

Summary of Qualifications

- **Six years** professional experience and **nine years** of teaching in multi-disciplinary teams and encompassing a range of geographic scales.
- Over **nine years** of curriculum development and delivery in geodesign, geographic information systems (GIS), landscape architecture, environmental design, and urban and regional planning regarding topics of sustainability and resiliency.
- Research and course development topics: **social justice** (e.g. accessibility of parks and recreation, food systems, and bicycle infrastructure); **sustainability and resiliency**; **hazards** (wildfire and flooding); **systems thinking** (land development, stormwater management, pollinator habitat, and transportation); **urban growth**; **geospatial methods**; and advanced communication.

Education

Ph.D. The University of Colorado Denver Fall 2011 – expected Dec 2017/Spring 2018	PhD in Design and Planning, Sustainable and Healthy Environments. College of Architecture and Planning Major area of emphasis: design and planning ecosystem services. Minor area of emphasis: spatial analysis and modeling. (Advisor: Austin Troy, Ph.D.)
MSLA The Pennsylvania State University 2008 – December 2011	Master of Science in Landscape Architecture Thesis: <i>Communicating Future Scenarios: Developing an interactive, participatory internet-based tool for ecological planning.</i> (Advisor: Timothy Murtha, Jr, Ph.D.) International Study (2009): Cesta do Czech- Czech Republic
Professional BLA The Pennsylvania State University 1997 – 2002	Professional Bachelor Degree in Landscape Architecture. International Study (2001): Sede di Roma Program - Italy

Teaching Experience

Faculty Associate – University of Wisconsin-Madison

Land Arc 451 <i>Open Space Planning and Design (Undergraduate)</i> Spring 2017	Land Arc 631 <i>Geodesign Methods (Graduate)</i> Spring 2014 – Spring 2016
Land Arc 671 <i>Geodesign for Sustainability and Resiliency (Post-Baccalaureate)</i> Spring 2014 – Fall 2016	Land Arc 634 <i>Geodesign Capstone (Post-Baccalaureate)</i> Spring 2014 – Spring 2016
Land Arc 462 <i>Regional Design Studio (Undergraduate)</i> Fall 2014 – 2017	

Full-Responsibility Instructor

LDAR 6686 <i>Introduction to GIS (Graduate)</i> University of Colorado Denver: Fall 2013	MURP Planning Workshop (Graduate) University of Colorado Denver: Summer 2013 – Fall 2013
ENVD 3152 <i>GIS (Undergraduate)</i> University of Colorado Boulder: Summer 2012	ENVD 4352 <i>Geodesign and the Web (Undergraduate)</i> University of Colorado Boulder: Spring 2012
LArch 151 <i>Introduction to Design Visualization – freehand and perspective drawing (Undergraduate)</i> The Pennsylvania State University: Fall 2010	Accreditation Assistant <i>The Pennsylvania State University Landscape Architecture Self Evaluation Report for Bachelor Degree Accreditation</i> The Pennsylvania State University: Fall 2010



Teaching Assistant/Instructor

(facilitated curriculum development and delivery, but was not instructor of record).

ENVD 4363 *Open Space Systems Studio (Undergraduate)*
University of Colorado Boulder: Maymester 2013

ENVD 2130 *Landscape Design Studio (Undergraduate)*
University of Colorado Boulder: Spring 2013

LDAR 5502 *Landscape Design Studio II (Graduate)* FCQ – 4.7 out of 5.0 (Dept. avg. 4.2. Univ. avg. 4.2) University of Colorado Denver: Spring 2013

ENVD 3124 *Issues in Planning History (Undergraduate)*
University of Colorado Boulder: Fall 2012

ENVD 2120 *Environmental Urban Design Lab/Studio: Sustainable Design (Undergraduate)*
University of Colorado Boulder: Fall 2012

LArch 332 *Landscape Architectural Design Implementation II Studio - Planting Design (Undergraduate)*
The Pennsylvania State University: Spring 2010

Teaching Assistant

ARCH 3114 *Architectural History (Undergraduate)*
University of Colorado Boulder: Fall 2013

