

Aidan Ackerman

Associate Professor of Landscape Architecture
SUNY College of Environmental Science and Forestry
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Education

2025 Doctor of Design
Florida International University College of Communication,
Architecture + The Arts, Miami, FL

2011 Master of Landscape Architecture
Harvard University Graduate School of Design, Cambridge, MA

2002 Bachelor of Fine Arts *cum laude*
New York State College of Ceramics, Alfred University, Alfred, NY

Employment

2024-pres. Associate Professor of Landscape Architecture
SUNY College of Environmental Science and Forestry, Syracuse, NY

2018-2024 Assistant Professor of Landscape Architecture
SUNY College of Environmental Science and Forestry, Syracuse, NY

2014-2018 Director of Digital Media & Landscape Architecture Faculty
Boston Architectural College, Boston, MA

2012-2014 Adjunct Faculty, Digital Media & Landscape Architecture
Boston Architectural College, Boston, MA

2011-2014 Design Mentor, Artscience Labs, Boston, MA

2011-2014 Principal, EarthVision 3D Modeling and Rendering Studio, Boston, MA

2010-2011 Research Computing Environment Staff, The Harvard/MIT Data Center
at the Institute for Quantitative Social Science, Cambridge, MA

2003-2008 Senior Systems Administrator, Eaton & Associates, San Francisco, CA

2002-2003 Computer Technician, Yes Computers, Northampton MA

Awards and Honors

2021	Award for Scientific Excellence, Journal of Digital Landscape Architecture	
2019	CSI Research Fellow, The Landscape Architecture Foundation	
2015	People's Choice Award, Boston Living With Water Competition	
2013	CSI Research Fellow, The Landscape Architecture Foundation	
2010	Penny White Traveling Fellowship, Harvard University Graduate School of Design	

Courses Taught

* indicates co-taught course

Courses Taught at SUNY College of Environmental Science and Forestry

Spring 2025	LSA 301/501 LSA 423/625	Digital Methods & Graphics II Landscape Architectural Design Studio IV/ Construction Documentation Studio*
Fall 2024	LSA 300/500 LSA 327	Digital Methods & Graphics I Landscape Architecture Design Studio II
Spring 2024	LSA 301/501 LSA 423/625	Digital Methods & Graphics II Landscape Architectural Design Studio IV/ Construction Documentation Studio
Fall 2023	LSA 500 LSA 326 LSA 458/459/460	Digital Methods & Graphics I Landscape Architecture Design Studio I* Off-Campus Study
Summer 2023	LSA 300	Environmental Graphic Design
Spring 2023	LSA 301/501 LSA 423/625	Digital Methods & Graphics II Landscape Architectural Design Studio IV/ Construction Documentation Studio
Fall 2022	LSA 300/500 LSA 326	Digital Methods & Graphics I Landscape Architecture Design Studio I
Spring 2022	LSA 301/501 LSA 423/625	Digital Methods & Graphics II Landscape Architectural Design Studio IV/ Construction Documentation Studio
Fall 2021	LSA 300/500 LSA 496/696 LSA 458/459/460	Digital Methods & Graphics I Parametric Modeling and Computational Landscape Design Off-Campus Study

Spring 2021	LSA 301/501 LSA 696	Digital Methods & Graphics II Virtual Environments*
Fall 2020	LSA 300/500 LSA 326	Digital Methods & Graphics I Landscape Architecture Design Studio I*
Spring 2020	LSA 301/501 LSA 496/696	Digital Methods & Graphics II Digital Fabrication
Fall 2019	LSA 300/500 LSA 326	Digital Methods & Graphics I Landscape Architecture Design Studio I*
Spring 2019	LSA 496/696	Modeling and Representing Landscape Processes
Fall 2018	LSA 300/500 LSA 326	Digital Methods & Graphics I Landscape Architecture Design Studio I*

Courses Taught at Boston Architectural College

2012-2018	LAN 2001 Studio: Ecological Analysis & Conceptual Frameworks
2012-2013	LAN 2003 Studio: Housing and Institutional Planning
2017	LAN 3005 Studio: Social Urbanism Travel Studio, Medellín, Colombia
2015	DME 2000 Architecture Representation: Spatial Thinking
2014-2015	DME 2017 Information Graphics, Diagramming & Publishing
2015-2017	DME2021 Narrative Space - Storytelling Through Digital Media
2016-2018	DME 2073 Visual Communication
2014-2015	FND 3010 Making & Modeling
2013-2014	FND 3033 Visual Thinking

Publications * indicates ESF graduate student co-author

Peer-Reviewed Publications

2025 Ackerman, A. (2025). Landscape visualization as a practice of attention and time. *Journal of Landscape Architecture*, (3), 42–50.

