

DAVID A. PARR

Dartmouth College, Department of Geography, 6017 Fairchild, Hanover NH 03755 USA
Metropolitan State University of Denver, Department of Earth and Atmospheric Sciences, Denver, CO 80217 USA

EDUCATION

- Ph.D in Geographic Information Science.** August 2015. Texas State University, Department of Geography, San Marcos, TX. Dissertation: *The Production of Volunteered Geographic Information: A Study of OpenStreetMap in the United States.*
- M.Sc. in Geography.** August 2008. Texas State University-San Marcos, Department of Geography, San Marcos, TX. Thesis: *Innovation Diffusion in Geographic Information Science Research.*
- B.Sc. in Computer Science.** May 1996. Southern Methodist University, School of Engineering and Applied Sciences, Dallas, TX.

EXPERTISE

Geographic Information Science and GIS Education, spatial thinking and spatial data
Spatial analysis and modeling techniques, Space-Time data analysis
Digital places, geographic social media and virtual spatial knowledge production

ACADEMIC APPOINTMENTS AND EMPLOYMENT

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| 2019-2020 | Visiting Senior Lecturer, Department of Geography, Dartmouth College, Hanover, New Hampshire |
| 2016 -present | Assistant Professor of Geospatial Sciences, Department of Earth and Atmospheric Sciences, Metropolitan State University of Denver, Denver, Colorado
(on leave 2019-2020) |
| 2016 | Instructor and GIS Certificate Coordinator, Department of Geography, University of Colorado Boulder, Boulder, Colorado |
| 2015-2016 | Adjunct Instructor, Department of Geography, South Dakota State University, Brookings, South Dakota |
| 2013-2014 | Adjunct Instructor, Department of Geography and GIS, Austin Community College, Austin, Texas |
| 2013 | Adjunct Instructor and Assistant Director for Germany GIS Study Abroad, Department of Geography, Texas State University, San Marcos, Texas |
| 2009-2013 | Graduate Assistant, Department of Geography, Texas State University, San Marcos, Texas |

HONORS AND AWARDS

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| 2018 | Outstanding Faculty Award, Department of Earth and Atmospheric Sciences, Metropolitan State University of Denver |
| 2017 | Excellence in Teaching Award. Sigma Alpha Pi, The National Society for Leadership and Success, Metropolitan State University of Denver |
| 2011 | The Pearson Outstanding Graduate Student Publication Award. Department of Geography, Texas State University-San Marcos, San Marcos, TX. |
| 2008 | University Consortium of Geographic Information Science Student Paper Award (2 nd place), Minneapolis, MN. |

(UPDATED JUNE 2019)

PUBLICATIONS AND RESEARCH EXPERIENCE

Refereed Journal Articles

- Parr, David A. 2015. "Crisis Mapping and the Nepal Earthquake: The Impact of New Contributors" *Kartographische Nachtern* 2015(3).
- Parr, David A. and Michael Scholz. 2015. "Building a Low-Cost Geographic Website for Collecting Citizen Science Contributions" *Papers in Applied Geography* 1(3): 1-7.
- Earl, Richard A., David A. Parr, and Eddie Wilcot. 2013. "The Edwards Aquifer and Changes in the San Antonio, Texas Water Supply, 1993-2013." *Papers of the Applied Geography Conference* 36: 299-308.
- Dittmer, Jason, and David A. Parr. 2011. "Mediating Sovereignty: a comparative latent semantic analysis of US newspapers and conflicts in Kosovo and South Ossetia" *Media, Conflict and War* 4(2): 124-141.
- Parr, David A., and Yongmei Lu. 2010. "The landscape of GIScience publications 1997-2007: an empirical investigation with latent semantic analysis." *Transactions in GIS* 14(5): 689-708.

Book Chapters

- Dittmer, Jason and David A. Parr. 2011. "Mediating Sovereignty: A comparative latent semantic analysis of US newspapers and conflicts in Kosovo and South Ossetia." In **Stabilization and Progress in the Western Balkans**, Mäder, U, Simko, D (eds.), Bern: Peter Borg. P. 11-40.

