

Rob Holmes

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ACADEMIC APPOINTMENTS

- Fall 2016- Auburn University
School of Architecture, Planning, and Landscape Architecture
Assistant Professor
- 2014-16 University of Florida
Department of Landscape Architecture
Assistant Professor
- 2013-2014 Virginia Tech
Washington-Alexandria Architecture Center
Adjunct Instructor, National Capital Region Masters of Landscape Architecture Program
- Fall 2013 Ohio State University
Knowlton School of Architecture, Landscape Architecture Section
Trott Distinguished Visiting Professor
- Spring 2013 Louisiana State University
Robert Reich School of Landscape Architecture
Marie M. Bickham Endowed Chair in Landscape Architecture
- 2011-2012 Virginia Tech
Washington-Alexandria Architecture Center
Adjunct Instructor, National Capital Region Masters of Landscape Architecture Program

RESEARCH AFFILIATIONS

- 2010- Dredge Research Collaborative
Co-founder
The Dredge Research Collaborative is an incorporated 501c3 nonprofit that writes, organizes public events, and produces speculative design projects, with the intention of investigating landscapes produced by human activities that accelerate and decelerate sedimentary processes.
- Apr-Jun 2013 Coastal Sustainability Studio, Louisiana State University
Project Manager

PROFESSIONAL EXPERIENCE

- 2013-2014 Michael Vergason Landscape Architects
Associate
- 2006-2012 Michael Vergason Landscape Architects
Project Designer (Intern 2006-2008)

EDUCATION

- 2008 Virginia Tech
Master's in Landscape Architecture

2003 Covenant College
Bachelor of Arts in Philosophy

PROFESSIONAL AFFILIATIONS

Member American Society of Landscape Architects

AWARDS AND HONORS

2018 Best of Design Award, Analog Representation category
The Architect's Newspaper
Public Sediment for Alameda Creek
National award given for analog physical sediment models produced during a workshop hosted by the Dredge Research Collaborative at Cornell University, spring 2018. I was one of three main organizers for this workshop, together with Prof. Brian Davis and Prof. Justine Holzman.

U.S. Army Engineer Research and Development Center
"Incorporating Engineering with Nature (EWN) and Landscape Architecture (LA) Designs into Existing Infrastructure Projects"
Grant through Southeast Region Cooperative Ecosystem Services Unit
Awarded \$25,000

Merit Award, Urban Design category
California chapter of the American Institute of Architects
Public Sediment for Alameda Creek
State award recognizing the work of the Public Sediment team during the Resilient by Design Bay Area Challenge.

Certificate of Recognition
California State Senate
Public Sediment
Award recognizing the work of the Public Sediment team during the Resilient by Design Bay Area Challenge. Public Sediment was the only team from the competition to receive such an award.

2017 Resilient by Design Bay Area Challenge
Public Sediment team
One of ten teams selected from an international pool of 51 multidisciplinary design teams via a competitive RFP process.
The challenge consisted of two phases of work: Phase 1 (Sept-Nov 2017) and Phase 2 (Jan-May 2018). The challenge, funded by the Rockefeller Foundation and an array of local Bay Area (California) partners, was internationally-prominent and was covered by a variety of both disciplinary press and general press (see X.X).
The Public Sediment team was organized by SCAPE Landscape Architecture (design lead) and the Dredge Research Collaborative. Our approach to the competition was based on a tributary-centric approach to sediment design initially developed in the DRC's 2016 DredgeFest California workshops.
Results to date have included several awards (see above); grant funding (\$237,405) from the National Fish and Wildlife Foundation for the team to continue design work on a prototype "Pebble Dune", one element of our Alameda Creek design proposal; one publication; and significant press coverage (see citations).
(DRC: Brett Milligan, Gena Wirth, Justine Holzman; Public Sediment: SCAPE Landscape Architecture, Arcadis, TS Studio, Buoyant Ecologies Lab, UC-Davis Departments of Design & Human Ecologies, UC-Davis Center for Watershed Sciences)

2016 Honor Award in the Communications category for the DredgeFest event series,

American Society of Landscape Architects 2016 Professional Awards Program

Third Prize, NYC Aquarium & Public Waterfront Competition
Archoutloud
(with: Laurel McSherry, Frederick Steiner, David Bayer)

Nominated for Virginia Tech College of Architecture and Urban Studies Alumni
Achievement Award

2015 Graham Foundation for Advanced Studies in the Fine Arts
2015 Grants to Individuals
"Wicked Ecologies"
(co-PI Brett Milligan)

2009 Merit Award, James River Green Building Council Competition #
(with: Christina Antionetti, Jessie Calder, Matt Johnston, Angela Koloszar)

2008 Student Honor Award, Potomac ASLA

Stanley Abbott Award, Virginia Tech

2007 Third Prize, Envisioning Gateway competition
Van Alen Institute and National Park Service
(with: Laurel McSherry, Terry Surjan)

Blue Studio Award, Virginia Tech

Sigma Lambda Alpha (Landscape Architecture National Honor Society)

2006 Third Prize, 8th Annual Washington Area Interschool Competition
Washington-area chapters of the AIA, Washington Architectural Foundation, and
National Building Museum

COURSES TAUGHT ** new or redeveloped course * new or redeveloped project
Auburn University

Fall 2018 LAND 7280 Dynamic Systems III: Regional Ecologies *

LAND 7240 History, Theory, and Practice II: Landscape and Culture

Summer 2018 LAND 5130/6130 Studio I **

LAND 5131/6131 Field Studies I **

Spring 2018 LAND 7331 Studio VI: Thesis *
Development of Galveston Bay studio project in collaboration with Army Corps of
Engineers (USACE) Galveston District, USACE Engineering with Nature program,
and Brian Davis (Landscape Architecture, Cornell University). One of two directed
projects offered to thesis students in this semester.

LAND 5340/6340 Urban Studies I: American Urban Landscapes

LAND 7992 Research Summary
Co-taught with David Hill.

Fall 2017 LAND 7231 Studio V: Thesis **
Co-development of new "Alabama Lab" design research model for thesis studio with

the other fall thesis instructor, David Hill, as well as with input from the broader MLA program faculty. Development of Mobile Bay study, one of two directed projects offered to thesis students in this semester.