2025 Koirala, S., Wang, E., **Ackerman, A.**, & Lee, S. (2025). Exploring Miscommunications in the Construction Industry Through Experiments. *Engineering Proceedings*, 91(1), 6.

2024 **Ackerman A**, Cooper L, Esch E, Gadoth-Goodman D, Constantineau S*, Malmshimer R, & Volk T (2024). Virtual Forests as a Creative Medium for Community Co-Creation and Collaboration. *Ground Works: Creating Knowledge in Common*.

2023 Huang H, Tian Y, Wei M, Jia X, Wang P, **Ackerman A** Chatterjee S, Liu Y, & Tian G. (2023). A Theoretical Nonlinear Regression Model of Rainfall Surface Flow Accumulation and Basin Features in Park-Scale Urban Green Spaces Based on LiDAR Data. *Water*, 15(13), 2442. Impact factor: 3.4

2023 **Ackerman A**, Foulds F, Page B, Auwaerter J, Robinson E* (2023). Cultural Landscape Visualization: The Use of Non-Photorealistic 3D Rendering and Digital Repeat Photography at Statue of Liberty National Monument. *Journal of Cultural Heritage*, 62, 396-403. Impact factor: 3.229

2023 **Ackerman A**, Koudelka*, C., Hirsch, P., & Zaengle, O*. (2023). Problematizing Realism: Confronting Colonial Perspectives and Engaging Complexities of Landscape Through "Ghost Textures". *PRESENCE: Virtual and Augmented Reality*, 20 85-98. Impact factor: 1.750

2023 **Ackerman A**, Tien G, Liu Y (2023). LiDAR-Based Digital Modeling and Comparative Analysis of Urban Street Tree Form and Dimensions. *Journal of Digital Landscape Architecture*: 476-485. Impact factor: 0.52

2022 Zhang X, Lei Y, Li R, **Ackerman A**, Guo N, Li Y, Liu Y. (2022). Research on Thermal Comfort of Underside of Street Tree Based on LiDAR Point Cloud Model. *Forests*, 13(7), 1086. Impact factor: 3.282

2022 **Ackerman A**, Cooper L, Volk T, Malmheimer B, Esch E, Gadoth-Goodman D, & Constantineau S*. (2022). Virtual Reality Visualization of Sustainable Management Practices for Forest Carbon and Climate Change. *Journal of Digital Landscape Architecture*: 392-401. Impact factor: 0.52

2022 Lin CY*, **Ackerman A**, Johnston D, Tian G, & Liu Y. (2022). LiDAR Operation and Digital Modeling Visualization to Communicate Stormwater Management at Green Spaces in Developing Regions. In *Workshop on Visualisation in Environmental Sciences (EnvirVis)*. The Eurographics Association.

2022 Lin CY*, **Ackerman A**, Beier C, & Johnston D (2022). Digital Terrain Editing and Virtual Reality Visualization to Communicate Snow Coverage and Depth Change Related to Thermal Impacts. *Journal of Digital Landscape Architecture*: 95-104. Impact factor: 0.52

2022 Mahoney M*, Beier C. M., & **Ackerman A**. C. (2022). terrainnr: An R package for creating immersive virtual environments. *Journal of Open Source Software*, 7(69), 4060. Impact factor: 5.20.

2021 **Ackerman A**, Crespo A*, Auwaerter J, & Foulds E. (2021). Using Tree Modeling Applications and Game Design Software to Simulate Tree Growth, Mortality, and Community Interaction. *Journal of Digital Landscape Architecture*, 163-170. Impact factor: 0.52

2021 Ramyar R*, **Ackerman, A**, & Johnston D. M. (2021). Adapting cities for climate change through urban green infrastructure planning. *Cities*, 117, 103316. Impact factor: 6.077

2020 **Ackerman A** (2020). Where Have We Come From, and Where Are We Headed? A Comparative Review of Themes in CAD and BIM/LIM Adoption. *Journal of Chinese Landscape Architecture*, 1000-6664.

