whiteman carbonate-hosted replacement deposit, western Fortymile District, East-Central, Alaska [advisor: M. Hitzman]	May 2010
Jocelyn Ross	A geometallurgical study at the Bingham Canyon mine, Utah: Analyzing mineralogical and textural parameters impacting rock breakage [advisor: M. Hitzman]	April 2010

Brandon Lewis	Geology of the Toboggan gold-telluride prospect, Murray, Idaho [advisor: M. Hitzman]	April 2010
Michael Tedeschi	Geology of the Cerro Verde iron oxide-copper-gold prospect: San Javier, Sonora, Mexico [advisor: M. Hitzman]	March 2010
Walter Valery Garcia Wong	Geology of the Milagros project, Alto Chicama district, La Libertad, Peru [advisor: J. Hedenquist]	March 2009
Jane G. Stammer	Geochemical and mineralogical analysis of the Chukar footwall gold deposit, northeastern Nevada [advisor: M. Hitzman]	October 2008
Michael Patrick Sheehan	Ore genesis of the Monywa copper complex, Monywa, Myanmar [advisor: G. Closs]	March 2008
Desiree Tenille Wentland	Copper and platinum group element mineralization in the Revais Creek Intrusion, Flathead Indian Reservation, Sanders County, Montana [advisor: M. Hitzman]	November 2007
Catherine E. Morgan	Alteration of the Bootstrap Limestone, Northern Carlin Trend, Elko Country, Nevada [advisor: J. Humphrey]	August 2007
Greg Lee Melton	Geochemical characterization of mantle xenoliths and the Herring Park Basalt and their association to the Rio Grande Rift [advisor: R. Wendlandt]	June 2007
Bridget A. Ball	The petrology of sulfide and PGE-bearing zones in the lower portion of the Lake Owen layered mafic intrusion, Albany County, Wyoming [advisor: M. Hitzman]	January 2007
Timothy J. MacIntyre	Fault-controlled hydrocarbon-related bleaching and sediment-hosted copper mineralization of the Jurassic Wingate Sandstone at the Cashin Mine, Montrose County, Colorado [advisor: M. Hitzman]	September 2006
Shawana M. Gilbertson	Phoenix district exploration target evaluation based on integrated 3-D geology, geochemistry, and geophysics, Lander Country, Nevada [advisor: G. Closs]	August 2006
John S. Lien	Characterization of the Black Mountain gold-mineralizing system, east-central Alaska [advisor: S. Romberger]	August 2006
Eric Earnest Eckberg	Geology and mineral paragenesis of the Copper Hill area, NW Gillis Range, Walker River Indian Reservation, Mineral County, Nevada [advisor: M. Hitzman]	July 2006
Celso L. Palacios C.	Geology of the Explorador epithermal vein and Selene mining district, Apurimac, Peru: Lithostratigraphy, structure, alteration and mineralization [advisors: E. Nelson and A. Dietrich]	May 2006
Ronald Gutierrez	Geology of the Huevos Verdes silver-gold vein system, San Jose district, Deseado Massif, Patagonia, Argentina [advisor: E. Nelson]	May 2006

Professional Master in Mineral Exploration

Name	Graduation
Bridgette M. Miller	December 2016 [advisor: E. Holley]
Denis Alp	July 2016 [advisor: E. Holley]
Jacob Smith	May 2016 [advisor: A. Gysi]
Shawn Lopez	December 2015 [advisor: E. Holley]
Ambyr Douglass	May 2015 [advisor: E. Holley]
Maxwell Hain	May 2015 [advisor: E. Holley]
Nathan Loesch	May 2015 [advisor: E. Holley]
Brandon Meehl	May 2015 [advisor: E. Holley]

David Peake	May 2015 [advisor: E. Holley]
Mark Mikos	December 2014 [advisor: E. Holley]
Peter Brice	December 2014 [advisor: Y. Kuiper]
Johanna Cervera Acosta	December 2014 [advisor: E. Holley]
Tsolmon Gonchig	December 2014 [advisor: E. Holley]
John Meyer	December 2014 [advisor: E. Holley]
Edy Teodoro Vásquez	December 2014 [advisor: E. Holley]
Jamison Ricks	May 2013 [advisor: T. Monecke]
Pamela Lagrava Zamorano	December 2013 [advisor: E. Holley]
Enrique A. Chait Molina	December 2012 [advisor: T. Monecke]
Judith Hughes	December 2012 [advisor: M. Hitzman]
Michael Lobato	December 2012 [advisor: T. Monecke]
Kari L. Oakman	May 2012 [advisor: T. Monecke]
Amelia T. Sterling	May 2012 [advisor: T. Monecke]
Efrain Ugarte Zarate	December 2011 [advisor: T. Monecke]
Matthew L. Cunningham	December 2011 [advisor: T. Monecke]
Younus O. Afzali	December 2010 [advisor: G. Closs]
Ho Cheol Shin	December 2010 [advisor: M. Hitzman]
Rebecca Klein	May 2010 [advisor: T. Monecke]