LAND 7240 Contemporary Theory and Practice **

Development of new sequence, lectures, and pedagogy for this core graduate seminar focused on the contemporary practice of landscape architecture.

Spring 2017 LAND 7331 Studio VI: Thesis

LAND 5340/6340 Urban Studies I: American Urban Landscapes **

Development of new sequence, lectures, and pedagogy for this core graduate seminar

Fall 2016 LAND 7231 Studio V: Thesis

University of Florida

Spring 2016 LAA65625L "21st Century Neighborhood Infrastructure Design" **

Integrated project delivery studio, with students including landscape architecture, architecture, construction management, and mechanical engineering. Co-taught with Kim Tanzer (architecture, University of Virginia) and Ravi Srinivasan (construction management, University of Florida).

Fall 2015 LAA 3350 "The Beach Studio" **

Core site design studio for junior undergraduate and first-year graduate students. With teaching assistant Lauren Stubbs.

LAA 2330 "Reading Landscapes" **

Redevelopment of LAA 2330 Site Analysis. Required course for sophomore landscape architecture students as well as sustainability majors and minors.

Spring 2015 LAA 6525L "Advanced Landscape Construction Design: Constructing the Entropic Landscape" **

Graduate studio course at culmination of both core design and construction sequences, integrating design and technical skills.

LAA 4358 Capstone Projects

Coordinator for undergraduate capstone projects.

LAA 2379C Design Communication 2 *

I contributed a five-week module on digital modeling of objects and terrain using Rhino to this course taught by Ph.D. student Lauren Stubbs.

Fall 2014 LAA 6656 "The Lake and the Lagoon" **

Advanced regional design and planning studio for second and third-year graduate students.

LAA 2330 "Site Analysis"

Required course for sophomore landscape architecture students as well as sustainability majors and minors.

Virginia Tech

Spring 2014 LAR5304G "Digital Landscape Representation" **

Digital landscape representation at basic, intermediate, and advanced levels.

- Fall 2013 LAR 4124: Professional Practice **
Development of the VT MLA program's first landscape-specific professional practice course.
- Fall 2013 *The Ohio State University*
LARCH 7930-7950: For Every Pile there is a Pit (Ohio State University) *
Combined site design studio for second-year and third-year graduate students, co-taught with Sarah Cowles.
- LARCH 7890-8990-4780H: New American Wilderness (Ohio State University) **
Research seminar emphasizing landscape architectural research methodologies for third-year graduate students and honors undergraduates.
- Spring 2013 *Louisiana State University*
LA 4504: Gantry Cranes, Kudzu Fields, and Rolling Blackouts **
Elective seminar in the intellectual history of three concepts central to contemporary landscape theory and practice: nature, cities, and infrastructure.
- LA 4002/7006: Advanced Topics Studio (Louisiana State University) *
Advanced graduate design studio exploring landscape futures for the Houston Ship Channel.
- Fall 2012 *Virginia Tech*
LAR 5005: Graduate Design Lab I and LAR 5704: Advanced Topics in Landscape & Planning *
Combined studio course for second-year, third-year, and transfer graduate students.
- Spring 2012 LAR5304G "Topics in Landscape Architecture: Digital Representation of Landscape as Process and Object"
- Fall 2011 LAR 5005: Graduate Design Lab I and LAR 5704: Advanced Topics in Landscape & Planning *
Combined studio course for second-year, third-year, and transfer graduate students. Co-taught with Laurel McSherry.
- Spring 2011 LAR5304G "Topics in Landscape Architecture: Digital Representation of Landscape as Process and Object" **
Development of the MLA program's first course in digital representation.

GRADUATE STUDENTS SUPERVISED

I supervised the following students as graduate research assistants. They typically work 10 hours per week on various research projects, with tasks primarily focused on drawing and modeling in various digital media.

- 2018-19 Alejandro Ramos, Riffat Farjana
- 2017-18 Yuzhou Jin, Yuanyuan Gao
- 2016-17 Jingting Li, Yuzhou Jin, Ryan Wu (Wu spring semester only)
- 2015-16 Jason Seickel (spring semester only)

GRADUATE STUDENT COMMITTEES

2015-present Lauren Sosa, Ph.D. Design, Construction, and Planning, University of Florida
external committee member (review dissertation, participate in exams and defense)

2015-16	Jingshu Zhou Jacqueline Bayliss	MLA Thesis MLA Thesis
2014-15	Siyang Wen Le Zeng Erika Mayer	MLA Thesis MLA Thesis MLA Thesis

UNDERGRADUATE STUDENT COMMITTEES

2014-15	David Couch	BLA Capstone
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AWARDS AND HONORS RECEIVED BY STUDENTS

2018	Alabama ASLA Student Honor Award, General Design category "Link, Share, Grow" Rui Wang and Yuanyuan Gao Studio project from Studio V, Fall 2017	
	APLA Writing Award, MLA Essay category Rachel Hamrick paper written in LAND 7240 Fall 2017	
2015	Florida ASLA Student Award of Merit Siyang Wen, "St. Lucie Canal Corridor" studio project from LAA 6656, Fall 2014	
	Florida ASLA Student Award of Merit Sining Zhu, "In Between Dry and Wet" studio project from LAA 6656, Fall 2014	

INVITED EXTERNAL JURIES

2017	University of Tennessee, instructors Andrea Hansen and Craig Rescheke Graduate Landscape Architecture Studios	
2014	Harvard University Graduate School of Design, instructors Pierre Belanger, Jane Hutton, and Gary Hilderbrand Graduate Design Studios	
	Auburn University, instructor David Hill Graduate Theses	
	Florida International University, instructor Ebru Ozer Graduate Design Studios	
	Washington University in St. Louis, Sam Fox School of Design, instructors Natalie Yates and Jesse Vogler Graduate Design Studios	
2013	University of Tennessee, instructor Gale Fulton Graduate Design Studios	
	University of Minnesota, School of Landscape Architecture, instructors Matthew Tucker and Craig Wilson Graduate Design Studio	
2012	Columbia University GSAPP, instructors Kate Orff and Gena Wirth "Estuarium/The Hudson River Studio", Advanced Design Studio	

University of Maryland, Master of Landscape Architecture Program
Thesis Final Reviews

Louisiana State University, Department of Landscape Architecture, instructor Bradley Cantrell
Graduate Design Studio

2011 University of Virginia, Department of Landscape Architecture, instructor Jorg Sieweke
"Atchafalaya" Graduate Design Studio

2010 "Glacier/Island/Storm", Columbia Graduate School of Architecture, Planning, and Preservation, instructor Geoff Manaugh
Week-long online symposium culminating in a one-day symposium at GSAPP.

