

Natalie A. Yates

Assistant Professor, Landscape Architecture, Ball State University

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www.transitory.space

EDUCATION

- 2009 **Master of Landscape Architecture**
Louisiana State University, Robert Reich School of Landscape Architecture, Baton Rouge, LA
recipient Dean's Medal, College of Art and Design
- 2001 **Master of Arts, Russian & East European Studies**
Master's Certificate, Gender Relations & International Development
University of Illinois at Urbana-Champaign, Champaign, IL
- 1997 **Bachelor of Arts, Dual Degrees in Art and Russian Language**
Cornell College, Mount Vernon, Iowa

TEACHING

- 2017 - present **Ball State University**, Muncie, IN
College of Architecture and Planning
Assistant Professor of Landscape Architecture
- 2010 - 2017 **Washington University in St. Louis**, St. Louis, MO
Sam Fox School of Design & Visual Arts
Assistant Professor of Landscape Architecture
- 2010 **Louisiana State University**, Baton Rouge, LA
Research Fellow, Coastal Sustainability Studio
- Project research, The Mississippi Delta and Neighborhood Vision
 - GIS mapping and analysis
- 2009 **Louisiana State University**, Baton Rouge, LA
Adjunct Lecturer, Department of Landscape Architecture
- GIS instruction, Plan Theory and Methods course
- 2007 - 2009 **Louisiana State University**, Baton Rouge, LA
Research and Teaching Assistant to Cat Marshall and Brad Cantrell
- Co-taught Digital Representation I & II for Landscape Architecture (LA 1102/2101)
 - Research and lab assistant Terrain Kinetics [TiKi] Lab

PROFESSIONAL

- 2009 **River Road Design Consortium**, Project Designer
Baton Rouge, Louisiana
- Grant research
 - Project research for River Road Toolkit
- 2008 - 2010 **Visual Logic, Inc**, Freelance Graphics and Modeling
New Orleans, Louisiana
- Collaborative design renderings
- 2008 **Visual Logic, Inc**, Research Assistant
Baton Rouge and New Orleans, Louisiana
- digital tutorial development for [www. lab.visual-logic.com](http://www.lab.visual-logic.com)
- 2008 **Mossop + Michaels**, Design Intern
New Orleans, Louisiana
- Donnelly Park, New Orleans, playground proposals (with Louisiana State University)
 - Tulane University public space (design drawings)
 - Couturie Forest Strategic Plan (habitat research and design drawings)

COURSES

Ball State University, College of Architecture and Planning

Graduate Studios

- LA 602 **Site Design**, Spring 2019 (up-coming)
- LA 603 **Community and Urban Open Space**, Fall 2018 (5 students)
- LA 603 **Community and Urban Open Space**, co-taught with John Motloch, Fall 2017 (8 students)

Undergraduate Studios

- LA 202 **Park and Open Space Design**, co-taught with Peter Ellery, Spring 2018 (22 students)

Core Seminars

- LA 661 **Design Communications**, Fall 2018 (5 students)

Elective Seminars

- LA 498/598 **The Dynamic and the Digital**, Spring 2019 (up-coming)
- LA 498/598 **Unmanned Aerial Systems Technology**, co-taught with Peter Ellery, Spring 2018 (16 students)

Washington University in St. Louis, Sam Fox School of Design & Visual Arts

Graduate Studios

- A46.317 **Combined Architecture / Landscape Architecture Core I Studio**, Fall 2012 (12 students), Fall 2013 (10 students)
- A48.401 **Landscape Architecture Core Studio I Grand Center**, Fall 2011 (5 students)
- A48.402 **Landscape Architecture Core Studio II Landscapes of Power**, Spring 2016 (17 students)
- A48.501 **Landscape Architecture Core Studio III Disturbed Sites**, Fall 2010 (10 students)
- A48.501 **Landscape Architecture Core Studio III Machine in the Ghost (Pruitt Igoe)**, Fall 2015 (6 students)
- A48.501 **Landscape Architecture Core Studio III South St. Louis Riverfront**, Fall 2016 (8 students)
- A48.502 **Landscape Architecture Core Studio IV Dunn Ranch Prairie**, Spring 2017 (14 students)
- A48.601/A46.511 **Landscape Architecture Comprehensive Studio: Catalyst**, Fall 2014 (6 students)
- A48.602/A46.511 **Landscape Architecture Comprehensive Studio: North | South**, Spring 2014 (8 students)