2020 **Ackerman A**, Wang Y*, Bryant M (2020). Animation of High Wind-Speed Coastal Storm Events with Computational Fluid Dynamics: Digital Simulation of Protective Barrier Dunes. *Journal of Digital Landscape Architecture*: 498-509. Impact factor: 0.52

2019 **Ackerman A**, Cave J*, Lin CY*, Stillwell K*. (2019). Computational Modeling for Climate Change: Simulating and Visualizing a Resilient Landscape Architecture Design Approach. *International Journal of Architectural Computing* 17: 125-147. Impact factor: 1.04

2019 **Ackerman A**, Cave J*, Stillwell K*. (2019). Computation and Visualization of Coastal Sea Level Rise Mitigation Strategies: Digital Applications of Scientific Data to Formulate Design Workflows for Climate Change. *Journal of Digital Landscape Architecture*, 4: 10-20. Impact factor: 0.52

2019 **Ackerman A**. Paving the Way for Building Information Modeling (BIM) Adoption in Landscape Architecture: A Practice-Based Study. *CELA 2019 Conference Proceedings*.

2019 **Ackerman A**, Hoffman R, King M, Keefe M* (2019). "Block Island Wind Farm." *Landscape Performance Series*. Landscape Architecture Foundation.

2019 **Ackerman A**, Hoffman R, King M, Keefe M* (2019). "Hardscrabble Wind Power Project." *Landscape Performance Series*. Landscape Architecture Foundation.

2018 **Ackerman A**, Cave J* (2018). Modeling Coastal Sedimentation and Erosion for Design Applications Within the Fields of Landscape Architecture and Architecture. In: Gobster, Paul H.; Smardon, Richard C., eds. 2018. *Visual Resource Stewardship Conference Proceedings: Landscape and Seascapes Management in a Time of Change*: 262-269. Gen. Tech. Rep. NRS-P-183. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station.

2018 Tang H. and **Ackerman A**. Beijing and Boston: A Comparative Study of Urban Landscape Evolution and Transformation from 1998 to 2018. *CELA 2018 Conference Proceedings*.

2017 **Ackerman A** and Cave J*. Modeling Coastal Sedimentation and Erosion for Design Applications within the Field of Landscape Architecture and Architecture. *VRSC 2017 Conference Proceedings*.

2017 **Ackerman A**, Glekas E (2017). Digital Capture and Fabrication Tools for Interpretation of Historic Sites. *ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences* 107-114. Impact factor: 1.34

2015 Hammer S, **A Ackerman** (2015). Progress and Pitfalls in Community Mapping: Behaviors, Cognitions, and New Directions. *Cities People Places : An International Journal on Urban Environments*, 1: 19–31.

2015 **Ackerman A**, Lundell Garver B (2015). Social Media as a Visualization Tool: Mapping the Urban Landscape. *Landscape Research Record Vol. 4*, pp.2-9.

2015 **Ackerman A** and Bellalta M. (2015). Analysis to Site Design: Landscape Performance and the Design Studio. *CELA 2015 Conference Proceedings*.

2015 **Ackerman A** and Lundell Garver B. Social Media as a Visualization Tool: Mapping the Urban Landscape. *CELA 2015 Conference Proceedings*.

2013 **Ackerman A**, Bellalta M, & McGonagle J (2013). Watch Factory, Phases 1 and 2. *Landscape Performance Series*. Landscape Architecture Foundation.

2013 **Ackerman A**, Bellalta M, & McGonagle J (2013). Erie Street Plaza. *Landscape Performance Series*. Landscape Architecture Foundation.

Non-Peer-Reviewed Publications

2026 **Ackerman A.** "The Spec Stops Here." *Landscape Architecture Magazine*, January 2025: pp pp. Print.

2023 **Ackerman A** & Hoffman R. "Between the Rendered and The Real: Photography as a Comparative Analysis Tool." In *Active Landscape Photography: Diverse Practices*, by Godfrey, A. Routledge, 2023.