2009 "Landscapes of Quarantine", instructors Geoff Manaugh and Nicola Twilley
Independent design studio organized by Future Plural, hosted by Columbia University's Studio-X, and exhibited at the Storefront for Art and Architecture.

INVITED INTERNAL JURIES

Fall 2018 Auburn University, School of Architecture, Planning, and Landscape Architecture
instructors Emily Knox, Tom Hogge, Mary English, Matthew Hall, Danielle Wilkins and David Kennedy
Graduate Landscape Design Studios (Studio II, Studio V) (midterm and final reviews); Second-Year Undergraduate Architecture Studio (final review); Third-Year Undergraduate Architecture Studio (interim review)

Spring 2018 Auburn University, School of Architecture, Planning, and Landscape Architecture
instructors Charlene LeBleu, Danielle Willkens, Anthony Tindill, Mary English, and David Kennedy
Graduate Landscape Design Studio (midterm and final reviews); Second-Year Undergraduate Architecture Studio (interim review)

2017 Auburn University, School of Architecture, Planning, and Landscape Architecture
instructors Valerie Friedmann, Rebecca Dagg, Kelly Homans, David Hill, and Dale Speejens
Graduate Landscape Design Studios (Studio III, Studio VI, Studio IV, Studio II, Studio V), Undergraduate Architecture Studio

2016 Auburn University, School of Architecture, Planning, and Landscape Architecture
instructors David Hill, Valerie Friedmann, and Sean Protz
Graduate Landscape Design Studios (Studio IV, Studio II, Studio V), Undergraduate Architecture Studio

2015 University of Florida, Department of Landscape Architecture
instructors Tina Gurucharri and Costis Alexakis
Undergraduate and Graduate Design Studios

University of Florida, School of Architecture
instructor Charlie Hailey
Undergraduate Design Studio

2013 The Ohio State University, Knowlton School of Architecture
Landscape Architecture studio courses, various instructors

Louisiana State University, instructors Cat Marshall, Kevin Risk, Kristi Cheramie,

Bradley Cantrell, and Jeff Carney
Landscape architecture studios and various courses

2010-2012 Virginia Tech, Washington-Alexandria Architecture Center
Landscape Architecture studio courses and Thesis reviews, various instructors

FACULTY SPONSORSHIP

2018 XXI Quito Pan-American Architecture Biennale
Faculty sponsor for student team representing Auburn University MLA program

2014-15 Urban Land Institute Competition
Jingshu Zhou, Dong-soo Kim, Sujin Kim, Tong Zhan, and Le Zeng

PUBLICATIONS

BOOKS

Manuscript

In-progress Holmes, R., Milligan, B., Wirth, G., & Maly, T. (in-progress). *Silt Sand Slurry: Designing Sedimentary Infrastructure*.
Anticipated publication date early 2020.

BOOK CHAPTERS ** peer-reviewed * invited

In-press Holmes R. (anticipated 2019). Design with change. In F. Steiner, K. M'Closkey, B. Fleming & R. Weller (Eds.) *Design with nature now*. Lincoln Institute of Land Policy: Cambridge, MA. **

2013 Holmes R. (2013). Oceanographic Instrumentation and Mediated Landscapes. In G. Manaugh (Ed.) *Landscape Futures*. Actar/Nevada Museum of Art. *

Holmes, R., Becker, S., Maly, T., & Milligan, B. (2013). Dredge. In N. Bhatia & L. Sheppard (Eds.) *Bracket [Goes Soft]*. Actar: Barcelona. **

2012 Holmes, R., Becker, S., Maly, T., & Milligan B. (2012). Geotubes: Packaging Sludge and Silt. In E. Ellsworth and J. Kruse (Eds.) *Making the Geologic Now*. Punctum Books: Brooklyn, NY. *

2010 Holmes, R., & Becker, S. (2010). Hydrating Luanda. In M. White & M. Przybylski (Eds.) *Bracket [On Farming]*. (pp.160-166). Actar: Barcelona. **

PEER-REVIEWED JOURNAL ARTICLES

2017 Milligan, B. & Holmes, R. (2017) Sediment is Critical Infrastructure for the Future of California's Bay-Delta. *Shore and Beach* 85:2.

2016 Holmes, R. & Holzman, J. (2016) Material Failure and Entropy in the Salton Sink. *Landscape Research Record* No. 4.

Milligan, B., Holmes, R., & Davis, B. (2016) The Force of Things. *Landscape Research Record* No. 4.

2015 Davis, B., Holmes, R., & Milligan, B. (2015) Isthmus. *Places Journal*. <https://placesjournal.org/article/isthmus-panama-canal-expansion/>.

INVITED ARTICLES ** juried selection * direct invitation

2018 Public Sediment. (2018) Public Sediment. *Ground Up 07: Consequence*. *

Burkholder, S., Davis, B., Holmes, R., Holzman, J., Maly, T., Milligan, B., and Wirth, G. (2018) Dredge dump dike. *Limn 10: Chokeypoints*.