ENVD 2120 *Environmental Urban Design Lab/Studio – Sustainable Design (Undergraduate)*
University of Colorado Boulder: Fall 2010

LArch 321 and 311 *Regional Site Planning and Design Seminar and Studio (Undergraduate)*
The Pennsylvania State University: Fall 2009

LArch 341 *Plants, Places, People an ecosystem approach to design, planning, and management of the land (Undergraduate)*
The Pennsylvania State University: Fall 2008

Research Experience

Research Assistant
The University of Colorado Boulder
August 2011 – January 2014

Phenology and Heat Island Effect of Green Infrastructure in Cities: A window into ecosystem services in urban environments

Research Assistant
The University of Colorado Denver
May 2013 – January 2014

Wildfire assessment of historic vegetation maps and spatial analysis of Rocky Mountain National Park.

Co-Principal Investigator
The University of Colorado Boulder
May 2013 – January 2014

Visitation and Use on Boulder County's Regional Trails

Principal Investigator
The Access Fund/Boulder Climbing Community
May 2012 - September 2013

Boulder Canyon User Study

Research Assistant
The University of Colorado
August 2011 - August 2012

City of Boulder/University of Colorado Sustainability Indicators Project

Research Assistant
The University of Colorado Boulder
Spring 2012

GIS Assistant

Research Assistant
The University of Colorado Boulder
Spring 2012

Urban Futures Lab Assistant



Research Assistant The Pennsylvania State University Summer 2010	<i>The Art of Envisioning Landscape (Umění Předvidání Terénu)</i>
Research Assistant The Pennsylvania State University Summer 2010	<i>2011 Exhibition: Re-collections and Re-visions</i>
Research Assistant The Pennsylvania State University Fall 2009 - Spring 2010	<i>geoSPATIAL DESIGN: GIS, RELATIONAL DATABASES, AND DEDICATED COMPUTING.</i>
Research Assistant The Pennsylvania State University Fall 2008 - Spring 2009	<i>Integrating Information: Bridging the Gap Between Geographic Information Systems and Building Information Modeling</i>

Professional Experience

Layout Editor The Pennsylvania State University May 2011 – March 2014	<i>Wetland Science and Practice Journal</i>
Consultant Computer Terrain Mapping July 2013 - September 2013	<i>Pea Ridge National Military Park</i>
Project Manager Frederick Seibert & Associates, Inc. Jan. 2003 - Aug. 2008	Managed all aspects of the design process from conceptual design through construction administration — for projects ranging from regional planning to residential garden design. Total constructed projects exceed \$500,000,000 dollars in construction costs.
Designer Frederick Seibert & Associates, Inc. May 2002 - Jan 2003	

Publications

- Muller, Brian and **Travis Flohr**. “A Geodesign Approach to Environmental Design Education: Framing the Pedagogy, Evaluating the Results.” *Landscape and Urban Planning – Special Issue*. (In press, available online 14 September 2016)
- Rigolon, Alessandro and **Travis Flohr**. “Access to Parks for Youth as an Environmental Justice Issue: Access Inequalities and Possible Solutions.” *Buildings*. 2014; 4(2): 69-94. Invited special issue publication.

Refereed Book Chapters

- Muller, Brian, **Travis Flohr** and Mehdi Heris. 2013.
Urban Morphology and Heat: Exploring the Relationships. In Francesco Moccia and Maria Dederica Palenstino (ed.) *Planning Stormwater Resilient Urban Open Spaces*. CLEAN, 2013

Professional Reports

- Flohr, Travis** and Stacey Schulte. *Visitation and Use on Boulder County's Regional Trails* (Boulder County, CO: Boulder County Parks and Open Space, 2013).
- Flohr, Travis**. *Boulder Canyon User Study* (Boulder, CO: Access Fund, 2013).



Non-Refereed Publications

Flohr, Travis. "Communicating Design." *Landscape Architecture Foundation Blog*. Posted January 10, 2011. <http://lafoundation.org/news-events/blog/2011/01/10/osp-travis-flohr/>. (Invited blog post).

Flohr, Travis. "A Landscape Architect's Review of Building Information Modeling Technology." *Landscape Journal: design, planning, and management of the land* 30.1 (2011): 169-170.

