

RESEARCH AGENDA

Quantitative constructions of territory and environment within modern governmentality; Media archaeology of Cold-war scenario planning, geography and urbanism; Conservation histories, resource constructs, & spatial feedbacks in urban modernization; Integration of computational and parametric media for landscape, interperative outreach, and digital humanities, bringing together architectural documentation, art historical curation, cartographic and augmented interfaces for big-data.

EDUCATION

2008 **UNIVERSITY OF PENNSYLVANIA**
MLA: Landscape Architecture and Regional Planning *Honors*

2005 **COLUMBIA UNIVERSITY**
MA: Modern Art Criticism
Thesis: "Wireless Imagination Amidst Psychological Warfare: Roberto Matta's Paintings."
Advisor John Rajchman

2003 **ARCHITECTURAL ASSOCIATION**
MA: Architectural Histories & Theories *Distinction*
Thesis: "Seeing Through Stowe: Formal Projection, Aesthetic Encounter, and Discursive Visuality."
Advisor Vittoria Di Palma

2002 **WASHINGTON UNIVERSITY**
BSc: Architecture, Anthropology *Summa cum laude*
minor: Art

2013 **NEW YORK UNIVERSITY**
Non-Degree: Interactive Telecommunications

ACADEMIC APPOINTMENTS

Lecturer in Landscape Architecture (full-time, tenure track)
CURRENT **CITY COLLEGE OF NEW YORK SPITZER ARCH SCHOOL**

Teaching and curriculum construction responsibilities include graduate core and elective research courses, studio, and lab courses on parametric simulation and representation of landscapes. Teaching incorporates current research, from computation to material culture and the genealogies of environmental 'data' in conservation, commerce, and medico-aesthetic individualization. Curriculum design was the author's unless otherwise noted (*).

COURSES

2016 SP	MLA Studio II (LAAR 62100) <i>Studio</i>
2016 SP	Landscape & Logistics, Ind. Study (LAAR 69003) <i>Seminar Instruction</i>
2015 FALL	Advanced Representation Techniques (LAAR 62200) <i>Lab Instruction</i>
2014,15 FALL	Design Research (LAAR 64150) <i>Discussion/Seminar</i>
2014,15 FALL	Traditional and Digital Media (LAAR 61400) <i>Lab Instruction</i>
2014,15 SUMMER	Spatial and Regional Representation (LAAR 61601) <i>Lab Instruction</i>
2015 SP	Maps, Matter, Metabolisms (ARCH 63200, LAAR 64800) <i>Seminar and Lab Instruction</i>
2015 SP	Landscape Digital Animation (LAAR 61270) <i>Lab Instruction</i>
2014,15 SP	Thesis Studio (LAAR 66100 with Catherine Seavitt Nordenson) <i>Studio *</i>
2014 SP	Digital Modeling <i>Workshop</i>
2013 FALL,15 SP	Processing/Data Visualization for Landscape <i>Workshop</i>

SERVICE

2016 SP Publications Committee *Spitzer Web and Publications platform research*
2015 FALL Travel Studio Chaperone, Secondary Critic *3rd yr core studio*
2015 SP Graphic workshops *1st yr core studio*
2014 FALL Travel Studio Chaperone *3rd yr core studio*

Adjunct Lecturer in Landscape Architecture & Regional Planning

2014 **UNIVERSITY OF PENNSYLVANIA, SCHOOL OF DESIGN**
2014 SP Edge Operations (LARP 780) *Adv. Theory Discussion/Seminar*
2014 FALL Media III (LARP 543, with Keith Van Der Sys) *Lab Instruction, multiple sections*

Support Critic in Landscape Architecture

2010 FALL **BOSTON ARCHITECTURAL COLLEGE, STOSS STUDIO**
Option Studio: Ungulate Urbanism (with Scott Bishop) *Studio*

Teaching Assistant in Landscape Architecture and Architecture

2006-08 **UNIVERSITY OF PENNSYLVANIA, SCHOOL OF DESIGN**
2008 SP Contemporary Landscape History + Theory (LARP 540, with Karen McCloskey) *Lecture*
2007,08 SP Architecture + Site (ARCH 401, with Anita Berrizbeitia) *Studio*
2006,07 FALL Concepts in Contemporary Landscape (LARP 780, with Anita Berrizbeitia) *Lecture*
2006 FALL Archigram and Its Legacies (ARCH 719, with Annette Fierro) *Seminar*