- 2016 Holmes, R. (2016) Unknown unknowns. *Volume 47: Short-Circuit*. *
- 2015 Holmes, R., Allen, C., & Sosa, L. (2015) One Percent: Mining Bone Valley. *Scenario Journal 05: Extraction*. **
- Milligan, B., Maly, T., & Holmes, R. (2015) The Pulse, the Sink, and the Shortfall. *Ground Up 04: Out West*. *
- 2014 Holmes, R. & Brown, C. (2014). Landscape Switching: A New Speed and Territory for Design Agency. *Kerb 22: Remoteness*. **
- 2013 Holmes, R. One Hundred and Ninety-Nine Miles. (2013). *MONU #19: Greater Urbanisms*. **
- Holmes, R., & Milligan, B. (2013). Feedback: Designing the Dredge Cycle. *Scenario Journal 04: Rethinking Infrastructure*. **
- Holmes, R., Becker, S., Maly, T., & Milligan, B. (2013). Quasi-Designed. *Landscape Architecture Frontiers China*. *
- 2012 Holmes, R. (2012, October 17). Event Horizon. *Fulcrum*, 53. *
- 2011 Holmes, R., Becker, S. (2011, September 26.) Appeal. *Quaderns*. <http://quaderns.coac.net/en/2011/09/reacciones-262-mammoth/>. *
- Holmes, R., Davis, B., & Milligan, B. (2011). Urban field manuals. *MONU* (Editing Urbanism), 14, 107-113. **
- 2010 Holmes R., & Becker, S. (2010). Architects without architecture: An interview with Kazys Varnelis. *CRIT 70*. *
- 2009 Holmes, R., & Becker, S. (2009). The shelter category. *MONU* (Real Urbanisms), 12, 14-19. **

PUBLISHED FINAL REPORTS

- 2016 Milligan, B., Holmes, R., Wirth, G., Maly, T., Burkholder, S., & Holzman, J. Dredge Research Collaborative. (2016). *DredgeFest California: Key Findings and Recommendations*.

PEER-REVIEWED PROCEEDINGS

- 2016 Milligan, B & Holmes, R. (2016) Earthworks, Wicked Problems, and Speculative Design Scenarios. *Landscape as Necessity*. University of Southern California.
- 2015 Holmes, R. & Milligan, B. (2015) DredgeFest: Social Experiments in Sedimentary Landscapes. *The Expanding Periphery and the Migrating Center: Proceedings of the 103rd ACSA Annual Meeting*. Association of Collegiate Schools of Architecture.

PEER-REVIEWED ABSTRACTS

- 2018 Holmes, R. (2018) Collaboration between Engineering with Nature and Landscape Architects. 9th National Summit on Coastal and Estuarine Restoration and Management, Long Beach, CA, December 2018.
- Friedmann, V. & Holmes, R. (2018). Droning Mud Lakes. Council of Educators in Landscape Architecture Conference, Blacksburg, VA, March 2018.
- Milligan, B., Holmes, R., & Holzman, J. (2018) Sediment design, climate change

adaptation, and California's Bay-Delta. Council of Educators in Landscape Architecture Conference, Blacksburg, VA, March 2018.

- 2017 Holzman, J., Holmes, R., Milligan, B., & Davis, B. (2017) Protocols for transdisciplinary engagement in the design of future coastal infrastructure. 24th Biennial Conference, Coastal & Estuarine Research Federation, Providence, RI, November, 2017.
- Holmes, R. (2017) A Synthetic Cartography of Dredging in the Southeastern United States. Council of Educators in Landscape Architecture Conference, Beijing, China, May 2017.
- Holmes, R., Steiner, F., Heavers, N., & McSherry, L. (2017) Competitions as Scholarship. Council of Educators in Landscape Architecture Conference, Beijing, China, May 2017.
- 2016 Holmes, R. (2016). Choreographing Sediments in Mobile Bay. 2016 Mississippi-Alabama Bays and Bayous Symposium, Biloxi, MS, 1 December 2016.
- Milligan, B & Holmes, R. (2016). Earthworks, Wicked Problems, and Speculative Design Scenarios. Landscape as Necessity. University of Southern California.
- Holmes, R. (2016). Synthetic Cartography as Landscape Architectural Research. Council of Educators in Landscape Architecture Conference, Salt Lake City, UT, March 2016.
- Burkholder, S., Davis, B., Fulton, G., Holmes, R., & Milligan, S. (2016). Four Coasts: Exploring the Regional Contentions of Dredging and Sediment Management. Council of Educators in Landscape Architecture Conference, Salt Lake City, UT, March 2016.
- 2015 Holmes, R., Burkholder, S., & Milligan, B. (2015). DredgeFest. PIANC Dredging 2015, Savannah, GA, 21 October 2015.
- Holmes, R. (2015). Mapping Dredging in Florida. 4th National Working Waterfronts and Waterways Symposium, Tampa Bay, FL, 18 November 2015.
- Holmes, R. (2015). The Lake and the Lagoon: Roles for Landscape Architecture on the C-44 Canal. Council of Educators in Landscape Architecture Conference, Manhattan, KS, 25 March 2015.
- Holmes, R. & Holzman, J. (2015). Material Failure and Entropy in the Salton Sink. Council of Educators in Landscape Architecture Conference, Manhattan, KS, 25 March 2015.
- 2014 Davis, B., Milligan, B., & Holmes, R. (2014). The Engineering Shockwave of the Panama Canal Expansion. EDRA45, New Orleans, Louisiana, May 2014.
- Holmes, R. (2014). New American Wilderness. 2014 CELA Annual Conference, Baltimore, Maryland.
- Holmes, R., Davis, B., & Milligan, B. (2014). The Force of Things: Constructing the Panama Canal. 2014 CELA Annual Conference, Baltimore, Maryland.
- 2013 Holmes, R. (2013). Federal Metropolis. CELA Annual Conference, The University of Texas at Austin.

Holmes, R. and Davis, B. (2013). One Hundred and Ninety-Nine Miles. 36th Annual Appalachian Studies Conference, Appalachian State University, Boone, North Carolina.

Milligan, B., Holmes, R., Maly, T., & Becker, S. (2013) The Dredge Cycle: DredgeFest NYC. In I. Berman & E. Mitchell (Eds.) *New Constellations / New Ecologies: Research and Design Projects*. ACSA Press: Washington, D.C, 8-9.

PEER-REVIEWED BOOK REVIEWS

2018 Holmes, R. (2018). Review of *Ecologies of Power: Countermapping the Logistical Landscapes & Military Geographies of the U.S.* Department of Defense. By Pierre Bélanger and Alexander Arroyo. *Journal of Architectural Education*.

PROFESSIONAL ARTICLES

2012 Holmes, R., & Milligan, B. (2012, July-August). Labor, Landscape, and Colonnade Park. *La Tempestad* 85.

Holmes, R. (2012, Spring). Excavations and Depositions. *Landscape: Journal of the Institute of Landscape Architecture*.