2023 **Ackerman A.** "Disrupted Digital Futures: The Rise of Speculative Digital Landscape Simulation in Conceptual Design." In *Conceptual Landscapes: Fundamentals in the Beginning Design Process*, by Bussiere, S. London: Routledge, 2023.

2023 **Ackerman A.** "Mirror Mind." *Landscape Architecture Magazine*, October 2023: 60-68. Print.

2022 **Ackerman A.** "I is for Information." *Landscape Architecture Magazine*, January 2022: 34-44. Print.

2021 **Ackerman A.** "Small Firm, Big Leap." *Landscape Architecture Magazine*, July 2021: 68-79. Print.

2019 **Ackerman A.** "Bona Fide BIM." *Landscape Architecture Magazine*, December 2019:36-44. Print.

2019 **Ackerman A.** "The BIM That Binds." *Landscape Architecture Magazine*, June 2019: 50-60. Print.

Creative Endeavors and Works

2025 Ackerman, A. A Virtual Forest Walkthrough. New York Society of American Foresters Annual Meeting, Saratoga Springs, NY, January 30. *Invited exhibition*

2024 Ackerman, A. (2024, June 6). *Syracuse in 177 Years* [3D animation and projection]. Exhibited at the Everson Museum of Art, Syracuse, NY, during *A Day Without A Clock*.

2023 Virtual reality visualization, TED Conferences, LLC

2023 Forest modeling video simulations and digital fabrication, Harry der Boghosian Fellowship Symposium, Syracuse University School of Architecture

2023 Microsoft Datacenter Community Development Urban Forest Tree Visualization

2023 Virtual reality visualization, American Forests Upward Ground Summit

2023 Martin Van Buren National Historic Site orchard visualizations, The Olmsted Center for Landscape Preservation & The U.S. National Park Service

2023 Flight 93 National Memorial visualizations, The Olmsted Center for Landscape Preservation & The U.S. National Park Service

2022 Historic landscape visualizations of Liberty Island, The Olmsted Center for Landscape Preservation & The U.S. National Park Service

2022 Sustainable forest management practice videos, Climate & Applied Forest Research Institute and the Forest + Climate Visualization Partnership

2018 Reimagining the DL&W Corridor International Ideas Competition

2017 BOS/MEX + MEX/BOS A Causa Del Agua/Because of Water: An Exhibit of Work From The BAC and Centro Metropolitano de Arquitectura Sustentable

2016 Beyond Convention: Expanding the Architectural Graphic, Boston Arts Academy

2014 Harvard Allston Master Plan Renderings, Allston, MA: Reed Hilderbrand Landscape Architects

2013 30 Light Street Design Competition Finalist with Janet Echelman Studio, Baltimore, MD

2012 Tracing the Digital/Physical: A Foray Into Hybrid Geographies, Prix Ars Electronica/The Next Idea, Linz, Austria

Presentations and Critiques * indicates ESF graduate student co-presenter

2025 Ervin S., **Ackerman A.**, Zhang Z., Ashari A. Generative AI in Landscape Architecture - the latest in Computer Aided Design. Digital Landscape Architecture Conference, The Bauhaus, Dessau, Germany, June 5. *Invited panelist*

2025 **Ackerman A.**, White E., Shinn J., Gavitt J. Climate Justice through Strategic Relocation: Designing Resilient and Equitable Communities. The Council of Educators in Landscape Architecture, Portland, OR, March 29. *Proposed and accepted presentation*

2025 Dalton R., **Ackerman A.**, Sleipness O., Tofte E. The Process of Student Learning Assessment: A Comparative Analysis of Three University Approaches. Council of Educators in Landscape Architecture, Portland, OR, March 29. *Proposed and accepted panel*

2025 **Ackerman A.** LA 6940 Special Topics in Landscape Architecture, Cornell College of Agriculture and Life Sciences, February 8. *Guest speaker*

2025 **Ackerman A.** A Virtual Forest Walkthrough. New York Society of American Foresters Annual Meeting, Saratoga Springs, NY, January 30. *Invited exhibition*

2024 **Ackerman A.**, Andrews, L., Song, L. Ask Them Anything, Creating Knowledge in Common. Webinar. January 17. *Invited panelist*

