2013 Senior Thesis Research Presentations

Spencer Staley  Advisor: Bruce Selleck
Middle Devonian Hamilton Group Stratigraphy in the Appalachian Basin: Gamma Ray Correlation and Lithologic Study of Key Marker Beds in Central New York State

Michael Leidl  Advisor: Bruce Selleck
Mineralogy and Geochemistry of Devonian Black Shales, New York

Brittany Phillips  Advisor: Bruce Selleck
Stratigraphy and Clay Mineralogy of the Devonian Moscow-Tully-Geneseo Formation Interval in New York State: Outcrop and Well-log Observations

Ross Mower  Advisor: Bruce Selleck
Water Budget Analysis: A GIS Approach to Soil-Moisture Availability in the Adirondack Park

Caroline LaBriola  Advisor: Bruce Selleck
Seepage Conditions and Water Budget Analysis of Duck Lake in Milton, Wisconsin

Craig Capodiferro  Advisor: Connie Soja
Paleoecology and Paleobiogeographic Implications of Silurian Megalodont Bivalves in Alaska’s Alexander Terrane

Susannah Boote  Advisor: Bruce Selleck
Application of Electron Backscatter Diffraction to Calcite Deformation Twins: Analysis of Paleostress Directions in the Marcellus Shale

Jaclyn Baughman  Advisor: Martin Wong
Petrographic, EBSD and Thermochronologic Evidence for Two-Stage Deformation of the Harcuvar Metamorphic Core Complex, AZ
Casey Portela
Mylonitic Marble of the Northern Snake Range

Advisor: Martin Wong

Caitlin Cunningham
A Metamorphosed Soil Horizon in the Colorado Front Range: Implications for Ultra-Pure Paleoproterozoic Quartzites

Advisor: Martin Wong

Molly Clinton
Geochemical and Mineralogical Analysis of Vineyard Soils from the Okanagan Valley, British Columbia

Advisor: Rich April

Mary Gilligan
Stream Water Chemistry on Preston Hill: Influences of Bedrock, Soil, and Chemical Weathering

Advisor: Rich April

Halley Goldman
Plant Induced Chemical Weathering in Rhizosphere Soils, Roger's Glen, Central New York

Advisor: Rich April

Margaret McMullen
History of Ice Retreat and Advance in the Larsen A Embayment, Antarctic Peninsula

Advisor: Amy Leventer

Rita Van Kirk
Insights into the Galapagos Plume from Santa Cruz Island, Galapagos

Advisor: Karen Harpp

Clementine Dunne
Stable Isotope Geochemistry of the Desert View Mine, San Bernardino Mountains, California.

Advisor: William Peck

Matthew Shramko
Stable Isotopes of Secondary Carbonates of the Franklin Mining District, New Jersey

Advisor: William Peck

Max Ephraim
Petrography of Hydrothermal Zircon from the Pikes Peak batholith, Mt. Rosa Area, El Paso County, CO

Advisor: William Peck

Damian Roesler
Are Thermal Histories Recovered from Multiple Diffusion Domain Models of 40Ar/39Ar K-feldspar Analyses Geologically Meaningful? A Case Study at the Grayback Normal Fault Block, Arizona

Advisor: William Peck