Undergraduate Studio

- A46.312/412 **Architecture Option Studio Pruitt Igoe Pasts and Futures**, focusing on urban design and landscape architecture minors, co-taught with Patty Heyda, Spring 2012 (14 students)

Core Seminars

- A48.421 **Landscape Representation I: Hand Drafting, Drawing & Sketching**, Fall 2011 (5 students)
- A48.520 **Landscape Representation II: Digital Tools**, Spring 2013 (10 students), Spring 2014 (8 students)
- A48.521 **Advanced Landscape Representation: Visualizing Ecological Processes**, Fall 2010 (10 students), Fall 2011 (3 students), Fall 2012 (10 students), Fall 2013 (8 students), Fall 2014 (11 students), Fall 2015 (8 students), Fall 2016 (19 students)
- A48.422 / A48.542 **GIS for Site Design**, Spring 2012 (10 students), Spring 2013 (18 students), Spring 2016 (23 students)
- A48.462 **Landscape Materials**, Spring 2011 (9 students)

Elective Seminars and Independent Studies

- A48.423D **Videography for Designers**, Spring 2015 (12 students), Spring 2016 (12 students), Spring 2017 (15 students)
- A48.480B / A46.480B **Mapping the Metropolitan Mississippi**, Spring 2012 (7 students)
- A46.682 **Independent Study - Degree Project Advisor LA component**, Spring 2011 (Michael Wyrock)
- A48.681 **Independent Study - Internship Advisor**, Fall 2013 (Junru Zheng)
- A48.682 **Independent Study - Internship Advisor**, Spring 2014 (Jing Wang)

Orientation

- **Shaw Nature Retreat and Pre-semester Orientation**, Fall 2010 (10 students), Fall 2011 (50 students), Fall 2012 (56 students), Fall 2015 (15 students)
- **Pre-semester Orientation and Tyson Research Center Field Trip**, Fall 2013 (56 students)

Louisiana State University, Robert Reich School of Landscape Architecture

- 4201 **Plan Theory & Methods**, Fall 2009
- 1102 **Digital Representation I for Landscape Architecture**, Spring 2009
- 2101 **Digital Representation II for Landscape Architecture**, Fall 2008

GRANTS | AWARDS

- 2018 Research Proposal Submitted July 2018, \$998,760, National Science Foundation Smart & Autonomous Systems, “Intuitive Tasking for Multi-User Drone Management in a Disaster Scenario” research proposal with Srikanth Gururanjan, David Ferry and Flavio Esposito, project will run 2019-2021 if granted.
- 2017 Research Grant, \$2800, ASPIRE Start Up Award, for initial research proposal “UAVs in Responsive Design, 2017-2019
- 2013 2nd Round Finalist, Land Lab for Sustainable Cities Competition, Activating Capacity: Vacant Lot with P. Heyda and C. Yogiaman (local competition)
- 2012 Research Grant, \$3000, Sam Fox School Creative Activity, Activating Capacities initial research proposal with Asst. Professor Patty Heyda and Asst. Professor Christine Yogiaman (inter-departmental, cross-disciplinary project)
- 2011 Professional Honor Award, Research Category, American Society of Landscape Architects [ASLA] for Backyard Farm Service: A Business Plan for Localizing Food Production, collaborative project with B. Cantrell, A. Chang, P. Michaels. (recognition from leading national professional association for landscape architects)
- 2010 Semifinalist, One Prize: Mowing to Growing Competition, Backyard Farm Service with B. Cantrell, A. Chang, P. Michaels. (national competition)
- 2009 Teaching Award, Louisiana State University Robert Reich School of Landscape Architecture
- 2009 Design Award, Louisiana State University Robert Reich School of Landscape Architecture
- 2009 Service Award, Louisiana State University Robert Reich School of Landscape Architecture
- 2009 Helen A. Reich Memorial Scholarship, Louisiana State University Robert Reich School of Landscape Architecture
- 2008 Academic Achievement and Leadership Award, Louisiana State University Robert Reich School of Landscape Architecture
- 2008 Endowment Scholarship, Louisiana State University Robert Reich School of Landscape Architecture
- 2007 Leadership Award, Louisiana State University Robert Reich School of Landscape Architecture