2024 **Ackerman A.** Digital Technologies in Landscape Architecture Panel. Landscape Technology Forum, Harvard Graduate School of Design, Cambridge, MA, November 14. *Invited presentation*

2024 **Ackerman, A.** Virtual Forests and Forest Care. New York Society of American Foresters Annual Meeting, Syracuse NY, February 2. *Invited presentation*

2023 **Ackerman A.** Immersive Ecologies: Exploring Virtual Forests and their Impact on Environmental Stewardship. Dale L. Travis Lecture Series, SUNY College of Environmental Science and Forestry, Syracuse NY, September 14. *Invited presentation*

2023 **Ackerman A.**, Gadoth-Goodman D, Constantineau S*. An Immersive Virtual Reality Forest Carbon Experience. TED Countdown Summit, Detroit MI, July 13. *Invited presentation*

2023 **Ackerman A.**, Tien G, Liu Y. LiDAR-Based Digital Modeling and Comparative Analysis of Urban Street Tree Form and Dimensions. Digital Landscape Architecture Conference, The Bauhaus, Dessau, Germany, May 25. *Proposed and accepted presentation*

2023 **Ackerman A.** ARC500 Professional Elective, Syracuse University School of Architecture, Syracuse, NY. April 17. *guest speaker*

2023 **Ackerman A.** A World Within: An Immersive Performance of Algorithmic Forests. Harry der Boghosian Fellowship Symposium, Syracuse University, Syracuse, NY, March 28. *Invited presentation*

2023 **Ackerman A.** LAN 1038 Plants and Design II, John H. Daniels Faculty of Architecture, Landscape, and Design, University of Toronto, Toronto, Ontario. March 21. *guest speaker*

2023 **Ackerman A.** Experimenting with BIM in Landscape Architecture Construction Documentation Studio. The Council of Educators in Landscape Architecture, San Antonio, TX, March 16, 2023. *Proposed and accepted presentation*

2023 **Ackerman A.**, Constantineau S*, Gadoth-Goodman D, Esch E. A Collaborative Partnership for Visualizing Sustainable Forest Management to Mitigate Climate Change in the Great Lakes

Region. Great Lakes Region Climate Action Seminar, February 9. *Proposed and accepted presentation*

2022 **Ackerman A.** Forest Ecosystem Monitoring Cooperative Conference – Advances in Forest Science: The Role of Innovation and Technology in Stewardship and Engagement. University of Vermont, Burlington, VT, December 15. *Invited panelist*

2022 **Ackerman A.** MLA Studio I, Cornell University Department of Landscape Architecture, Ithaca, NY. December 12. *guest critic*

2022 **Ackerman A.**, Foulds E, Mealey J. Digital Visualization of Cultural Landscapes for Interpretation, Management, and Collaboration. American Society of Landscape Architects Conference on Landscape Architecture, San Francisco, CA, November 12. *Invited presentation*

2022 **Ackerman A.** Virtual Reality Forest Presentation. 1t.org U.S. Chapter Summit, Washington DC, June 23. *Invited presentation*

2022 **Ackerman A.**, Cooper L, Volk T, Malmheimer B, Esch E, Gadoth-Goodman D, Constantineau S*. Virtual Reality Visualization of Sustainable Management Practices for Forest Carbon and Climate Change. Digital Landscape Architecture Conference, Harvard Graduate School of Design, Cambridge, MA, June 9. *Proposed and accepted presentation*

2022 **Ackerman A.** The Immersive Virtual Forest. Arboreal Inquiries Symposium: Recent Explorations in Forests + Design, The Great Lakes Design Labs, March 31. *Invited presentation*

2021 **Ackerman A.** Research on Tree Growth Modeling. In the Context of the 'One Belt, One Road' Strategy- Summit Forum on Sustainable Development of Human Settlements and Carbon Neutrality, Henan Agricultural University, Zhengzhou, China, November 14. *Invited presentation*

2021 **Ackerman A.** Digital Workflows to Compare Turbine Height and Contrast Between Visual Impact Simulations and Post-Construction Photographs. Visual Resources Stewardship Conference, SUNY College of Environmental Science and Forestry, Syracuse, NY, October 22. *Proposed and accepted presentation*