Teaching Assistant in Architecture

2000-02 **WASHINGTON UNIVERSITY, FOX SCHOOL OF DESIGN**
2002 SP Introduction to Design IV (ARCH 212, with Gay Lorberbaum) *Studio*
2000,01 FALL Introduction to Design I, II (ARCH 111-12, with Gay Lorberbaum) *Lecture and Discussions*

INVITED JURIES

2013-15 University of Pennsylvania *Landscape, Core, Elective, & Super Reviews*
2013-15 City University of New York *Landscape, Core & Elective*
2009, 13, 15 Northeastern University *Landscape, Core*
2011 Harvard Graduate School of Design *Landscape, Core*
2011 Wentworth Institute of Technology *Architecture, Core*
2010 Boston Architectural College *Landscape, Elective*
2002 Washington University *Architecture, Core*

PROFESSIONAL EXPERIENCE

Founder, Director

CURRENT **SITEATIONS STUDIO**

Research, design, and writing practice focused on exploring historic and contemporary forms of data-driven cartography and visualization. Freelance information design and graphics consultation for clients including Smudge Studio and Ninigret Partners. Work featured on *Places*, *Scenario*, *BLDG blog*, *Notcot.org*, and in various academic collations.

Associate

2008-2012 **STOSS LANDSCAPE URBANISM**

Managed competitions, master plans, installations, and landscape designs for projects at a range of scale in the US, Europe, Eurasia, China, & Taiwan. Supervised interns on a daily basis, attended client and consultant meetings, served as lead designer, led client presentations and community participation meetings. Spearheaded internal office coordination, the production & coordination of RFP & RFQ proposals, design standards, and contributed to a range of construction document sets, from concept to specs and construction administration.

Project Designer

2008 **LANDWORKS STUDIO**

Project designer on various historic site plans, urban transit studies and landscape designs in Boston and NE US. Compiled firm portfolio and contributed to various RFP & RFQs and document sets.

Interpretive Staff/Educator

2006 **BARTRAM'S GARDEN**

Staff educator teaching grade-school curriculum and all-age interpretive tours of colonial-era house and grounds. Assisted in revision of seasonally themed lessons focusing on botanic collection and agro-cultural practices.

Docent/Exhibition Construction

2005 **WALLACH GALLERY**

Gallery staff and docent. Worked openings, assisted in cataloging works, building exhibitions, lighting, and writing copy for various press releases.

Project Designer

2001 **PYRAMID ARCHITECTS**

Project designer on various small scale renovations, history loft re-use and as-built documentation in St. Louis. Compiled firm portfolio and contributed to various document sets.

INTERNSHIPS

- 2007 **EDAW** Goldcoast competition (Australia) and landscape work in the Alexandria, VA office
2006 **Eastern State Penitentiary** Historic presentation team mothballing/enclosing prison chapel
2005 **Carnegie Museum of Art** Produced research summaries, docent text for 'Artists & Animals'
2000 **Community Design Center of Pittsburgh** Led renovation information network (RIN)
1999 **Rock Creek National Park** Led trail reclamation & repair teams

FELLOWSHIPS, HONORS, & AWARDS

- 2015 **Beautiful Data II** Getty Institute/Harvard MetaLab/NEH workshop Fellowship
2013-2014 **Merit Award** New York University/ITP first year fellowship
2012 **Change Agent** Van Alen/NYASLA selected to present current work at Archi-tober festivities
2012 **Shortlisted for Pruitt Igoe Now** Ideas competition for Pruitt Igoe, selected for exhibition inclusion
2008 **Landscape Faculty Medal** University of Pennsylvania, for design excellence in Landscape Architecture
2008 **ASLA Merit Award** University of Pennsylvania, nomination for overall performance
2007-2008 **Dean's Merit Scholarship** University of Pennsylvania, multi-year merit-based Landscape funding
2007 **Narendra Juneja Scholarship** University of Pennsylvania, merit-based second-year award

2007	Van Allen Traveling Fellowship University of Pennsylvania, for urban research in France, Spain
2005-2008	McHarg Scholarship University of Pennsylvania, multi-year merit-based tuition coverage
2002	Givens Book Award Washington University, given to best theory student in Architecture
2002	Anthropology Merit Prize Washington University, for top performance in Anthropology writing
1998-2002	Fitzgibbon Fellowship Washington University, full-tuition fellowship for Architectural study
1998	Westinghouse Scholarship Westinghouse Corporation, competition-based engineering scholarship