PUBLICATION

- 2013 “Responsive Mediums: Abstract and Discrete Networks,” Cantrell and Yates, *Terrain Vague: The Interstitial as Site, Concept, Intervention*, juried by P. Barron, U Mass and M. Mariani, Boston Architectural College (accepted for publication, but unpublished due to timing issue)
- 2012 *Modeling the Environment: Techniques and Tools for the 3D Illustration of Dynamic Landscapes*, book co-authored with Bradley Cantrell, John Wiley & Sons, Inc. ISBN 978-0-470-90294-3
- 2012 Drawings published in chapter “Exploration Drawings Mixed Media” by B. Cantrell and J. Carney, in *Representing Landscapes: A Visual Collection of Landscape Architectural Drawings* edited by Nadia Amorosa, London: Routledge.
- 2011 “Backyard Farm Service: A Business Plan for Localizing Food Production”, Cantrell, Chang, Michaels and Yates (as Visual Logic), *Landscape Architecture Magazine*, October 2011, 138. (ASLA 2011 Honor Award recognition)
- 2010 Drawings published in *The Trouble with City Planning: What New Orleans Can Teach Us*, authored by Kristina Ford, New Haven: Yale University Press.
- 2009 “Abstraction Language, Digital / Analog Dialogues,” co-authored with Bradley Cantrell, ACADIA conference proceedings, Chicago, IL. (International association)

CONFERENCES | WORKSHOPS | GUEST LECTURES

- 2019 with Peter Ellery, "Drones In (and Out of) the Classroom: Experiences and Outcomes of a UAS Technologies Course and Beyond" Engaged Scholarship conference, Council of Educators in Landscape Architecture [CELA], Abstract submitted, pending acceptance.
- 2019 with Peter Ellery, "Using Drones in Landscape Architecture: Project Processes, Outcomes and Significance" Engaged Scholarship conference, Council of Educators in Landscape Architecture [CELA], Abstract submitted, pending acceptance.
- 2019 "Fieldwork and the Possibility of Drones" Abstract accepted. Design Principles & Practices Conference (St. Petersburg, Russia), presentation
- 2018 "Beyond the Visual: Evaluating Videography in Design Pedagogy," Transforming the Discussion conference, Council of Educators in Landscape Architecture [CELA] (Blacksburg, Virginia), presentation
- 2016 "Integrating Time-based Media in the Design Process," Dilemma: Debate conference, Council of Educators in Landscape Architecture [CELA] (Salt Lake City, Utah), film screening and presentation.
- 2015 *Aerial Mapping, LiDAR and Sensing*, Guest Lecture in Contemporary Landscape Issues Seminar, Professor Christine Abbott, Washington University in St. Louis
- 2015 with Patty Heyda, "Activating Energy Capacity of Urban Vacant Land in St. Louis", incite Change | Change insight conference, Council of Educators in Landscape Architecture [CELA] (Manhattan, Kansas), presentation of research.
- 2015 with Patty Heyda, "Activating Capacities: Eco Strategies for Vacant Land in St. Louis", Transnationalism from Above and Below: The Dynamics of Place-making in the Global City conference, Urban Affairs Association [UAA] (Miami, Florida), presentation of research.
- 2014 *Landscape in Film and Animation*, Guest Lecture in Contemporary Landscape Issues Seminar, Professor Christine Abbott, Washington University in St. Louis
- 2013 "Amplifying Scope, Accentuating Sequence: Landscape Architecture and Urban Design in an Architecture Curriculum", Space and Time, Place and Duration conference, Council of Educators in Landscape Architecture [CELA] (Austin, TX), presentation of research and teaching.
- 2013 *Misi-Ziibi: Living with the Great Rivers: Climate Adaptation Strategies in the Midwest River Basins*, Invited Designer and Discussant, Washington University in St. Louis School of Architecture and Urban Design, with the Royal Netherlands Embassy
- 2013 *Technology and Representation*, Guest Lecture in Landscape History Seminar, Professor Kees Lokman, Washington University in St. Louis
- 2012 "Using New Technologies for the Accumulation of Representational Sediment", Finding Center: Landscape and Values conference, Research & Methods Session, Council of Educators in Landscape Architecture [CELA] (Urbana-Champaign, IL), presentation of research and teaching.
- 2011 "Evolved Feedback Loops", Invited Speaker and Panelist, After Effects: Emerging Metrics in Landscape Symposia, Technological Landscapes session, The Ohio State University Knowlton School of Architecture (Columbus, Ohio)
- 2011 *Environmentalism and the Arts Colloquium*, Invited panelist, Washington University in St. Louis, Office of Sustainability