Invited Talks

- Parr, David A. "The Devil Is in the Details: Some Lessons on Lesson in GIS." National Center for Atmospheric Research GIS Brighte Workshop. Boulder, Colorado. June 5, 2017.
- Parr, David A. "Data Quality and the Crowd: VGI for Mapping, Social Networking, and Citizen Science" for the Department of Geography, Oklahoma State University, Stillwater, Oklahoma. September 14, 2015.
- Parr, David A. "The Humanitarian OpenStreetMap Team and the Earthquake in Nepal: Data Quality and the Crowd" at the Geospatial Amateurs Meetup, Denver, Colorado. August 11, 2015.
- Parr, David A. "Measuring Research Directions in Geographic Information Science" at a Brown Bag research talk, Department of Geography, Texas State University-San Marcos, San Marcos, Texas. October 2, 2009.

Papers Presented at Professional Meetings

- Parr, David A. "The Effectiveness of GPS Field Exercises in Higher Education" at the Annual Meeting of the American Association of Geographers, Boston, Massachusetts. April 8, 2017.
- Parr, David A. "New Contributors and the Nepal Earthquake: Data Quality and the Crowd" at the State of the Map US. Boulder, Colorado. October 21, 2017.
- Parr, David A. "One Year Later: The Nepal Earthquake and the Humanitarian OpenStreetMap Response." At the Annual Meeting of the Great Plains / Rocky Mountain American Association of Geographers Division. Colorado Springs, Colorado. October 22, 2016.
- Parr, David A. and Yongmei Lu. "Classifying Twitter Users with the Activity-Context-Geography Model" at the International Conference on Location-based Social Media. Athens, Georgia. March 13, 2015.

- Parr, David A. and Michael Scholz. “Building a Low-Cost Geographic Website for Citizen Science Contributions” at the Applied Geography Conference. Atlanta, Georgia. October 15, 2014.
- Parr, David A. “The Uneven Distribution of Volunteered Geographic Information” at the Association of American Geographers Annual Meeting. Tampa, Florida. April 8, 2014.
- Parr, David A. “What’s Mappable? Factors in the Growth of Volunteered Geographic Information” at the Association of American Geographers Annual Meeting. New York, New York. February 25, 2012.
- Parr, David A. “Using Volunteered Geographic Information to Teach Spatial Thinking” at the National Council for Geographic Education Annual Conference. Portland, Oregon. August 7, 2011.
- Parr, David A. “Types of Volunteer Geographic Information Contributors and Their Accuracy” at the Association of American Geographers Annual Meeting. Seattle, Washington. April 12, 2011.
- Parr, David A. “Characteristics and Accuracy of Volunteered Geographic Information Contributors” at the Volunteered Geographic Information Pre-Conference. Seattle, Washington. April 11, 2011.
- Parr, David A. “Characteristics and Accuracy of VGI Contributors” at the Texas Geography Student Research Symposium. San Marcos, Texas. February 17, 2011.
- Parr, David A. “Migration into the Thirdspace” at the Association of American Geographers Annual Meeting. Las Vegas, Nevada. March 26, 2009.
- Parr, David A. “Measuring Research Directions in Geographic Information Science” at the International Geographic Union Congress. Tunis, Tunisia. August 14, 2008.
- Parr, David A. “Measuring Research Directions in Geographic Information Science Using Latent Semantic Analysis” at the University Consortium of Geographic Information Science Summer Meeting. Minneapolis, Minnesota. June 24, 2008.

Panels Organized at Professional Meetings

- Parr, David A. and Sara Jackson-Shumate. “Promises and Pitfalls of Undergraduate Research” at the American Association of Geographers Annual Meeting. Washington, DC. April 4, 2019.
- Parr, David A. "Career Development Academy" at the GIS in the Rockies, Denver, Colorado. September 21, 2017.
- Parr, David A. and Laura Cano-Amaya. “Welcome to the AAG Annual Meeting! A discussion on navigating and making the most of the conference” at the Association of American Geographers Annual Meeting, April 8, 2014, Tampa, Florida.
- Dittmer, Jason and David A. Parr. “The Graduate Student Affinity Group Plenary featuring Jason Dittmer: How Graduate School Set Me Up For Success/Failure” at the Association of American Geographers Annual Meeting, April 10, 2013, Los Angeles, California.
- Parr, David A. “The Graduate Student and the Geography Department: Issues in Graduate School” at the Association of American Geographers Annual Meeting, April 10, 2013, Los Angeles, California.
- Parr, David A. “Getting Your First Academic Job” at the Association of American Geographers Annual Meeting, February 2012, New York, New York.
- Parr, David A. “Volunteered Geographic Information: Problems, Progress, and Possibilities” at the Texas Geography Student Research Symposium. San Marcos, Texas. February 17, 2012.