2010 Holmes, R. (2010, September). A brief atlas of the wired landscape. *Landscape Architecture Magazine*, 36.

Holmes, R. (2010, Fall/Winter). The location but not the velocity. *Urban Design Review*.

OTHER NON-REFEREED PUBLICATIONS

2017 Holmes, R. (2017) What does it mean to design with nature now? Invited contribution to virtual roundtable for launch of The McHarg Center at the University of Pennsylvania. <https://mcharg.upenn.edu/contributor/rob-holmes>

2014 Holmes, R. & Maly, T. (2014, January 9). The Mississippi River is a Land-Making Machine. *Gizmodo*. <http://gizmodo.com/the-mississippi-river-is-a-land-making-machine-dredgef-1496762852>.

2011 Holmes, R., & Becker, S. (2011, April 8). Los espacios de la revolución. *La Tempestad*. <http://www.latempestad.com.mx/view/blog.php?id=197>.

Holmes R. (2011, February 12). Best of the blogs: Mammoth's backyard farm service. *GOOD*. <http://www.good.is/post/best-of-the-blogs-mammoth-s-backyard-farm-service/>.

PAPERS, LECTURES, AND POSTERS

PAPERS AT PROFESSIONAL MEETINGS

2018 Collaboration between Engineering with Nature and Landscape Architects. Paper presented at 9th National Summit on Coastal and Estuarine Restoration and Management, Long Beach, CA, 12 December 2018.

Droning Mud Lakes. Paper presented at Council of Educators in Landscape Architecture Conference, Blacksburg, VA, March 2018. Presented with Valerie Friedmann.

Sediment design, climate change adaptation, and California's Bay-Delta. Paper presented at Council of Educators in Landscape Architecture Conference, Blacksburg, VA, March 2018. Co-presented with Brett Milligan and Justine Holzman.

- 2017 Protocols for transdisciplinary engagement in the design of future coastal infrastructure. Paper presented at 24th Biennial Conference, Coastal & Estuarine Research Federation, Providence, RI, November, 2017. Presenting co-author Justine Holzman and non-presenting co-authors Brett Milligan and Brian Davis.
- A Synthetic Cartography of Dredging in the Southeastern United States. Paper presented at Council of Educators in Landscape Architecture Conference, Beijing, China, May 2017.
- Competitions as Scholarship. Paper presented at Council of Educators in Landscape Architecture Conference, Beijing, China, May 2017. Non-presenting co-authors Frederick Steiner, Nathan Heavers, and Laurel McSherry.
- 2016 Thicker than Water: Oil and Sediment Infrastructure of the Lower Mississippi River. Field session at ASLA 2016 Annual Meeting, New Orleans, LA, 21 October 2016. Narrated landscape tour with Gena Wirth, Brett Milligan, and Justine Holzman.
- Earthworks, Wicked Problems, and Speculative Design Scenarios. Presentation at Landscape as Necessity, University of Southern California, Los Angeles, CA, 22 September 2016. Co-presented with Brett Milligan.
- Synthetic Cartography as Landscape Architectural Research. Presentation at Council of Educators in Landscape Architecture Conference, Salt Lake City, UT, March 2016.
- Four Coasts: Exploring the Regional Contentions of Dredging and Sediment Management. Panel at Council of Educators in Landscape Architecture Conference, Salt Lake City, UT, March 2016. Panelists Sean Burkholder, Brian Davis, and Brett Milligan. Moderator Gale Fulton.
- Mapping Dredge in Florida. Presentation at University of Florida College of Design, Construction, and Planning Research Symposium, 28 January 2016.
- 2015 DredgeFest. Presentation at PIANC Dredging 2015, Savannah, GA, 21 October 2015. Co-presenter Sean Burkholder and non-presenting collaborator Brett Milligan.
- Mapping Dredging in Florida. Presentation at the National Working Waterfronts and Waterways Symposium, Tampa Bay, FL, 18 November 2015.
- Ditch, Pile, Mine: Three Operational Landscapes in Florida. Presentation at the Association of American Geographers Annual Meeting, Chicago, IL, 21 April 2015.
- The Lake and the Lagoon: Roles for Landscape Architecture on the C-44 Canal. Paper presented at Council of Educators in Landscape Architecture Conference, Manhattan, KS, 25 March 2015.
- Material Failure and Entropy in the Salton Sink. Paper presented at Council of Educators in Landscape Architecture Conference, Manhattan, KS, 25 March 2015. Co-presented with Justine Holzman.
- DredgeFest: Social Experiments in Sedimentary Landscapes. Paper presented at The Expanding Periphery and the Migrating Center: 103rd ACSA Annual Meeting, Toronto, ON, 21 March 2015. Non-presenting co-author Brett Milligan.
- The Lake and the Lagoon: Roles for Landscape Architecture on the C-44 Canal. Presentation at College of Design, Construction, and Planning Research Symposium,

Gainesville, FL, 29 January 2015.

- 2014 New American Wilderness. Paper presented at 2014 CELA Annual Conference, Baltimore, Maryland, 27 March 2014.
- The Force of Things: Constructing the Panama Canal. Paper presented at 2014 CELA Annual Conference, Baltimore, Maryland, 27 March 2014. Co-presenters Brian Davis and Brett Milligan.
- 2013 Federal Metropolis. Paper presented at 2013 CELA Annual Conference, The University of Texas at Austin, 29 March 2013.
- One Hundred and Ninety-Nine Miles. Paper presented at 36th Annual Appalachian Studies Conference, Appalachian State University, Boone, North Carolina, 22 March 2013. Non-presenting co-author Brian Davis.