EXHIBITIONS

- 2018 "The Skylark Project" exhibition of creative work, with Rod Barnett, Audubon Center at Riverlands, St. Louis, Missouri, July 2018.
- 2017 "Terrain Operations: Topographic Manipulations" exhibition of student work, Givens Hall, Washington University, curator.

- 2016 "Testing Collecting Modeling" exhibition of student work, Kranzberg Art & Architecture Library, Washington University, co-curator with Christine Abbott.
- 2015 "Terrain Operations" exhibition of student work, Givens Hall, Washington University, curator.
- 2011 / 2012 "Parking Plot" MLA Student collaborative project with D. Imbert and P. Meijerink, site project installed Fall 2011, exhibition included in 2012 Venice Biennale, US Pavilion exhibition "Spontaneous Interventions", contributing faculty,
- 2010 "The Mississippi Delta: Constructing with Water" with LSU Coastal Sustainability Studio, exhibition in 2010 Venice Biennale, US Pavilion exhibition Workshopping: An American Model of Architectural Practice, contributing team member,
- 2009 Hammocks, Stoops & Feathers Exhibit, Louisiana State University Atrium (photographs, mappings, video), team member.
- 2008 Cartesian Cloud and Wandering Wall Exhibits, Louisiana State University, Hilltop Arboretum (installations, 589 balloons, toile, zip ties), team member.

RESEARCH ACTIVITIES

- 2018-present VR/AR in Design Processes, in preparation for collaborative research with St. Louis University and NSF Grant
- 2015-2017 Landscape Research Center, a collaborative think tank for the practice of innovative landscape research, in-progress projects include *The Skylark Project*, *Irrigation Nation* and *A History of Agriculture*, core member
- 2015-2017 Landscape Architecture Multicopter Project [LAMP], developing research in aerial videography and landscape research, project developer
- 2015-present Video, Film, Animation in Landscape Design Process, research in use of time-based media in the design process
- 2014-2017 Urban Vitality and Ecology Initiative, interdisciplinary collaboration based out of St. Louis' sustainability plan which mobilizes cooperation between the Missouri Botanical Garden, Missouri Department of Conservation, the City of St. Louis and Washington University, team members represent landscape architecture, urban design, art, environmental studies, earth and planetary sciences, GIS and social work, collaborator
- 2012-2015 Activating Capacities, collaborator with Asst. Professor Patty Heyda, inter-departmental, cross-disciplinary project on vacant land and energy capacity of St. Louis
- 2014 Integrating Plant Biodiversity into the Construction Process: Building a Regional Awareness of Our Habitat, proposal for regional biodiversity study and mapping project, with Christian Clerc and Jessie Phelps, presented to St. Louis Chamber of Commerce Green Business Challenge, 2014, collaborator
- 2009-present 3D Modeling, Animation, Simulation and Experimentation in Landscape Design
- 2009-present Applications and Techniques of GIS in Site Design and Landscape Analysis

SERVICE | PROFESSIONAL ORGANIZATIONS

National Service / Organizations

- 2016 - 2019 Council of Educators in Landscape Architecture [CELA] conference, abstract reviewer
- 2013 Environmental Design Research Association [EDRA] conference, abstract reviewer
- 2010 - present Alumni Advisory Board, Louisiana State University, member
- 2009 National Conference on the Beginning Design Student, abstract reviewer
- 2006 - present American Society of Landscape Architects [ASLA], member

Outside Reviews

- 2011 Penn State University Fall Semester Reviews, invited critic
- 2009 - 2010 Studio and Representation Presentations, Robert Reich School of Landscape Architecture, Louisiana State University, guest critic

Community Service / Organizations

2018 – present Urban Garden Coalition of Delaware County, member

University Service / Organizations

2018 Indiana Women of Achievement Planning Committee, Ball State University

2017 New Faculty Academy, Fall Semester, Ball State University

2013 – 2017 GIS User Group, Washington University in St. Louis, member

2011 – 2017 WUSTL Student Chapter ASLA, faculty advisor

major student projects:

