

Curriculum Vitae, March 2022

Brandon J. Vogt

Associate Professor and Graduate Director
Department of Geography and Environmental Studies
University of Colorado Colorado Springs
1420 Austin Bluffs Parkway
Colorado Springs, Colorado 80918

bvogt@uccs.edu
academics.uccs.edu/bvogt
719.255.5146

EDUCATION

PhD, 2007, Arizona State University, School of Geographical Sciences
MA, 2000, Arizona State University, School of Geographical Sciences
BS, 1992, University of Missouri - Columbia, School of Natural Resources

AREAS OF SPECIALIZATION

Geomorphology (mountain systems, rock weathering), mountain meteorology, microclimate, geographic information systems, geovisualization, geomorphometry, terrestrial lidar, high impact educational practices

ACADEMIC POSITIONS

Associate Professor, Jul. 2016 - present. UCCS, Department of Geography and Environmental Studies
Graduate Director, Jul. 2019 - present. UCCS, Department of Geography and Environmental Studies
Assistant Professor, Aug. 2009 - Jun. 2016. UCCS, Department of Geography and Environmental Studies
Lecturer, Aug. 2007 - May 2009. UCCS, Department of Geography and Environmental Studies
Visiting Assistant Professor, Aug. 2004 - May 2005. Texas State Univ. San Marcos, Department of Geography

EARLIER PROFESSIONAL EXPERIENCE

Webmaster, 1999 - 2009. The Arizona Solar Center, Inc., Tempe, AZ
Meteorological Technician, 1999. National Weather Service, Phoenix, AZ
Physical Science Technician, 1997. US Geological Survey, Global Change/Climate History Team, Denver, CO
Wilderness Ranger, 1992. US Forest Service, Rio Grande National Forest Peaks Ranger District, Creede, CO
Recycling Coordinator, 1992-1996. National Center for Atmospheric Research (NCAR), Boulder, CO

REFEREED ARTICLES (* = graduate student)

Vogt, Brandon. "Mountain Meteorology." *Oxford Bibliographies* in "Geography." Ed. Barney Warf. New York: Oxford University Press, Nov. 26, 2019. [URL](#).

Hodanish, Steve, **Brandon Vogt**, and Paul Wolyn. 2019. [Colorado lightning climatology](#). *Journal of Operational Meteorology* 7(4): 45-60.

Vogt, Brandon, Steve Lapham, and Rebecca Theobald. 2018. The Physical Geography of the San Luis Valley Region of South-Central Colorado. National Council for the Social Sciences. *Social Studies and the Young Learner* 30:3 (Jan./Feb.).

Vogt, Brandon, and Emily Skop. 2017. The Silverton Field Experience: A model geography course for achieving high impact educational practices (HEPs). *Journal of Geography in Higher Education* 41(4): 574-589.

Vogt, Brandon, and Steve Hodanish 2016. A geographical analysis of warm season lightning / landscape interactions across Colorado, USA. *Applied Geography* 75: 93-105.

Havlick, David, Tom Huber, Eric Billmeyer, and **Brandon Vogt**. 2016. Informal trail creation: Hiking, trail running, and mountain bicycling in shortgrass prairie. *Journal of Sustainable Tourism* 24(7): 1041-1058.

Hodza, P., Schaab, G. Coetzee, S. Van der Merwe, F. and **Brandon Vogt**. 2015. Comparing proportional compositions of geospatial technology related programs at three universities. *South African Journal of Geomatics* 4(3): 240-249.

Vogt, Brandon. 2014. Visualizing summertime lightning patterns on Colorado Fourteeners. *The Professional Geographer* (66)1: 41-57.

Vogt, Brandon, and Stephen Hodanish. 2014. A high resolution lightning map of the state of Colorado. *Monthly Weather Review* 142(7): 2353-2360.

Vogt, Brandon, and Paddington Hodza. 2013. Using 'Digital Earth' to expose students to GIScience. *Journal of Geography* 12(5): 205-13.