Flohr, Travis, Steve Zoretich, and Andy Kalback. "Washington County Hospital" in *Celebrating 100 Years of Landscape Architecture Excellence at Penn State*. Edited by Mike Shamalla, Tim Padalino, and Adam McGuire, 62. Penn State Department of Landscape Architecture, 2007.

Publications Under Review (accepted with revisions)

N/A

Publications Under Revision

N/A

Publications Under Preparation for Submission

Flohr, Travis and Timothy Murtha, Jr. Working title – "GIS Pedagogy: a landscape architecture studio based approach for applied GIS instruction." Expected submittal date: Spring/Summer 2018.

Refereed Presentations

Flohr, Travis. "Flipping a regional design studio: teaching GIS through an applied studio project in a flipped studio setting." *Council of Educators in Landscape Architecture Conference*, March 21-25, 2018, Blacksburg, VA. (Under review)

Flohr, Travis. "A path to wildfire resilient landscapes: changing the wildfire risk modeling paradigm." *Environmental Design Research Association*, May 31-June 3, 2017, Madison, WI.

Flohr, Travis. "Resilient pollination design: creating pollinator habitat typologies." *Wisconsin Chapter of the American Society of Landscape Architects Annual Conference*, March 2-3, 2017, Milwaukee, WI.

Flohr, Travis. "Evaluating CWWP effectiveness: wildland fire and defensible space." *Council of Educators in Landscape Architecture Conference*, March 23-26, 2016, Salt Lake City, UT.

Flohr, Travis and Michael Hinke. "Eyes on the Street: a geodesign process for evaluating eyes on the street." *esri User Conference*, July 20-24, 2015, San Diego, CA.

Flohr, Travis. "Geodesign: new or old and UW-Madison Department of Landscape Architecture geodesign initiatives." *2015 UW-Madison Geospatial Alliance Summit*, April 20, 2015, Madison, WI.

Rigolon, Alessandro and **Travis Flohr.** "Methodological trends in planning: qualitative approaches in transformative mixed research studies." *2014 ACSP Congress*, October 30-November 2, 2014, Philadelphia, PA.

Muller, Brian and **Travis Flohr.** "Geodesign Education..." *2014 International Association for China Planning (IACP) Conference*, October 21-22, 2014, Guangzhou, China.

Flohr, Travis. "Flipping the classroom: teaching introduction to GIS as an applied geodesign project within Aurora, Colorado." *2014 UW-Madison Geospatial Alliance Summit*, April 24, 2014, Madison, WI.

Rigolon, Alessandro and **Travis Flohr.** "Exploring children and youth's accessibility to urban green spaces: a GIS study measuring access opportunities for formal and informal Play." *2013 Joint AESOP/ACSP Congress*, July 15-19, 2013, Dublin, Ireland.

Muller, Brian, Mehdi Heris, and **Travis Flohr.** "Urban Morphology and Heat: Exploring the relationships." *2012 The Association of Collegiate Schools of Planning*, November 1-4, 2012, Cincinnati, Ohio.



Muller, Brian, **Travis Flohr**, and Mehdi Heris. "Heat and city design: reassessing the relationship between urban heat island effects and built morphology." *2012 Association of European Schools of Planning*, July 11-15, 2012, Ankara Turkey.

Wessman, Carol, Brian Muller, Brian Buma, **Travis Flohr**, Mehdi Heris, and Mahda Mohammadbagher. "Phenology of green infrastructure in cities: A window into ecosystem services in urban environments." *2012 Ecological Society of America*, August 5-10, 2012, Portland Oregon.

Muller, Brian, Mehdi Heris, **Travis Flohr**, Saharnaz Mirzazad, Mahda Mohammadbagher, Daryoosh Ardan, and Sam Assefa. "Measuring Sustainable Urban Form: Developing metric and indicators for the City of Boulder, CO." *52nd Annual Association of Collegiate Schools of Planning Conference: ENVISION*, October 13-16, 2011, The University of Utah.

Flohr, Travis, Timothy Joice, and Ceci Rusnak. (2010). "Encountering Czech Agricultural History in a Community Engagement Studio." *2010 Agricultural History Society Conference*, June 10-12, Winter Park, Florida.