Add Remove Improve, community service project, 2015-present

Monsanto YMCA Natural Playground Project, 2015 - present

Park(ing) Day 2012, 2013, 2014, 2015

Flora Conservancy, Lagoon Project, 2012-2013

2011 – 2017 Association of Women Faculty, Washington University in St. Louis, member

2010 – 2011 Fitzgibbon Scholarship Committee, College of Architecture, member

Department Committees

2018 - 2019 Landscape Architecture Graduate Program Committee, Ball State University

2018 - 2019 Landscape Architecture Faculty Search Committee, Ball State University

2018 - 2019 College of Architecture & Planning Diversity Planning Task Force, Ball State University

2018 - 2019 College of Architecture & Planning Curriculum Committee, Ball State University

2017 - present Landscape Architecture IT Committee, Ball State University

2017 - present College of Architecture & Planning IT Committee, Ball State University

2017 - 2018 Landscape Architecture Faculty Search Committee, Ball State University

2014 - 2017 Digital Technology Committee, Washington University, 2016 Chair

2014 - 2015 Faculty Search Committee, Landscape Architecture Assistant Professor Search, Washington University

2014 - 2015 Sustainable Action Committee, Washington University in St. Louis

2013 - 2017 Graduate Admissions Committee, Washington University in St. Louis

2013 - 2014 Faculty Search Committee, Landscape Architecture Program Chair Search, Washington University

2013 - 2014 Creative Research Grant Committee, Sam Fox School of Design & Visual Art

2012 - 2017 Sam Fox School Undergraduate Initiative – commons courses(developing), minor in landscape architecture, minor in landscape architecture & certificate in public art (developing)

2012 - 2013 Olin Library Digital Research Initiative (contributing SFS faculty on development)

2011 - 2013 Curriculum Committee

2011 - 2012 Faculty Search Committee, Landscape Architecture Assistant Professor Search

2011 - 2017 Admissions Reviewer

2011 - 2012 Exhibitions Committee

2011 - 2012 Monday Night Lecture Series Committee

2010 - 2011 Faculty Search Committee, Landscape Architecture Assistant Professor Search

2010 - 2011 Exhibitions Committee

Landscape Architecture Program Work

at Washington University in St. Louis

2016, 2017 LABash Recruiting Initiative

2015 Fall Recruiting Visits / Presentations (Macalester College, St. Paul, MN, St. Olaf College, Northfield, MN, University of Minnesota, St. Paul, MN)

2015 Spring Recruiting Visit, LA Bash [annual student-led conference on landscape architecture], San Luis Obispo, CA

2014 - 2017 Digital Communications Liaison (program website)

2013 MLA Program Accreditation Exhibition

- selection and layout of projects for exhibition
- coordination of digital media including slideshows and videos of student work
- organizational assistance with documents and scheduling

2012 - 2013 MLA Program Accreditation Preparation, Student Work Document for LAAB Initial Program Accreditation Review, all MLA program courses from 2010 - 2013 (140 hours, 2260 page PDF document), compilation and layout included:

- course descriptions, syllabi, project statements
- student work examples showing range and grading for each project
- student course evaluations

2011 - 2012 MLA Program Accreditation Preparation, Strategic Plan, copy-editing

2011 Fall Recruiting Visits / Presentations (Carleton College, Northfield, MN, Macalester College, St. Paul, MN, St. Olaf College, Northfield, MN)

2011	MLA Program Accreditation Exhibition for Initial LAAB Accreditation Candidacy Review
2011 - 2012	MLA Program Accreditation Preparation, Initial Student Work Document for LAAB Accreditation Candidacy Review
2010 - 2017	Curriculum Development, Landscape Architecture Program
2010 - 2017	Faculty Student Advisor
	2010-2011 10 students (landscape architecture)
	2011-2012 15 students (landscape architecture)
	2012-2013 10 students (landscape architecture)
	2013-2014 19 students (landscape architecture, dual degree, undergraduate architecture, LA minors)
	2014-2015 24 students (landscape architecture, dual degree, undergraduate architecture, LA minors)
	2015-2016 18 students (landscape architecture, dual degree, undergraduate architecture, LA minors)
	2016-2017 13 students (landscape architecture, undergraduate architecture, LA minors)