Vogt, Brandon. 2012. Terrestrial 3d laser scanners as tools to enhance undergraduate geography curriculum. *Papers of the Applied Geography Conferences* 35(2012): 21-26.

Cameron, Nairne, E. Butterworth, D. Cerney, W. Gribb, K. Haynes, B. Hodge, R. Honea, and **Brandon Vogt**. 2012. Applied geography education in focus: strategic panel session. *International Journal of Applied Geospatial Research* 3(3): 97-107.

Vogt, Brandon. 2011. Exploring cloud-to-ground lightning earth highpoint attachment geography by peak current. *Earth Interactions* 15(8): 1-16.

Vogt, Brandon. 2011. Colorado 14ers, pixel by pixel. *International Journal of Applied Geospatial Research* 2(2): 17-33.

Vogt, Brandon, and Robert Edsall. 2010. Terrestrial laser scanning and exploratory spatial data analysis for the mapping of weathering forms on rock art panels. *Geocarto International* 25(5): 347-367.

Fonstad, Mark, William Pugatch, and **Brandon Vogt**. 2003. Kansas is flatter than a pancake. *Annals of Improbable Research* 9(3).

Wentz, Elizabeth, Michael Kuby, and **Brandon Vogt**. 2001. Extracting high points from statistical surfaces: A case study using digital elevation models. *Cartography and Geographic Information Science* 28(4): 259-271.

Kuby, Michael, Elizabeth Wentz, **Brandon Vogt**, and Randy Virden. 2001. Experiences in developing a tourism website for hiking Arizona's highest summits and deepest canyons. *Tourism Geographies* 3(4): 454-473.

BOOK CHAPTERS

Vogt, Brandon. 2020. "Colorado's Terrain-Tied Meteorology." In [Denver and the Rocky Mountain West](#), Ed. Michael Keables.

Vogt, Brandon. 2013. "Colorado 14ers, Pixel by Pixel." In *Emerging Methods and Multidisciplinary Applications in Geospatial Research*, ed. Donald P. Albert and G. Rebecca Dobbs, 239-254. (reprint)

Cameron, Nairne, Edwin Butterworth, Dawna Cerney, William Gribb, Kingsley Haynes, Bill Hodge, Robert Honea and **Brandon Vogt**. 2013. "Applied Geography Education in Focus: Strategic Panel Session." In *Geographic Information Systems: Concepts, Methodologies, Tools, and Applications*, ed. Information Resources Management Association, USA, 1665-1674. (reprint)

Vogt, Brandon. 2013. "Colorado 14ers, Pixel by Pixel." In *Geographic Information Systems: Concepts, Methodologies, Tools, and Applications*, ed. Information Resources Management Association, USA, 1200-1215. (reprint)

NON-REFEREED PUBLICATIONS

Vogt, Brandon. 2017. Monthly and Hourly Lightning Maps: NOAA / NWS Lightning Page – 36 CG Flash Density Maps. (<https://www.weather.gov/pub/lightningFlashDensityMaps>)

Vogt, Brandon. 2008. Rock Weathering at Red Rock Canyon Open Space, Colorado Springs, CO. An interpretive web-based field guide for visitors. (<http://redrockcanyonopenspace.org/education/geology/rock-weathering>)

Vogt, Brandon. 2001. Arizona's 20-20 Challenge - A website for hikers created for the Arizona Office of Tourism (with Elizabeth Wentz, Michael Kuby, and Randy Virden).