2021 **Ackerman A.**, Crespo A*, Auwaerter J, Foulds E. Using Tree Modeling Applications and Game Design Software to Simulate Tree Growth, Mortality, and Community Interaction. Digital Landscape Architecture Conference, Anhalt University, Dessau-Köthen-Bernburg, Germany, May 27. *Proposed and accepted presentation*

2021 **Ackerman A.** XDS1000 Interdisciplinary Design Studio: Lyceum Fellowship Competition, Boston Architectural College, Boston, MA. May 10. *guest critic*

2021 **Ackerman A.** Master of Landscape Architecture Thesis Reviews, John H. Daniels Faculty of Architecture, Landscape, and Design. University of Toronto, Toronto, Ontario. April 23. *guest critic*

2020 **Ackerman A**, Tiburzi A*, Keefe M*, Robinson R*. Rendering History: Digital Modeling and Visualization of Heritage Landscapes – Statue of Liberty National Monument. New York Statewide Preservation Conference, Landmark Society, Rochester NY, December 2. *Proposed and accepted presentation*

2020 **Ackerman A**. Challenges of Adopting BIM in the United States Design Firm, Landscape Architecture Construction International Online Conference, Department of Landscape Architecture/School of Architecture, Tsinghua University, December 12, Beijing, China, November 27. *Invited presentation*

2020 **Ackerman A**, Wang Y*. Animation of High Wind-Speed Coastal Storm Events with Computational Fluid Dynamics. Digital Landscape Architecture Conference, Harvard Graduate School of Design, Cambridge, MA, June 3. *Proposed and accepted presentation*

2020 **Ackerman A**, Beier C. Digital Storytelling for Climate Adaptive Forest Landscape Management: Computational Modeling and Visualization of Tree Growth In Experimental Forest Sites. IALE-North America Annual Meeting, Toronto, Ontario, May 13. *Proposed and accepted presentation*

2020 **Ackerman A**. ARCH 401-1 D7 Design for Architecture, Philadelphia University + Thomas Jefferson University, College of Architecture and the Built Environment, Philadelphia, PA. May 4. *guest critic*

2020 **Ackerman A**. John H. Daniels Faculty of Architecture, Landscape, and Design. University of Toronto, Toronto, Ontario. Master of Landscape Architecture Thesis Reviews. April 17. *guest critic*

2020 **Ackerman A**. LAN 1038 Plants and Design II, John H. Daniels Faculty of Architecture, Landscape, and Design University of Toronto, Toronto, Ontario. April 3. *guest speaker*

2019 **Ackerman A**. LAN3025 Advanced Computing in Landscape Architecture, John H. Daniels Faculty of Architecture, Landscape, and Design, University of Toronto, Toronto, Ontario. November 25. *guest speaker*

2019 Zhou P, **Ackerman A**, Schmidt L. Zero to One: Open Your Practice to the World of BIM. American Society of Landscape Architects Conference on Landscape Architecture, San Diego, CA, November 17. *Invited presentation*

2019 **Ackerman A**, Keefe M*. Case Study Investigation: A Landscape Performance Post Occupancy Review of Two Wind Farms. Visual Resources Stewardship Conference, Argonne National Laboratory, Lemont, IL, October 29. *Proposed and accepted presentation*

2019 **Ackerman A**. Case Study Investigation Series Presentation, The Landscape Architecture Foundation, Washington DC, August 5. *Invited presentation*

2019 **Ackerman A**. Computation and Visualization of Coastal Sea Level Rise Mitigation Strategies: Digital Applications of Scientific Data to Formulate Design Workflows for Climate Change. Digital

Landscape Architecture Conference, The Bauhaus, Dessau, Germany, May 23. *Proposed and accepted presentation*

2019 **Ackerman A.** John H. Daniels Faculty of Architecture, Landscape, and Design, University of Toronto, Toronto, Ontario. Department of Landscape Architecture. April 5. *guest speaker*

2019 **Ackerman A.** Paving the Way for Building Information Modeling (BIM) Adoption in Landscape Architecture: A Practice-Based Study. Engaged Scholarship: Council of Educators in Landscape Architecture Conference, University of California, Davis, CA, March 8. *Proposed and accepted presentation*