COMPETITIONS

2012	Pruitt Igoe Now, Shortlist, St. Louis project "From Below: CSOs as Community Catalysts"
2012	Unbuilt Architecture Award/The Hobson Honor Award: Project Boston Society of Architects, Boston project "Taichung Gateway Park" (Project Manager/Lead Designer at Stoss)
2012	Unbuilt Architecture Award/Citation Award: Project Boston Society of Architects, Boston project "Minneapolis Riverfront" (Project Co-Manager/Lead Designer at Stoss)
2012	Park Finalist: Aqua Cultures Taichung Gateway Park, Taichung, Taiwan (Project Manager/Lead Designer at Stoss)
2012	Park Finalist: Streamlines Mississippi Riverfront Competition, Minneapolis, MN (Project Co-Manager/Lead Designer at Stoss)
2010	Park Finalist: Laagland Park Competition, Antwerp (Project Manager/Lead Designer at Stoss)

CONFERENCES & PRESENTATIONS

2016	Council of Educators in Landscape Architecture, Annual Conference, Utah theme 'Landscape History and Theory,' lecture "Parsing the Pastoral"
2016	City University, 'Mapping' Seminar, New York guest lecture for Cesare Birignani, "Graphic Narratives"
2015	Northeastern University, 'Genealogies' Seminar, Boston guest lecture for Brad Goetz, "Pastoral Probabilities"
2015	Society of Architectural Historians, Annual Conference, Chicago panel 'Architectural History in the Anthropocene,' lecture "Cords, Commons, Combustion"
2015	College Art Association, Annual Conference, New York poster session "Robert Smithson's Geographic Imaginaries"
2014	New York University's Cultural Geographies, Urban Humanities Symposium, New York roundtable 'Cultural Geographies,' lecture "Edge Operations"
2014	City University of New York, JMBC faculty discussions, New York moderator of roundtable on 'Informality'
2013	University of Pennsylvania, 'Ecologies' Seminar, Philadelphia guest lecture for Ellen Neisse, "Aerial Ecologies"
2013	Studio X NYC (Columbia U, GSAPP), Aerial Arts Series, New York lecture series for "Aerial Arts" show organized and moderated events included guest speakers/panels: William Fox, Enrique Ramirez & Sonja Duempleman, Bradley Samuels & Laura Kurgan, Annette Fiero
2013	Cooper Union, 'Chemical Elements in the Built Environment' Seminar, New York guest lecture for Lydia Xynogala "Ice & Urbanism"
2012	Van Alen/NYASLA Pecha Kucha, New York lecture "Resurveying Walden"
2008	Ohio State University, Columbus Ohio lecture "Processing"
2003	Architectural Association Thesis Talks, London lecture "Seeing Thru Stowe"

PUBLICATIONS

- (FORTHCOMING.) **Third Coast Atlas, "Collapsing Divides: Robert Smithson's Concrete Pour"** Maps tracing the industrial and logistical environments indexed by Smithson's Chicago Pour works. Ed. Charles Waldheim, Clare Lyster, and Mason White.
- (IN REVIEW) **(Fairy Tales), "Specious Space"** article and infographics on media and architectural footprints in Perec/Dumas' modernizing Paris.
- 2016 JUNE **Plot, "Filter" (v5)** "The Precipitron" Short essay exploring the liberal, market-based approach to pollution control as seen in Westinghouse's 1940/1950 Precipitron ads and installations.
- 2016 MAY **Ground Up, "Delineation" (v5)** "Re-Surveying Walden" article and infographics on refrigeration and resource relays in Thoreau's urbanizing New England.
- 2016 FEB **2015 Bi-City Biennale Catalog, "Autonomy & AutoDigestion"** Co-Authored article exploring the construction of site metabolisms in 1960s informal architecture. Collaboration with Lydia Kallipoliti.
- 2015 JUNE **Plot, "Waste" (v4)** "Wastewoods" Infographic on energy, infrastructure, and resource relays in Thoreau's urbanizing New England.
- 2014 DEC **Digital Drawing for Landscape Architecture, various graphics in "Design Diagrams" and "Plan/Section Rendering"** featured work from graphic work at Stoss Landscape Urbanism and Landworks, etc. Ed. Bradley Cantrell, Wes Michaels.
- 2014 JUNE **Projective Ecologies, various graphics in "Resilience" and "Adaptability"** featured work from 'Detroit Works,' 'Bass River Park,' 'Tiachung Gateway Park,' etc. Ed. Chris Reed, Nina-Marie Lister.
- 2014 MAY **Transects** short essay as compendium of Penn Design alumni & faculty work. Ed. Richard Weller and Meghan Talarowski.
- 2013 MAY **Landscape Architecture Frontiers, v1.4** "Logistics in the Woods: Mapping Walden and its Global Resource Relays" The text situates discursive intervention, historic features, and documents involved in drawing the global logistics of the frozen water industry.
- 2013 MAY **Scenario Journal, edition 4** "NaCl: Enabling Emptiness" Infographic Series on salt logistics and immanent saline environments in the North East metropolitan corridor.
- 2011 DEC **Landscape Urbanism, edition 1** "Interview: Charles Waldheim" Informal interview. Edited in collaboration with Andi Hansen and Sarah Peck.
- 2009 OCT **Imagined Prisons, "Eastern State Penitentiary: Materialist Mutualisms"** Exploration of solitary confinement for blog for *The Prison & the American Imagination* by Caleb Smith, Yale U Press.
- 2008 SEPT **Via: Occupation, v1** "Enduring Innocence?" Book review of Keller Easterling's work.
- 2008 MAY **Power Fields: . . . Vito Acconci** "Vito Acconci in Conversation at Acconci Studio, New York" Curatorial text for Bergman Curatorial seminar and interview. Ed. Christine Poggi.
- 2008 MAY **Process 12** Penn landscape annual, studio work & independent study
- 2007 MAY **Process 11** Penn landscape annual, construction detailing & studio work
- 2004 NOV **The Common Space Journal** "Do You Know the Way to San Louie?" "River City Phoenix" Photo-essays/Essays on the Culture of St. Louis.
- 2001 AUG