Flohr, Travis and Timothy Murtha, Jr. (2010). "Participatory Planning: A look at website content and interactivity to maximize educational potential." *2009-2010 Council of Educators in Landscape Architecture Conference*, May 12-14, Maastricht, Netherlands.

Invited Guest Lectures

Flohr, Travis (March 7, 2017). Geodesign: a framework for evaluating design. Lecture conducted for The University of Wisconsin-Madison, Madison, WI Engineering and Professional Development Program.

Flohr, Travis (Aug 18, 2016). Designing and planning sustainable and resilient communities. Lecture presented at the UW-Madison Landscape Architecture and Planning merger workshop. University of Wisconsin-Madison, Madison, WI.

Flohr, Travis (Oct 16, 2015). Sustainability and resiliency: A design and landscape-planning problem? Lecture presented at the Sustainable Landscapes in the Built Environment Workshop. University of Wisconsin-Madison, Madison, WI.

Flohr, Travis (September 30, 2015). Sustainability: The role of a landscape architect and planner. Lecture conducted for the Sustainability Leadership Program – Edgewood College. Madison, WI.

Flohr, Travis (March 10, 2015). Geodesign: a framework for evaluating design. Lecture conducted for The University of Wisconsin-Madison, Madison, WI Engineering and Professional Development Program.

Flohr, Travis (January 30, 2015). Geodesign: A framework to evaluate design's impacts. *Landscape Inventory and Evaluation Methods*. Lecture conducted for The University of Wisconsin-Madison, Madison, WI Department of Landscape Architecture.

Flohr, Travis (November 21, 2014). Geodesign: A framework to evaluate design's impacts. *Introduction to GIS*. Lecture conducted for The University of Colorado Denver, Denver, CO Department of Landscape Architecture.

Rigolon, Alessandro and **Travis Flohr**. (June 7, 2013). Access to Green Spaces for Children. *Sustainability Indicators: The City of Boulder-Environmental Design Program Partnership*. Lecture conducted for The City of Boulder Parks and Recreation Department, Boulder, CO.

Flohr, Travis and Stacey Schulte. (June 7, 2013). Trail and Recreation Use. *Sustainability Indicators: The City of Boulder-Environmental Design Program Partnership*. Lecture conducted for The University of Colorado Boulder, Boulder, CO.

Flohr, Travis and Alessandro Rigolon. (June 7, 2013). Access to Green Spaces for Children. *Sustainability Indicators: The City of Boulder-Environmental Design Program Partnership*. Lecture conducted for The University of Colorado Boulder, Boulder, CO.

Flohr, Travis. (June 7, 2013). Habitat Fragmentation and Subdivisions. *Sustainability Indicators: The City of Boulder-Environmental Design Program Partnership*. Lecture conducted for The University of Colorado Boulder, Boulder, CO.



Flohr, Travis. (April 04, 2013). GIS and Sustainable Development. *Sustainable Community Development II*. Lecture conducted for The University of Colorado Boulder, Boulder, CO.

Flohr, Travis (November, 15, 2012). Environmental Impact Assessment: A case study using the Maryland Forest Conservation Ordinance. *Environmental Impact Assessment*. Lecture conducted for The University of Colorado Boulder, Boulder, CO.

Flohr, Travis. (November 14, 2012). Evaluating Design and Policies: Spatially understanding complex systems. *Introduction to GIS*. Lecture conducted for The University of Colorado Denver, Denver, CO.

Posters

Gallaher, Samuel, Alessandro Rigolon, **Travis Flohr**, and Pawinee Chuayprakong. (2013). “Bike Share Equity and Efficiency: A Mixed Methods Approach.” Poster presented at the *16th Annual Research and Creative Activities Symposium*. University of Colorado, Denver, April 19, 2013.

Buma, Brian, Brian Muller, Carol Wessman, **Travis Flohr**, Mehdi Heris, and Mahda Mohammadbagher. (2012). “Assessing the Benefits of Green Infrastructure: The Dynamics of Landscape Decision, Built Morphology, and Ecosystem Services.” Poster presented at the *2012 United States Regional Association of the International Association for Landscape Ecology: Informing Decisions in a Changing World Annual Symposium*. Newport, Rhode Island, April 8-12, 2012.