Posters Presented at Professional Meetings

- Parr, David A., Miller, Brandon. "Are Streets Named Long Street Longer Than Streets Named Short Street?" at the Association of American Geographers Annual Meeting. New Orleans, LA. April 13, 2018.
- Clark, Daniel, David Parr, Sarah Schlieman, Randi Brazeau. "Spatiotemporal Temporal Analysis of Nutrient Concentrations Along the South Platte River Using Distance Time Weighted Regression" at the GIS in the Rockies. Denver, Colorado. September 20, 2017.
- Mullins, Emily, Sarah Schliemann, Randi Brazeau, David Parr, and Daniel Clark. "Urban Water Quality and Bacterial Loading in the South Platte River." Portland, Oregon. August 8, 2017.
- Mullins, Emily, Sarah Schliemann, Randi Brazeau, David Parr, and Daniel Clark. "Characterizing Water Quality of the South Platte River from Waterton Canyon through Brighton, Colorado" University Council on Water Resources (UCOWR). Fort Collins, Colorado. June 13, 2017.
- Parr, David A. "The Characteristics and Quality of OpenStreetMap Contributors" at the Association of American Geographers Annual Meeting. Los Angeles, California. April 12, 2013.
- Parr, David A. "The Characteristics and Quality of OpenStreetMap Contributors" at the Texas Geography Student Research Symposium. San Marcos, Texas. March 22, 2013.
- Driver, Laura and David A. Parr. "Where would Batman live in Austin, Texas? Teaching GIS in K-12 Schools" at the Southwest Association of American Geographers meeting. Austin, Texas. November 11, 2011.
- Parr, David A. "Has Growth Affected Water Quality in Austin, Texas?" at the Association of American Geographers Annual Meeting. Denver, Colorado. April 7, 2005.

Students Advised in Research

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| 2019 | Petersen, Anya. Project: Delineating Anti-Fracking School Zones in Boulder County, Colorado (Undergraduate Research) |
| 2018 | Clark, Matt. Project: Modeling Cougar Paths from South Dakota to New England. (Undergraduate Research) |
| 2018 | Reynolds, Joshua. Project: Multiscale Analysis of Urban Heat Islands. (Undergraduate Research) |
| 2018 | Jacobus, Raymond "Todd". Project: Over- and Under- representation of Place in News Media: A Spatiotemporal Analysis. (Undergraduate Research) |
| 2017 | Miller, Brandon. Project: Are Streets Named Long Street Longer Than Streets Named Short Street? (Undergraduate Research) |
| 2017-2018 | Clark, Daniel. Project: Spatial Analysis of Platte River Water Quality Factors. (Undergraduate Research) |
| 2017-2019 | Buckman, Joshua; Jones, Keith; Randall, Jason. Project: Know Colorado: A Web Map App for Testing A Citizen's Knowledge of Their Neighborhood (Undergraduate Research) |

Grants

- 2018 Brazeau, Randi (Principal), Bernhardt, Philip (Co-Principal), Parr, David (Co-Principal). "**NSF IUSE Grant – BRIDGES: Building Research and Integrating Diversity in Geosciences, Education, and STEM at an Urban Emerging Hispanic Serving Institution.**" Sponsored by National Science Foundation (NSF). \$300,000. (Submitted September 2018 and Not Funded)
- 2018 Google Cloud Platform Grant for Project: **Over- and Under- representation of Place in News Media: A Spatiotemporal Analysis.** Sponsored by Google. \$%) (Written and Funded)
- 2017 Parr, David A (Principal), "**Spatial and Temporal Multiscale Analysis of Urban Heat Islands in Denver, Colorado,**" Sponsored by College of Liberal Arts and Sciences, MSU Denver, Metropolitan State University of Denver, \$1,000.00. (Written and Funded)