Vogt, Brandon. 1997. US Geological Survey Global Change Research Program - Impacts of Climate Change and Land Use in the Southwestern United States. USGS publication: The Arroyo Problem in the Southwestern United States. (<http://geochange.er.usgs.gov/sw/impacts/geology/arroyos>)

OUTREACH AND SERVICE

2022 -2023 AAG Mountain Geography Specialty Group Secretary and Treasurer
2021 AAG 2021 Seattle (virtual) 'The Changing North American Continent' Theme Committee Member
2020 AAG 2020 Denver Field Trip Organizer, Local Arrangements Committee Member, and 'The Changing North American Continent' Theme Committee Member
2019 - present Masters in Applied Geography Graduate Director / Graduate School Graduate Executive Committee Member
2019 - present Jacquelin Beyer Scholarship Award Committee Member
2017 - present Dane Vogel Scholarship Award Committee Member
2016 Great Plains / Rocky Mountains Division AAG President / Annual Conference Coordinator
2016 - present Colorado Springs' Cafe Scientifique Lecture Series Organizer (two / semester, but none since spring 2020)
2014 - present Applied Geography Conferences Board Member / Student Competition Co-Coordinator (Coordinator for 2021)
2014 UCCS Program Prioritization Committee Member
2013 UCCS GE Explorer Sub-Team Member
2013 - 2016 GES Colloquium Series Organizer
2008 - present GES Website Maintainer
2007 - present CoCoRaHS Volunteer Observer

INVITED PRESENTATIONS / PANEL PARTICIPATION

2021. Vogt, Brandon. Applied Geography Conference, Roundtable / Panel Discussant: Meet Your Thesis Advisor. Online Conference.

2021. Stephen Hodanish and **Vogt, Brandon.** Lightning patterns and lightning risk in El Paso County, Colorado. Presented to El Paso County Search and Rescue team, Colorado Springs, CO.

2021. Vogt, Brandon. Activism4Earth, NPR Radio West/KUER Salt Lake City panel participant. An attempt to bring the science and arts community together.

2020. Vogt, Brandon. Colorado's Colorful Lightningscape. Lost Friend Brewing Company STEAM-y Sundays Lecture Series, Colorado Springs, CO.

2019. Vogt, Brandon, and Emily Skop. High-Impact Educational Practices through Experiential Learning. Classroom Methods Session, UCCS Mountain Lion Teaching and Learning Day / Teaching Transcends (presented by Brandon Vogt).

2017. Vogt, Brandon. Colorado's Colorful Lightningscape. Saturday Night in the Park Lecture, Rocky Mountain National Park, Kawuneeche Visitor Center, Grand Lake, CO.

2017. Vogt, Brandon. Exploring Lightning / Landscape Interactions. UpaDowna Adventure on Tap Lecture Series, Colorado Springs, CO.

2017. Stephen Hodanish, and **Brandon Vogt.** Using lightning data. NOAA Total Lightning Implementation Working Group, teleconference seminar, Pueblo, CO (joint presentation).

2016. Vogt, Brandon. Physical geography of Garden of the Gods Park. Field trip leader. Colorado Springs International Visitor's Program / Department of State, Colorado Springs, CO.

2015. Vogt, Brandon, and Stephen Hodanish. Colorado's Colorful Lightningscape. Colorado Geographic Alliance (COGA) Night with a Geographer lecture, Mountain Chalet, Colorado Springs, CO (joint presentation).

2014. Vogt, Brandon, and Stephen Hodanish. The Colorado Lightningscape. Colorado Geographic Alliance (COGA) Night with a Geographer lecture, Pueblo Steelworks Center, Pueblo, CO (joint presentation).

2014. Vogt, Brandon. Colorado's lightning climatology and things you don't want to know about the Region. Lecture. Café Scientifique, UCCS.

2014. Vogt, Brandon. ChitChat 2014: Lightning and Poutine Cuisine, talks on contemporary culture at the Gallery of Contemporary Art (GOCA), Downtown Gallery, Colorado Springs, CO.

2014. Vogt, Brandon. Rock weathering. Presentation and fieldtrip, Red Rock Canyon Open Space. Sponsored by Friends of Red Rock Canyon, Colorado Springs, CO.