INVITED LECTURES

- 2018 Glitches, Flash Crashes, and Very Bad Futurists: Why landscape architects might want to use scenarios, and some thoughts on how to use them. Lecture given via videoconference to research methods seminar, University of Toronto, John H. Daniels Faculty of Architecture, Landscape, and Design, Toronto, Canada, 8 November 2018.
- 2017 Landscape architecture and environmental science. Lecture given to ENVI 1010 Introduction to Environmental Science, Department of Crop, Soil, and Environmental Sciences, College of Agriculture. Instructor Matthew Waters. 5 December 2017.
- Margins, or Why Dredging Matters for Designers. Presentation for continuing education event for Alabama chapter of the American Institute of Architects. Auburn, AL, 10 August 2017.
- Four Coasts and Dredging Florida. Lecture given via videoconference to seminar "Terra Sorta Firma", University of Toronto, John H. Daniels Faculty of Architecture, Landscape, and Design, Toronto, Canada, 15 February 2017.
- 2016 Wild Systems. Presentation at Realms and Realities Colloquium, Harvard Graduate School of Design, Cambridge, MA, 18 November 2016.
- Mapping Dredge in Florida. Presentation to the Tampa Bay Agency on Bay Management, Pinellas Park, FL, 10 November 2016.
- Feral Wilderness. Lecture at Bernard and Anne Spitzer School of Architecture, City College of New York, New York, NY, 29 September 2016.
- 2015 Prosthetic Littoral. Presentation at Sonic Acts Festival 2015: The Geologic Imagination, Amsterdam, Netherlands, 28 February 2015.
- 2014 Excavations, Shockwaves, and Limits. Presentation at The Five Thousand Pound Life: Land, a symposium organized by the Architecture League of New York and the Cooper Union Institute for Sustainable Design. New York, New York City, 26 September 2014.
- New American Wilderness. Lecture given at the Washington-Alexandria Architecture Center, Virginia Tech, Alexandria, VA, 24 March 2014.
- Environments of Extraction. Panel discussion at the Storefront for Art and

Architecture, New York City, 21 February 2014.

2013 Glitches, Flash Crashes, and Very Bad Futurists. Lecture in "Resilient Infrastructures" series at the College of Design, University of Minnesota, Minneapolis, Minnesota, 19 September 2013.

Operative Terrain. Lecture to the Department of Landscape Architecture, Cornell University, Ithaca, New York, 1 April 2013.

Operative Terrain. 2013 Marie M. Bickham Chair Lecture, Robert Reich School of Landscape Architecture, Louisiana State University, Baton Rouge, Louisiana, 18 February 2013.

2012 An Atlas of iPhone Landscapes. Lecture given at Coastal Sustainability Studio, Louisiana State University, Baton Rouge, Louisiana, 24 April 2012.

Hydrologic Commonwealth. Panel discussion at Drylands Design Conference, Arid Lands Institute at Woodbury University, Burbank, CA, 23 March 2012. Co-presenter Laurel McSherry.

Live Interview @ Studio-X: Dredge Research Collaborative. Lecture given at Studio-X NYC, 24 January 2012. Co-presenters Stephen Becker and Tim Maly.

2011 An atlas of iPhone landscapes. Lecture given at Visualizar 11: Understanding Infrastructures, MediaLab Prado, Madrid, Spain, 13-14 June 2011.

Operation after ossification. Lecture given at Manifesto 02: Infrastructural Opportunism, Storefront for Art and Architecture, New York City, 28 January 2011.

POSTERS AT PROFESSIONAL MEETINGS

2017 Droning Mud Lakes. Poster presented at Auburn University This is Research Symposium, Auburn, AL, 22 September 2017. Non-presenting co-author Valerie Friedmann.

2013 The Dredge Cycle. Non-presenting co-author for poster exhibited at the Association of Collegiate Schools of Architecture 101st Annual Meeting, California College of the Arts, San Francisco, California, 23 March 2013. Co-author Brett Milligan.

EXHIBITIONS

JURIED EXHIBITIONS

2012 The Commonwealth Approach. "Drylands Design" exhibition at Architecture + Design Museum, Los Angeles, CA, 22 March-26 April 2012. Project team Laurel McSherry, Alex Gonski, and Rebecca May.

INVITATIONAL EXHIBITIONS

2018 Landscapes of Dredge. Work from DredgeFest Great Lakes research program exhibited at Ball State University's Department of Landscape Architecture, spring 2018. Exhibition coordinator Gena Wirth.

2017 Sediment, Sea Level Rise, and the Future of the Bay-Delta. Work from DredgeFest California exhibited as part of One Climate, private event at The Exploratorium: The Museum of Science, Art, and Human Perception, 13 March 2017. Event organized by the John Muir Institute of the Environment and the Office of Research at the University of California-Davis. Materials retained as part of the permanent collection of the museum; as of spring 2018, some materials remain on display. Exhibition coordinators Brett Milligan, Justine Holzman, and Tim Maly.

2016 Hidden Sediment Reserve. Work from DredgeFest California workshops exhibited as part of Scalar Shifts, exhibition at Rhode Island School of Design, spring 2017. Coding and visualization by Matthew Seibert and Landscape Metrics, text and underlying research developed in collaboration with the Dredge Research Collaborative (Brett Milligan, Rob Holmes) and participants in the DredgeFest California workshops (Derek Hoeflerlin, Kees Lokman, Matthew Seibert, Jackson Blalock, Johanna Hoffman, William Reinhardt, and Nick Shannon).

2015 Landscapes of Dredge. Work from DredgeFest Great Lakes research program exhibited at Washington University's Sam Fox School of Design, 5 November-25 November 2015. Exhibition coordinators Gena Wirth and Brett Milligan.

2012 Mammoth exhibited in "Going Viral: Blurred Borders". AIA NY Global Dialogues exhibition series at Center for Architecture, New York, NY, 21 May 2012.

An Atlas of iPhone Landscapes. Included in Constant's "Connection Protocols". Exhibition in Artefact Festival 2012: The Social Contract, STUK arts centre, Leuven, Belgium, 16-22 February 2012.

CONFERENCES, SYMPOSIA, AND PANELS ORGANIZED

2017 Engineering with Nature-Landscape Architecture Workshop
Role: co-convener

Workshop organized by the Dredge Research Collaborative in collaboration with the leadership of the United States Army Corps of Engineers (USACE) Engineering with Nature (EWN) program. Convened a diverse collection of landscape architects from around the United States to meet with USACE personnel to discuss and plan future collaboration between landscape architects and the USACE related to EWN efforts. Resulting collaborations including work with EWN and the Galveston District of the USACE (see X.X) and with the Charleston District of the USACE (see X.X). Organized with the Dredge Research Collaborative (Sean Burkholder, Brian Davis, Justine Holzman, Tim Maly, Brett Milligan, and Gena Wirth).