TEACHING EXPERIENCE

Courses taught at Dartmouth College

Geographic Information Systems (GEOG 50)

Courses taught at Metropolitan State University of Denver:

Geographic Information Systems (GIS 2250)
 Cartography (GIS 3250)
 Directed Study in GIS (GIS 3920)
 Spatial Modeling in Raster (GIS 4850)
 Web Mapping (GIS 3410)
 GIS Programming (GIS 4810)
 Spatial Databases (GIS 4870)
 Internship in Geography (GEG 4950)
 Internship in Environmental Science (ENV 4950)
 Internship in Geology (GEL 4950)
 Internship in Meteorology (MTR 3710)
 Advanced Directed Study in GIS (GIS 4920)

Courses taught at the University of Colorado Boulder

Mapping our Changing World (GEOG 2053)
 Cartography (GEOG 3053)
 Statistics for Geography (GEOG 3023)

Courses taught at South Dakota State University:

GIS Data and Integration (GEOG 473 / GEOG 573)
 Vector and Raster Data Modeling (GEOG 474 / 574)

Courses taught at Austin Community College:

Introduction to Geographic Information Systems (GEOG 2470)
 Advanced Spatial Analysis in GIS (GEOG 2471)

Courses taught at Texas State University:

Fundamentals of GIS (GEO 2426)
 Advanced GIS (GEO 3426)
 Regional Field Studies (Kiel, Germany Study Abroad) (GEO 4310)
 GIS Design and Implementation (Kiel, Germany Study Abroad) (GEO 4427)
 GIS I (GEO 5418 / GEO 7417) (Graduate Level)

Invited Teaching Guest Lectures

Parr, David A. “GIS and Criminal Justice” in Criminal Justice, Metropolitan State University of Denver, April 4, 2018.
 Parr, David A. “GIS and Anthropology” in Anthropology Field Studies, Metropolitan State University of Denver, February 9, 2018.
 Parr, David A. “Time Management and Dealing with Students” in Teaching Practicum, Texas State University-San Marcos, September 27, 2012.
 Parr, David A. “Lab 7: Data Analysis” in GIS I, Texas State University-San Marcos, March 7, 2012
 Parr, David A. “Practicing Patience with Students” in Teaching Practicum, Texas State University-San Marcos, October 6, 2011.
 Parr, David A. “Europe: An I’s View” in World Geography, Texas State University-San Marcos, October 5, 2010
 Parr, David A. “Data Entry and Acquisition” in GIS I, Texas State University-San Marcos, September 15, 2010

OTHER PROFESSIONAL ACTIVITIES

Workshops Led

“Open Source GIS Workshop”, Auraria Library, February 28 – April 13, 2017.
 “GIS activities for Secondary Science Teachers”, Englewood Public Schools. March 10, 2017.
 “Virtual Python Programming Workshop” (an online 3-week course), Texas State University. San Marcos, Texas. October 15-31, 2013.
 “Programming Python for GIS” (a 4-week course), Texas State University-San Marcos. San Marcos, Texas. October 4-25, 2011.
 “Open Source GIS”, Texas State University-San Marcos. San Marcos, Texas. November 6, 2009.

Professional Service

Education Chair, GIS in the Rockies 2017 Conference, Denver, Colorado (2016-2017)
 Student Representative, **Association of American Geographers (AAG) Council**, Spring 2013.
 Chair, **Graduate Student Affinity Group**, Association of American Geographers, 2012-2013

Media Appearances

9 News Denver. “There are lots of places to get high in Colorado. Here’s where you can get low.” Author: Allison Sylte. August 21, 2018.

Professional Organizations

The Association of American Geographers

Graduate Student Affinity Group, Association of American Geographers

Geographic Information Systems and Science Specialty Group, Association of American Geographers

Spatial Analysis and Modeling Specialty Group, Association of American Geographers

SIGSPATIAL, Association for Computing Machinery

The Urban and Regional Information Systems Association (URISA)

GIS Colorado

Rocky Mountain URISA