2013. Vogt, Brandon. Expanding GIS through teaching tools. Presentation and panelist. 5th Annual GIS in Higher Education Summit, Colorado Springs, CO.

- 2012. Vogt, Brandon.** The new geospatial technology - terrestrial lidar. Lecture. Colorado Science Education Network. Colorado Springs, CO.
- 2012. Vogt, Brandon.** Rock art weathers: Field observations in Picket Wire Canyon. Speaker and field trip co-leader. Pikes Peak Chapter of the Colorado Archaeological Society, Colorado Springs, CO.
- 2011. Vogt, Brandon.** AAG Annual Convention Panelist: Applied Geography and Education. Seattle, WA.
- 2010. Vogt, Brandon.** Remote sensing for cultural resource preservation. Colloquium speaker. Department of Geography, University of Denver, Denver, CO.
- 2010. Vogt, Brandon** with Chris Coleman, artist. Hypothesis: Process in Science and Art. Lecture, UCCS (joint presentation).
- 2010. Vogt, Brandon.** Rock art weathers: Field observations in Picket Wire Canyon. Speaker and field trip co-leader. Pikes Peak Chapter of the Colorado Archaeological Society, Colorado Springs, CO.
- 2010. Vogt Brandon.** Technology in Education. Panelist. Colorado Geographic Alliance (COGA), UCCS.
- 2009. Vogt, Brandon.** Terrestrial lidar applications in rock weathering studies. Capstone Lecture. Department of Economics and Geosciences, US Air Force Academy, CO.
- 2008. Vogt, Brandon.** Terrestrial lidar to advance the Rock Art Stability Index (RASI). Lecture. Department of Geology, Geography, and Environmental Studies, University of Colorado, Denver, Denver, CO.
- 2008. Vogt, Brandon.** Rock weathering forms and processes. Lecture and field trip leader. Red Rock Canyon Open Space 'Friends of Red Rock Canyon' Fall Education Series, Colorado Springs, CO.
- 2007. Vogt, Brandon.** Geovisualization in the context of rock art preservation, Lecture. Department of Geography and Environmental Studies, UCCS.
- 2003. Vogt, Brandon.** The Flat Landscape of Kansas. NPR Interview with Robert Siegel, July 29, 2003, Heard on *All Things Considered*.

OTHER PRESENTATIONS

- 2022.** Routt, Austin, Layla Burney, Gina Galjour, Rachel Johnson, Brianna Santos, and **Brandon Vogt.** Rock glacier kinematic monitoring in the San Juan Mountains, Colorado. Session: Observation and Modeling of Cryospheric Changes AAG Annual Convention Paper. New York, NY (presented by Austin Routt and Rachel Johnson).
- 2022. Vogt, Brandon,** Layla Burney, Gina Galjour, Rachel Johnson, Brianna Santos, Callista Yarian, and Austin Routt. High-Elevation, High-Risk Field Work: Lessons Learned. Session: Geologic Hazards. AAG Annual Convention Paper. New York, NY (presented by Brandon Vogt).
- 2021. Vogt, Brandon.** Colorado's Terrain-Tied Meteorology. AAG Annual Convention Paper, Session: Weather and Climate Studies of the Rocky Mountain West: I (Virtual Paper Session I and II Organizer). Seattle, WA.
- 2020. Vogt, Brandon.** Challenges in an Evolving Academic Job Market for Geographers (panelist). Applied Geography Conference. Online Conference.
- 2020. Vogt, Brandon** and Jeff Derry. Teaching Wintertime Mountain Meteorology in The Mountains: An Experiential Learning Field Course in Colorado's San Juan Mountains. American Meteorological Society (AMS) 19th Conference on Mountain Meteorology, Session: Education, Outreach, Diversity, Inclusion, and Equity in Mountain Meteorology. Park City, UT (presented by Brandon Vogt).
- 2020. Stephen Hodanish** and Brandon Vogt. Colorado's Thunderstorm Climatology. American Meteorological Society (AMS) 19th Conference on Mountain Meteorology. Session: Applications of Mountain Meteorology. Park City, UT.
- 2020. Vogt, Brandon.** Colorado's Terrain-Tied Meteorology. AAG Annual Convention Paper, Session: Weather and Climate Studies of the Rocky Mountain West: II (Session I, II, and III Organizer). Denver, CO (sessions cancelled)
- 2018. Vogt, Brandon,** and Emily Skop. The Silverton Field Experience: a model geography course for achieving high-impact educational practices (HEPs), AAG Annual Convention Paper, Session: Experiential Learning in Geographic Education. New Orleans, LA (presented by Brandon Vogt).