2016 Thicker than Water: Oil and Sediment Infrastructure of the Lower Mississippi River Field session at ASLA 2016 Annual Meeting, New Orleans, LA, 21 October 2016. Organized with Gena Wirth, Brett Milligan, and Justine Holzman.

DredgeFest California
role: co-convener

Workshops and tours in California's Bay-Delta. Hosted by the University of California, Berkeley. Supported by Great Lakes Dredge and Dock, Landscape Architecture Magazine, the UC Davis Hellman Fellows Program, the University of California, Davis' Department of Human Ecology, Groundworks Office, the Delta Protection Commission, the University of California, Berkeley's Department of Landscape Architecture and Environmental Planning, and the Dutra Museum Foundation. Organized with the Dredge Research Collaborative (Brett Milligan, Sean Burkholder, Tim Maly, Justine Holzman, and Gena Wirth).

2015 DredgeFest Great Lakes
role: co-convener

Symposium, workshops, and tours about the human manipulation of sediment on North America's fourth coast, the Great Lakes. Held in two Minnesota cities, Minneapolis and Duluth in August 2015. DredgeFest Great Lakes was organized by the Dredge Research Collaborative, in partnership with the University of Minnesota's School of Architecture and Department of Landscape Architecture. DredgeFest Great Lakes was supported by funding from the University of Minnesota Imagine Chair in the Arts, Design and Humanities, the University of Minnesota Imagine Special Events

Fund, University of Minnesota College of Design, University of Minnesota School of Architecture, Landscape Architecture Magazine, The Bush Foundation, Great Lakes Dredge and Dock, Bay West, the City of Duluth, the Duluth Seaway Port Authority, and the Minnesota chapter of the American Society of Landscape Architects. Organized with the Dredge Research Collaborative (Brett Milligan, Brian Davis, Sean Burkholder, Tim Maly, and Gena Wirth).

"Infrastructure as Landscape"

role: co-chair

Double session at Association of American Geographers Annual Meeting, Chicago, IL, 21 April 2015. Selected as a featured session within the "Radical-Intradisciplinarity" theme.

Organized with Alan Wiig.

2014 "Dredge Landscapes: Sediment Flows, Earth Moving, and Dredge as Design Landscape"

role: non-presenting co-organizer

Panel at ASLA 2014 Annual Meeting, Denver, CO

Organized with the Dredge Research Collaborative (Brett Milligan and Sean Burkholder)

DredgeFest Louisiana

role: lead convener

January 11-17, 2014, New Orleans and Baton Rouge, Louisiana. Organized in partnership with the Robert Reich School of Landscape Architecture at LSU, the Coastal Sustainability Studio at LSU, and Gulf Coast Public Lab. DredgeFest Louisiana included a two-day symposium, two field tours, and four days of workshops hosted by LSU.

Organized with the Dredge Research Collaborative (Brett Milligan, Tim Maly, and Gena Wirth).

2013 Inside Practice

role: lead organizer

Live interview series inaugurating the presence of Virginia Tech's National Capital Region MLA program in 601 Prince Street, the former home of EDAW's Alexandria studio. Modeled on the question and answer format of "Inside the Actor's Studio," "Inside Practice" was a series of live discussions with distinguished practitioners, held every Thursday evening throughout the fall semester. Representing various firms, agencies and organizations around the metropolitan DC region, the discussions served as a lens on the profession of landscape architecture through the experiences and reflections of designers who passed through 601 Prince and EDAW early in their careers.

Organized with program chair Laurel McSherry.

Design Week: Containerization

role: lead organizer

Annual week-long event for landscape architecture students at LSU that launches the spring semester. Organized event and invited Mason White (University of Toronto) as featured speaker and critic.

2012 DredgeFest NYC

role: co-convener

A two-day festival composed of a symposium hosted by Columbia University GSAPP's Studio-X NYC and a narrated boat tour of New York Harbor's landscapes of dredge. Symposium participants included the US Army Corps of Engineers, EPA, NPS, NYC Economic Development Corporation, Kate Orff (SCAPE/Columbia),

Catherine Seavitt (CCNY), Phillip Orton (Stevens Institute of Technology), and Roger Hooke (University of Maine), as well as corporate actors, local non-profits, and advocacy organizations. An exhibition of drawings included work by Gena Wirth (SCAPE/Columbia/Public Laboratory), Seth Denizen (University of Hong Kong), and the Dredge Research Collaborative. DredgeFest NYC was covered by media including Urban Omnibus, the Atlantic Cities, and Scientific American. Organized with the Dredge Research Collaborative (Brett Milligan, Tim Maly, and Stephen Becker).

SELECTED PROFESSIONAL PROJECTS

- Michael Vergason Landscape Architects*
- 2014 Washington University in St. Louis East Campus Landscape Design
NoMA Corridors & Pocket Parks, Washington, DC
Landscape Architecture Foundation Case Study Investigation Series
- 2012-13 Rice University Klein Hall School of Social Sciences, Houston, TX
Rice University Landscape Framework Plan, Houston, TX
- 2011 Central Plaza, Fort Worth, TX
Wharf DC: 7th Street Park and Pier, Washington, DC
Wheaton Town Center, Wheaton, MD
Hartford iQuilt, Hartford, CT
Northwestern University Business School Competition, Evanston, IL
Episcopal High School, various projects, Alexandria, VA
- 2010 National Air and Space Museum Facilities Master Plan, MD/DC/VA
University of Pennsylvania New College House, Philadelphia, PA
- 2009 Harvard Plan for Allston, Allston, MA
- 2008 Silver Place Master Plan Competition and Charette, Silver Spring, MD
University of North Carolina, various projects, Chapel Hill, NC
Rosslyn Gateway, Arlington, VA
- 2006 The American Veterans Disabled for Life Memorial, Washington, DC
Rosslyn Central Place, Arlington, VA
Chapman Cultural Center, Spartanburg, SC