EXHIBITS, DEMOS, & INTERACTIONS

* Curator or Producer

- 2015 DEC **2015 Bi-City Biennale of Urbanism/Architecture, Shenzhen, China** "Autonomy & Autodigestion" team. Led by Lydia Kallipoliti, with Kyong Kim. Concept Design and Infographics.
- 2015 JULY **Getty Institute/Harvard MetaLab, Beautiful Data II, Cambridge** "Corbu-Code" with collaborators: Bethany Johns, Robin Clark, Jared McCormick, Ainslee Meredith. Concept Design and Mock-ups.
- 2014 NOV **Brooklyn Navy Yard, Designing the Future, New York** "Mnemonic Table" with Saki Hayashi. Back-end support.
- 2014 APRIL **NYIT, WebVisions Conference, New York** "Mnemonic Making" with Saki Hayashi. Demo back-end.
- 2013 DEC **New York University, ITP Winter Show, New York** "Mnemonic Making" with Saki Hayashi. Demonstration, physical computing, front and back-end design.

- 2013 OCT * Studio-X NYC (Columbia U, GSAPP), Aerial Arts Series, New York "Aerial Arts: Defense Discourses, Cartographic Critiques" Infographic Series on 'Air-Age' geographies (WWII) and satellite imaging in the land art of Robert Smithson and Walter de Maria. Boards, Interactions, and Environments.
- 2012 JUNE Pruitt Igoe Now Exhibition, St. Louis "From Below: CSOs as Community Catalysts" Shortlisted proposal boards and video shown at Old North Saint Louis Restoration Group.
- 2012 SEPT Studio-X NYC (Columbia U, GSAPP), Geologic Cities Exhibit, New York "NaCl: Operations Enabling Emptiness" Infographic Series on salt logistics for the North East metropolitan corridor. Collaboration with Smudge Studios.
- 2008 SEPT Winterspace, A Lot of Possibilities Exhibit, New York "E 117th Street" Exhibition of alternate vacant lot and community garden proposals.
- 2008 MAY University of Pennsylvania, ASLA Honors Exhibition, Philadelphia
- 2003 JUNE Architectural Association, Annual Show, London, Studio Works #11
- 2002 MAY Orientation Interdisciplinary Art Show, St. Louis "Direct(ions)"
- 2002 MAY Washington University, AIA senior honors show, St. Louis

PROJECT EXPERIENCE

By Category/Phase: Concept, SD, DD, CD, CA, Management, Video, Design/Build, Planning Research