- 2015.** Hodza, P., Schaab, G., Coetzee, S., van der Merwe, F., and **Vogt, Brandon**. Comparing proportional compositions of geospatial technology-related programs at three universities. Geomatics Indaba 2015, Ekurhuleni, South Africa. (presented by Paddington Hodza)
- 2015.** **Vogt, Brandon**, Stephen Hodanish, and Jim Schindling. Lightning activity in Colorado's mountains: New discoveries. AAG Annual Convention Poster, Session: Regional Climatology. Chicago, IL.
- 2015.** Hodanish, Stephen, and **Vogt, Brandon**. A high-resolution lightning map of the State of Colorado. 95th American Meteorological Society (AMS) Annual Meeting / 7th Conference of the Meteorological Applications of Lightning Data. Phoenix, AZ (presented by Stephen Hodanish).
- 2014.** **Vogt, Brandon**. Field Studies, Silverton, Colorado: A model geography course. 37th Applied Geography Conference. Atlanta, GA.
- 2014.** **Vogt, Brandon** (session organizer / session chair), and Stephen Hodanish. Linkages between lightning and topographic texture, AAG Annual Convention Paper, Session: Regional Climatology. Tampa, FL.
- 2013.** **Vogt, Brandon**, and Stephen Hodanish. New insight into Colorado's lightning climatology: The influence of elevation and terrain features. 36th Applied Geography Conference. Annapolis, MD.
- 2013.** Hodanish, Stephen, and **Vogt, Brandon**. A high-resolution lightning map of the State of Colorado. 38th National Weather Association (NWA) Annual Meeting, Charleston, SC (presented by Stephen Hodanish).
- 2012.** **Vogt, Brandon**. Terrestrial 3D laser scanners as tools to enhance undergraduate geography curriculum, 35th Applied Geography Conference. Minneapolis, MN.
- 2012.** **Vogt, Brandon**, Cerian Gibbes, Steve Jennings, and Matt Sidor. Geographical research applications of terrestrial laser scanning, Mountain Lion Research Day Poster Presentation, UCCS.
- 2011.** **Vogt, Brandon**. Curriculum enhancements gained from the National Center for Atmospheric Research (NCAR) COMET faculty course: Integrating satellite data and products into geoscience courses. Boulder, CO.
- 2011.** **Vogt, Brandon** (session chair). Summertime lightning risk on Colorado Fourteeners. Great Plains/Rocky Mountain Division AAG Paper. Session: Hazards and Disasters. Denver, CO.
- 2011.** **Vogt, Brandon**, and Paddington Hodza. Using Digital Earth to excite students about GIScience. AAG Annual Convention Paper. Session: Emerging Ideas in GIS Instruction. Seattle, WA (presented by Brandon Vogt).
- 2010.** **Vogt, Brandon**. Lightning and landscape, AAG Annual Convention Paper, Session: Physical and Social Dimensions of Extreme and Hazardous Weather. Washington, DC.
- 2010.** Anderson, Sharolyn, Mark Fonstad and **Brandon Vogt**. Extending quantitative analysis of historical photographs, AAG Annual Convention Paper, Session: The Use of Photography and Repeat Photography in Geomorphological Research and Teaching - Session 2: Quantitative Approaches. Washington, DC (presented by Sharolyn Anderson).
- 2010.** **Vogt, Brandon**. Lightning and landscape, Mountain Lion Research Day Poster Presentation, UCCS.
- 2009.** **Vogt, Brandon** (session organizer) and Steve Jennings. Measuring the success of a new physical geography-based learning community, AAG Annual Convention Paper. Session: Learning Communities in Geography. Las Vegas, NV (presented by Brandon Vogt).
- 2008.** **Vogt, Brandon**. Terrestrial lidar, GIS, and rock weathering, Air Force Academy GIS Day Poster Presentation, USAFA, Colorado Springs, CO.
- 2007.** Stevens, Michelle, **Brandon Vogt**, Dennis Staley, and Thad Wasklewicz. 3D laser scanning, documentation, and condition assessment of rock art, Society for American Archaeology 72nd Annual Meeting Paper. Austin, TX (presented by Michelle Stevens).
- 2007.** **Vogt, Brandon**. Geovisualization of laser scanned images as a systemic strategy to aid in stone conservation, AAG Annual Convention Paper. Session: Rock Weathering and Rock Art: Sustainability of Cultural Resources Etched in Stone. San Francisco, CA.
- 2005.** **Vogt, Brandon**. Exploring mountain denudation process and rate utilizing contour line pattern analysis and space-for-time substitution, AAG Annual Convention Paper. Denver, CO.