Buma, Brian, **Travis Flohr**, Mehdi Heris, Mahda Mohammadbagher, Daryoosh Ardalan, Brian Muller, and Carol Wessman. (2012). “Phenology of Green Infrastructure in Cities: A window into ecosystem services in urban environments.” Poster presented at the *2012 Front Range Student Ecology Symposium*. Colorado State University, Fort Collins, Colorado, February 21-22, 2012.

Wessman, Carol, Brian Muller, Brian Buma, Mehdi Herris, **Travis Flohr**, Mahda Mohammadbagher, and Daryoosh Ardalan. (2012). “Phenology of Green Infrastructure in Cities: A window into ecosystem services in urban environments.” Poster presented at the Spring 2012 *Cooperative Institute for Research in Environmental Sciences: Innovative Research Program Poster Session*. University of Colorado Boulder, Boulder, Colorado.

Flohr, Travis and Timothy Murtha. (2010). “Communicating Future Scenarios: Developing an interactive, participatory internet-based tool for ecological planning.” Poster presented at the 2010 *Penn State Graduate Exhibition*, March 28, 2010, University Park, Pennsylvania.

Exhibitions

Flohr, Travis (2011). “LAYERS (Vrstvy).” Exhibited in *2011 Exhibition: Re-collections and Re-visions*. Curated by Cecilia Rusnak and Ann Tarantino. Vyšehrad Gallery, Prague, Czech Republic.

Grants, Scholarships, and Contracts

Flohr, Travis. (2017). *UW-Madison Professional Development Grant*. (\$1,077.46 – under review)

Bauer-Armstrong, Cheryl, Maria Moreno. Co-investigator **Travis Flohr**. (2016). *Monarch Butterfly Conservation Fund*. National Fish and Wildlife Foundation. (\$310,000 – not funded).

Sirek, Dolores. Advisor and content provider: **Travis Flohr**. (2016). *Virtual reality (VR) simulation activities in online or blended learning programs and courses*. UW-Madison Education Innovation Small Grant Proposal. (\$7,200).

Flohr, Travis. (2015). *Distance Teaching and Learning Conference*. Obtained a scholarship to attend the conference from the University of Wisconsin-Madison Division of Continuing Studies. (\$445)

Flohr, Travis and Stacey Schulte. (2013). *Visitation and Use on Boulder County's Regional Trails*. Small Grant Proposal to Boulder County Parks and Open Space. Boulder County, Colorado. (\$9,000).

Hinke, Michael, **Travis Flohr**, and Nader Afzalan. (2013). *Software Training for Designers and Planners – Department of Planning and Design, University of Colorado Denver Fall 2013*. Department of Planning and Design, College of Architecture and Planning University of Colorado, Denver. (\$6,000)



Beck, Jody. (2013). *Inventory of Urban Agricultural Potential for the Denver Metropolitan Area*. Center for Faculty Development University of Colorado, Denver. (\$10,000 - not funded, role of research assistant).

Derr, Victoria, John Lanterman, and **Travis Flohr**. (2013). *Sustainable and Productive Landscapes: Exploring the Potential for Learning Laboratories on the CU Campus and Boulder Community*. University of Colorado, Boulder SEED Grant Program University of Colorado, Boulder. (\$47,650 - not funded).

Flohr, Travis. (2012). *Fall 2013 EPA Science to Achieve Results (STAR) Fellows*. Environmental Protection Agency. (\$84,000 - not funded, received two excellent and one very good review).

Flohr, Travis. (2011). *Fall 2012 EPA Science to Achieve Results (STAR) Fellows*. Environmental Protection Agency. (\$84,000 - not funded, received one excellent and two very good reviews).