Autonomy & Autodigestion, Shenzhen, CN. Exhibit Concept. Graphics. CDs

Aerial Arts Exhibition, New York Concept. Design/Build. Management

Island 'Time' Electric Alternatives, Vinalhaven, ME Concept. Design

Hobby Hives Branding Campaign, Pittsburgh Concept. Design

Sugar Hill Arts Landscape Masterplan, Detroit Planning. Management

Porta Ciutat Meridiana (w/ f451), Barcelona Planning. Management

Avery Streetscape, Boston Concept. Co-Management

HuangPu Riverfront South (w/ SOM), Shanghai Planning. Management

Taichung Gateway Park, Phase 1 & 2, Taichung, Taiwan Concept. Management

Streamlines Minneapolis Mississippi Riverfront Park, Minneapolis Co-Mngmt. Video

Detroit Works Planning Team, Detroit Concept. Planning Research

Harvard Common Spaces Plaza, Cambridge Concept-DD

Dolphin Development (w/ Amiha Winton Architects), Ankorwa, Turkey SD-CD

Laagland Park, Antwerp Concept, Management

Remembrance Park Western Flanders, Belgium Concept

Isabella Stewart Gardener Museum Gardens, Boston Concept-CD

Appleton Mill Art Yard, Lowell, MA Concept

Erie Street Plaza, Milwaukee CD-CA

University of Toronto School of Architecture, Toronto Concept

Fox Riverfront, Green Bay, WI CD-CA

Syracuse University College of Law, Syracuse Concept

Garden Passage, Pittsburgh Concept

Western Avenue Stormwater Strategy, Cambridge Concept

AIA Headquarters Plaza, Washington DC DD

Blackstone History Center, Wooster, MA DD

Hillwood Estate Masterplan, Washington DC SD-DD

Gold Coast Urbanism, Queensland, AU Concept-SD

ESP Greenhouse Restoration, Philadelphia Design/Build

ESP Workshop Documentation/Enclosure, Philadelphia Design/Build

Elder Shirt Lofts, St. Louis DD-CD

Renovation Information Network, Pittsburgh Planning Research

Catalytic Urban Redevelopment Report, Pittsburgh Planning Research

ON-GOING RESEARCH

Book project

EDGE OPERATIONS, OR LOGISTICS IN THE WOODS

Edge Operations or Logistics in the Woods, 'runs the numbers' from Walden, mapping out an alternate history of conservation, climate control, and the 'quantified self' in the nascent industrial age. Appropriating Thoreau's acerbic accounting and peri-urban position, the book diagrams the shifting resource networks and the spatial, programmatic, even political feedbacks within industrial, urban development. In addition to a completed chapters on on Walden's coldscape logistics and documentation of cordwood consumption (by rail), other chapters will address manufactured watersheds, agricultural markets, risk, insurance and the individual as ideal. From global material arrays to novel instruments of mensuration, Thoreau's 'homestead' provides an ideal topoi to reflect on the canon and contemporary practices of architectural theory, landscape urbanism, and media immersion.

current status: two chapters completed for conferences/presentations, one chapters in revision,
one conference and one article submission under review (2016), interactive launch (3/2016)

SKILLS/TOOLS/LANGUAGES

year acquired Program versions & plug-ins, * taught

DRAFTING/MODELING

2001 autocad *
2008 cadcam
2005/12 rhino 4/5, grasshopper *
2007 real flow
2007 3dmax *
2008 v-ray

MAPPING/WEB/BIG-DATA

2007 arcgis *
2008 html, css
2012 processing *
2013 php, server-side languages
2013 javascript, browser-side languages
2014 python (2+) for gis and rhino
2013 api queries in xml, json, geojson, etc. *
2014 d3, misc statistical display packages
2013 mapbox, leaflet, misc. web-map packages
2012 mailchimp, wordpress, misc cms

GRAPHICS/ANIMATION (CS2+)

2000 photoshop *
2005 illustrator *
2005 indesign *
2006 aftereffects, premier pro (cs 5+) *
2013 pro tools 11, live, audition
2010 flash (action script 2)

DIGITAL FABRICATION

2005 laser cutting *
2010 die cutting
2007 cnc
2007 3d printing *
2013 microcontrollers & basic circuitry

MACHINE/MANUAL CRAFT

2006 preservation woodworking
1997 framing, drywall
2004 exhibit lighting
2004 exhibition installation/construction

FINE ARTS SKILLS

2000 block/intaglio printing
1997 wheel pottery, raku & kiln firing *
2000 oils
1996 sewing (basic pattern making)
2013 soft circuit construction
2006 misc casting technique

LANGUAGES

French reading
Dutch reading
Catalan basic reading
German basic speaking

PROFESSIONAL AFFILIATIONS

AIGA American Institute of Graphic Arts

CAA College Art Association

SAH Society for Architectural Historians

ASLA American Society of Landscape Architects

CELA Council of Educators in Landscape Architecture

SEH Society for Environmental History