- 2003. Vogt, Brandon** and Emily Skop. Us vs. them - old-to-new Colorado license plates: A barometer for cultural geographers, AAG Annual Convention Paper, Session: International Year of Mountains I: Beyond 2002 - Mountain Geography Specialty Group Paper. New Orleans, LA (presented by Brandon Vogt).
- 2002. Vogt, Brandon** and Emily Skop. The license plate wars, Annual Meeting of the Association of Pacific Coast Geographers Poster. San Bernardino, CA (joint presentation).
- 2001. Vogt, Brandon.** A non-destructive field technique for measuring surface roughness at sub-millimeter resolution, AAG Annual Convention Paper. Session: Weathering Geomorphology. New York, NY.
- 2000.** Cerveny, Niccole, Mark Fonstad, **Brandon Vogt.** Total-scale analysis of lava flow surface complexity for SP Crater, Northern Arizona, AAG Annual Convention Paper. Pittsburgh, PA (presented by Niccole Cerveny).
- 2000.** Wentz, Elizabeth, **Brandon Vogt,** Michael Kubly. Use of GIS for extraction of summit and canyon locations in the State of Arizona, AAG Annual Convention. Poster. Pittsburgh, PA (presented by Elizabeth Wentz).
- 2000. Vogt, Brandon** and Mark Fonstad. Complexity-scale relationships in montane snowpack depth: potential applications in snow process research and snow-water equivalent measurement, AAG Annual Convention Paper. Session: Cryosphere. Pittsburgh, PA (presented by Brandon Vogt).
- 1999. Vogt, Brandon.** The confocal laser microscope as a tool to quantitatively measure stone surface roughness, AAG Annual Convention Paper. Session: Weathering Geomorphology. Honolulu, HI.
- 1998.** Reynolds, Rich, Meredith Reheis, **Brandon Vogt.** and Jayne Belnap. Aeolian dust in surficial sediments on the Colorado Plateau, magnetic and geochemical evidence, 4th International Conference on Aeolian Research, Paper. Oxford, U.K. (presented by Rich Reynolds).