Student supervision

Land Arc 999 University of Wisconsin-Madison Fall 2017	Independent Study: Micah Kloppenburg – <i>Prairie Design Process and Skills</i>
GEODZ 596A and 596B The Pennsylvania State University Spring 2017 – Summer 2017	Professional Masters Project Advisor: Amy Ording - <i>A Watershed Engaged: A Motivative Approach to Intelligent Management of Earth Resources</i>
Land Arc 299 University of Wisconsin-Madison Spring 2016	Independent Study: Leah Heinzelmann – <i>Designing University Pollinator Habitat</i>

Service

Departmental University of Wisconsin-Madison Spring 2015 - present	<i>Undergraduate Curriculum Committee</i> Served as chair of the committee from Fall 2015 to Summer 2017.
Departmental University of Wisconsin-Madison Spring 2015 – Summer 2016 and Summer 2017 - present	<i>Facilities Committee</i>
Discipline 2016	<i>2016 CELA Conference Publication Peer Reviewer</i>
Departmental University of Wisconsin-Madison Fall 2015 – Spring 2016	<i>Reorganization/Visioning Committee</i>
Departmental University of Wisconsin-Madison Spring 2015 – Spring 2016	<i>Geodesign Program Committee</i>
Departmental University of Wisconsin-Madison Spring 2015 – Fall 2015	<i>Awards, Scholarships, and Promotions Committee</i>
Departmental University of Wisconsin-Madison Spring 2015 – Fall 2015	<i>Website Administration</i>
University University of Wisconsin-Madison Spring 2015	<i>Landscape Master Plan Focus Group</i>



University University of Wisconsin-Madison Spring 2015	<i>ISIS CRM Software Focus Group</i>
University University of Wisconsin-Madison Fall 2014 – Spring 2015	<i>Online Tuition Committee</i>
University University of Colorado Denver 2013	<i>GIS and Technology in Design and Planning Certificate Advisory Board Member</i>
University The Pennsylvania State University 2010	<i>The Master Gardener Program Lecturer</i>
Discipline 2011	<i>2011 CELA Conference Publication Peer Reviewer</i>
Discipline 2003-2008	<i>Frederick Seibert & Associates, Inc. High School Student Work Study Mentor</i>

Awards and Honors

ASLA Student Merit Award Pennsylvania-Delaware Chapter Spring 2010	The American Society of Landscape Architecture Student Merit Award
Creative Achievement Award The Pennsylvania State University Spring 2010	The Pennsylvania State University, College of Arts and Architecture Landscape Architecture Graduate Student Creative Achievement Award
Olmsted Scholar The Pennsylvania State University Spring 2010	2010: Penn State Olmsted Scholar
Penn State Graduate School Poster Exhibition The Pennsylvania State University Spring 2010	The Pennsylvania State University Graduate Student Poster Exhibition: 2nd Place Finisher (\$250.00 Prize)
Golden Key The Pennsylvania State University Fall 2008 - Spring 2009	A Golden Key International Honour Society inductee by placing in the top 15% of my class at The Pennsylvania State University.

License(s), Membership(s), and Affiliation(s)

ASLA 2002-2008 and 2014-2016	American Society of Landscape Architecture
CLARB 2002-2008	Council of Landscape Architecture Registration Board
RLA 2007 - 2013	Registered Landscape Architect: Pennsylvania

Professional Training

Teach Online@UW: Plan and Design Spring 2015	University of Wisconsin-Madison Division of Continuing Studies
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Wetland Delineation Field Practicum May 22-23, 2004	Wetland Training Institute
Wetland Delineation Certification Program May 17-21, 2004	Wetland Training Institute
Maryland Forest Conservation Qualified Professional Training May 17, 2003	Carroll County Community College

Computer Skills

ESRI's ArcGIS Desktop, ESRI's CityEngine, Adobe Master Collection, AutoCAD, open-source GIS (Grass and QGIS), web GIS (Google Earth, Google Maps, PostGIS/PostGRES), course management software (Blackboard, D2L, Canvas, and Moodle), SPSS, Microsoft Office, SketchUP, Revit, e-on software VUE, LumenRT, Lumion, Rhino, web content management (Drupal and Wordpress), digital graphics (tablet technology, e.g. Wacom), lecture capture software (Adobe Captivate and Camtasia) and basic web development (HTML, HTML5, Javascript, PHP, and CSS).