GRANTS AND SUPPORT

EXTERNAL GRANTS RECEIVED

- 2018 U.S. Army Engineer Research and Development Center
"Incorporating Engineering with Nature (EWN) and Landscape Architecture (LA) Designs into Existing Infrastructure Projects"
Grant through Southeast Region Cooperative Ecosystem Services Unit
Awarded \$25,000
Role: Primary Investigator
- 2015-16 Graham Foundation for Advanced Studies in the Fine Arts
2015 Grants to Individuals
"Wicked Ecologies"
Awarded \$5000
Role: Co-Primary Investigator with Prof. Brett Milligan
- 2011-2012 Drylands Design Competition #
2012 Turnbull Prize
California Architectural Foundation, the Arid Lands Institute at Woodbury University and the AIACC Academy for Emerging Professionals
\$10,000 research grant; one of five grant-winning submissions
(Laurel McSherry)

INTERNAL GRANTS RECEIVED

- 2017-19 Auburn University
Intramural Grants Program
"Mobile Bay Mud Lakes: Co-evaluation of Industrial Processes and Plant Communities on Dredged Material Management Areas"
Awarded \$3000
Role: Primary Investigator
(co-I Valerie Friedmann)
- 2016-17 College of Architecture, Design, and Construction
Auburn University
2016 CADC Seed Grants
"Mobile Bay Mud Lakes: Co-evaluation of Industrial Processes and Plant Communities on Dredged Material Management Areas"
Awarded \$3988.97
Role: Co-Primary Investigator with Prof. Valerie Friedmann

EXTERNAL GRANTS APPLIED FOR BUT NOT FUNDED

- 2014 Graham Foundation for Advanced Studies in the Fine Arts
2014 Grants to Individuals
Finalist, "Feral Wilderness"
(Brett Milligan)
- 2013 Graham Foundation for Advanced Studies in the Fine Arts
2013 Grants to Individuals
Finalist, "Isthmus"
(Brian Davis, Brett Milligan)

OTHER SPONSORSHIPS

- 2018 LAND 7331 Studio VI: Thesis
\$18,000 in travel support provided to Auburn and Cornell students and faculty by the Army Corps of Engineers to support student and faculty participation in fieldwork, stakeholder meetings, and design workshops in both Galveston, TX and Ithaca, NY. Studio developed in collaboration with Prof. Brian Davis (Landscape Architecture, Cornell University), building on Engineering with Nature-Landscape Architecture workshop from summer 2017.
- 2017 Resilient by Design Bay Area Challenge
Public Sediment team awarded \$250,000
Dredge Research Collaborative allocated \$25,500
(DRC: Brett Milligan, Gena Wirth, Justine Holzman, and Brian Davis; Public Sediment: SCAPE Landscape Architecture, Arcadis, TS Studio, Buoyant Ecologies Lab, UC-Davis Departments of Design & Human Ecologies, UC-Davis Center for Watershed Sciences)
- Seed Fund 2017 Grants Program
\$10,000 awarded to the Dredge Research Collaborative to fund production of manuscript on dredge design
(Brett Milligan, Gena Wirth, Tim Maly)
- New York State Council on the Arts Grants Program
\$10,750 awarded to the Dredge Research Collaborative to fund production of manuscript on dredge design
(Gena Wirth, Brett Milligan, Tim Maly)

- 2016 DredgeFest California
\$20,000 in sponsorship from Great Lakes Dredge and Dock, Landscape Architecture Magazine, the UC Davis Hellman Fellows Program, the University of California, Davis' Department of Human Ecology, Groundworks Office, and the Delta Protection Commission.
- 2015 DredgeFest Great Lakes
\$30,000 in sponsorship from the University of Minnesota, Landscape Architecture Magazine, Minnesota ASLA, Great Lakes Dredge and Dock, Bay West, and AIA-Minnesota.
- 2014 DredgeFest Louisiana
\$3,000 in sponsorship and in-kind donations from Louisiana State University.
- 2012 DredgeFest NYC
\$2,500 in sponsorship and in-kind donations from Arcadis, TenCate, and TWFM Ferry.

UNIVERSITY SERVICE

- Auburn University*
- 2018-19 *Member*
CADC Research Council
APLA Lectures Committee
MLA Program Strategic Planning & BLA Program Development
- 2017-18 *Member*
APLA Lectures Committee
MLA Program Strategic Planning & Curriculum Revisions
- 2016-17 *Member*
APLA Lectures Committee
MLA Program Strategic Planning & Curriculum Revisions
- University of Florida*
- 2015-16 *Chair*
Departmental Faculty Search Committee
Member
SLA&P Curriculum Committee
Departmental BLA 3 & Pre MLA Fall Field Trip Coordinator
Departmental Curriculum Committee
Departmental Final Presentations/Yearbook Committee
Departmental Graduate Admissions Committee
Departmental Undergraduate Admissions Committee
Departmental Website Committee
Departmental Strategic Planning Committee
DCP & UF Commencement Committee and Spring Marshal
Mentor for University Minority Mentorship Program
- 2014-15 *Member*
DCP Computer & Technology Committee
DCP Witters Competition Departmental Liaison
Departmental Strategic Planning Committee
Departmental Faculty Search Committee
Departmental Final Presentations/Yearbook Committee

PROFESSIONAL SERVICE

- 2018 Tenure peer review (as colleague/collaborator), Brian Davis, Cornell University
Organized colleagues within CELA to advocate for and launch Research by Design track for annual conference. Added as a trial track for CELA 2019. This trial year track had the most full papers submitted of any track at CELA 2019 and the second most total abstract submissions of any track.
Peer review, RBD track at CELA (abstracts)
- 2017 Invited to submit exhibition nominations, Design With Nature Now Exhibition at PennDesign, University of Pennsylvania
Peer review, *Landscape Research Record* (journal article)
- 2016 Jury, Florida Chapter, American Society of Landscape Architects, 2016 Professional and Student Awards
- 2015 Peer review, *Journal of Landscape Architecture* (journal articles)
Peer review, Routledge Press (UK) (book proposal)
Peer review, Council of Educators in Landscape Architecture Annual Conference (abstracts)
- 2014 Peer review, Council of Educators in Landscape Architecture Annual Conference (abstracts)
- 2013 Peer review, Council of Educators in Landscape Architecture Annual Conference (abstracts)