GRANTS

- 2021.** NSF Smart and Connected Communities (SCC) Planning Grant: Enhanced and Annotated Virtual Presence using Swarms of Collaborating Drones (Co-PI). PI Dr. Sudhanshu Semwal, UCCS College of Engineering and Applied Science., \$149,613 (unfunded; plan to resubmit 2022).
- 2021.** UCCS Office of the Provost Teaching Enhancement Grant, 'Submersible dataloggers,' \$798 (awarded).
- 2021.** Undergraduate Research Academy (URA) Scholarships for two students. San Juan Mountains Rock Glacier Monitoring, Faculty sponsor / mentor, Summer 2021, \$7,000 (awarded).
- 2015.** Friedman Foundation for Educational Choice grant, 'An Examination of the Relationship between School Choice Programs and Private School Populations' PI Dr. Rebecca Theobald and Dr. Dick Carpenter, \$16,793 (funded).
- 2014.** NSF Geomechanics and Geomaterials, 'Development of a Model for the Mechanism of Raveling Failure in Rock Slopes using LiDAR' PI Dr. Norbert Maerz, MO Univ. of Sci. and Tech., Co PIs Dr. Khalid Alshibli, Univ. of TN, Dr. Brandon Vogt, and Dr. Robert Parsons, Univ. of KS, NSF #1335463, \$210,339 (unfunded).
- 2014.** AAG Mel Marcus Fund, 'Mt. Sopris Rock Glacier Research Project, Elk Mountains, CO' PI / Faculty Sponsor Dr. Brandon Vogt with MA student Frank Chimento, \$2,000 (unfunded).
- 2013.** NSF Division of Earth Sciences, Geomorphology, and Land Use Dynamics, 'Rock Glacier Dynamics, San Juan Mountains, Colorado,' PI Dr. Brandon Vogt, Co-PIs Cr. Cerian Gibbes, Dr. Steve Jennings, NSF #1349411, \$210,339 (unfunded).
- 2013.** Institute of Museum and Library Services (IMLS): 'Colorado Springs Pioneers Museum - The Story of Us,' PI John Harner, Dr. Brandon Vogt, contract staff, \$98,677 (unfunded).
- 2012.** National Geographic (NG) Society Research and Exploration Grant, 'Trico Peak Rock Glacier Survey Project' PI Dr. Brandon Vogt, Co-PIs Dr. Cerian Gibbes, Dr. Steve Jennings, NG # 152141, \$6,824 (unfunded).
- 2011.** National Center for Atmospheric Research (NCAR) COMET faculty course: Integrating Satellite Data and Products into Geoscience Courses, fellowship (funded).
- 2009.** NSF Division of Earth Sciences, Instrumentation and Facilities Program Grant Proposal, 'Early Career Development Supported by the Acquisition of a Terrestrial 3D Laser Scanner,' PI Dr. Brandon Vogt, NSF #0929959, \$113,192 (unfunded).

2008. CU System, Cooperative Grant for Senior Assessment, PI Robert Larkin, \$2,500 (funded).
2006. Arizona State University, Graduate and Professional Student Association Travel Grant, \$300 (funded).
2003. Arizona Board of Regents, Learner-Centered Initiatives Grant (with Dr. Ron Dorn, John Douglass), \$15,448 (funded).
1999. State of Arizona Office of Tourism Grant, \$2,000 (funded).
- 1999 - 2001. Arizona State University, Graduate College Travel Grants, \$300 (funded).

AWARDS

2020. Teaching Online Program (TOP) Online Course Design, UCCS, Faculty Resource Center, Badge Holder.
2014. Outstanding Teacher Award, UCCS LAS.
2010. AAG Applied Geography Specialty Group 2010 Class Exercise Award, \$500.
2009. National Geographic Funded Colorado Geographic Alliance (COGA) Outreach, \$1,000.
2008. CU System, President's Teaching and Learning Collaborative (PTLC) Faculty Investigator Award, \$800.
- 2000 - 2003. Arizona State University, University Graduate Scholarship, \$6,000.
2000. NSF Integrative Graduate Education and Research Traineeship (IGERT) Associate, \$1,200.
1997. US Geological Survey, Global Change and Climate History Team On the Spot Award, \$250.
1987. Eagle Scout, National Capital Area Council.
1987. Kodak Nomination of Excellence in Photography, Corcoran Gallery, Washington, DC.

COURSES TAUGHT AT UCCS (*italics = not taught in regular rotation / no longer taught*)

Geography and Environmental Studies

- Environmental Systems: Landforms & Soils (GES 1010)
- Practical Meteorology (GES 3200)
- Principles of Geomorphology (GES 4310/5310 & GEOL 4630/5630)
- Mountain Weather and Microclimate (GES 4XXX/5XXX) spring 2023 debut
- Snowpack Assessment, Silverton, CO (winterim only) (GES 4460/5170)
- Geography Summit (GES 4900)
- Sonic Landscapes (GES 3410/4460, VAPA 3900, HUM 3990, MUS 4960) co-taught w/ Glen Whitehead & Matthew Burtner (UVA)
- Digital Earth* (GES 2050)
- Introduction to Geographic Information Systems* (GES 4050/5050)
- Introduction to Remote Sensing* (GES 4060/5060)
- Image Processing* (GES 4090/5090)

Pre-Collegiate Development Program

- Environmental Systems: Landforms & Soils* (GES 1010)

Freshman First Year Experience Program

- Environmental Systems: Landforms & Soils* (GES 1010)

COURSES TAUGHT EARLY IN CAREER AS INSTRUCTOR OF RECORD AT OTHER INSTITUTIONS

Texas State University - San Marcos, Department of Geography

- Fundamentals of Geographic Information Science (GEO 2426)

Arizona State University, School of Geographical Sciences

- Introduction to Geographic Information Systems (GPH 373/598)
- Silverton, CO Snow & Ice Field Research Experience (GPH 598)

MASTERS STUDENTS

- Austin Routt, MA 2022** (expected), Controlling Factors of Rock Glacier Velocity, San Juan Mountains, Colorado
- Tom Burkhart, MA 2021**, An Interdisciplinary Approach for Introducing Cutthroat Trout to a Post-Wildfire Damaged Stream
- Thaddeus Swan, MA 2019**, Examination of the Owens Cache, Southeast Colorado
- Michael Madsen, MA 2017**, On Landsurface Change Detection using Lidar Datasets of Different Spatial Resolutions: A Case Study Examining Colorado's Waldo Canyon Fire Burn Scar
- Kari M. Pittman, MA 2013**, Between Rock Art and Graffiti: Identifying Culture Change and Ethnic Interactions in the Borderlands of Southeastern Colorado using a Customized Geospatial Typology
- Geoffrey Muhlestein, MA 2012**, An Evaluation of a GIS Based Procedure for Estimating Probable Maximum Precipitation over the

Piru Creek Basin, California, USA

Ryan Hollamby, MA 2011, The Massenerhebung Effect: Exploring Treeline Elevation Differences between the Pikes Peak Massif and the Elk Mountain Range, Colorado, USA

MANUSCRIPT REVIEWER

Applied Geography
The Professional Geographer
Progress in Physical Geography
Geography Compass
Journal of Geography in Higher Education
Disasters Journal
Environmental Management
ISPRS International Journal of Geo-Information
Papers of the Applied Geography Conferences
Geographical Review
International Journal of Digital Earth

PROFESSIONAL ORGANIZATIONS

AAG - Mountain Geography Specialty Group (MGSG) Secretary / Treasurer (2022, 2023)
President - Great Plains / Rocky Mountains Division of AAG (2016)
Board Member and Student Competitions Chair: Applied Geography Conferences (2013 - present)
Member - AAG (1998 - present)
Member - AAG Specialty Groups (present): Mountain Geography, Applied Geography, Climate, Geography Education, Geomorphology, Hazards Risks and Disasters
Member - Colorado Archaeological Society, Pikes Peak Chapter (2018 - 2020)
Observer Volunteer - Community Collaborative Rain, Hail, and Snow Network multi-station volunteer (CoCoRaHS) (2007 - present)
Special Projects - Friends of Red Rock Canyon Open Space (2017)