2018 **Ackerman A.** UNITE Maker Nation: Education to Industry, Boston Design Museum, February 22, Boston, MA. *Plenary panelist*

2018 **Ackerman A.** Natural/Digital. Midday Talks Lecture Series, John H. Daniels Faculty of Architecture, Landscape, and Design. University of Toronto, Toronto, Ontario, February 2. *Invited presentation*

2017 **Ackerman A.**, Cave J*. Modeling Coastal Sedimentation and Erosion for Design Applications within the Field of Landscape Architecture and Architecture. Visual Resources Stewardship Conference, Argonne National Laboratory, Lemont, IL, November 8. *Proposed and accepted presentation*

2017 **Ackerman A.**, Gekas E. Digital Capture and Fabrication Tools for Interpretation of Historic Sites. 26th International CIPA Symposium: Digital Workflows for Heritage Conservation, Carleton College, Ottawa, Ontario, August 30. *Proposed and accepted presentation*

2016 **Ackerman A.** Coded Landscape: Programming Natural Phenomena. Dilemma/Debate: Council of Educators in Landscape Architecture, Utah State University, Logan, Utah, March 24. *Proposed and accepted presentation*

2015 **Ackerman A.**, Lundell Garver B. Incite Social Media as a Visualization Tool: Mapping the Urban Landscape. Change/Change Insight: Council of Educators in Landscape Architecture Conference, Kansas State University, Manhattan, Kansas, March 27. *Proposed and accepted presentation*

2015 **Ackerman A.** Analysis to Site Design: Landscape Performance and the Design Studio. Incite Change/Change Insight: Council of Educators in Landscape Architecture Conference, Kansas State University, Manhattan, Kansas, March 26. *Proposed and accepted presentation*

Grants

2026 **Ackerman A (PI).** *A Global Dataset for Landscape Design AI: Tools, Training, and Prototyping.*
SUNY AI Platform Award, State University of New York. \$60,000.

2025 **Ackerman A (fellow).** SUNY ESF Center for Artificial Intelligence, Society, and the Environment, \$5,000.

2023-2028 Volk T (PI), **Ackerman A**, Beier C, Brown T, Crovella P, Kumar D, Malmheimer R, Therasmae O, Vander Yacht A. *NYS Connects: Climate Smart Farms and Forests*. USDA Natural Resources Conservation Service (NRCS), \$11,798,379.

2023-2025 Stella J (PI), **Ackerman A**, King M, Mirowsky J. *Assessing Forests and Their Benefits*, USDA Forest Service, \$26,000.

2019-2029 **Ackerman A (PI).** *Practice-Based Digital Technology Research*. American Society of Landscape Architects/ Landscape Architecture Magazine, \$9,600.

2023 **Ackerman A (PI).** *Virtual Reality at the United Nations Forum on Forests*. American Forests, \$5,000.

2023 **Ackerman A (PI).** *Virtual Reality Forest Experience*. TED Conferences, LLC, \$4,500.

2023 **Ackerman A (PI)**, Malmheimer R, Volk T. *Datacenter Community Development Urban Forest Tree Visualization*, Microsoft Corporation. \$3,000.

2023 **Ackerman A (PI)**, Cronan D. *Virtual Reality at Upward Ground Summit*. American Forests, \$5,000.

2023 Wang E (PI), **Ackerman A**. *Integrating 3D printing With Virtual Reality to Enhance Communication of Engineering and Design*, Engineering Information Foundation \$19,699.

2022-2027 **Ackerman A, (PI)**, Malmheimer R, Volk T. *Roots of EAB Recovery: Detroit, Michigan's Tree Equity Partnership*. Association of State Foresters, USDA Forest Service, \$22,000.

2022-2024 Auwaerter J (PI), **Ackerman A**. *Region 1 Technical Cultural Landscape Preservation Assistance and Training (Phase II)*, The Olmsted Center for Landscape Preservation & The U.S. National Park Service, \$109,000.

2022-2024 Auwaerter J (PI), **Ackerman A**. *Region One Cultural Landscape Inventory, Technical Assistance, and Training*, The Olmsted Center for Landscape Preservation & The U.S. National Park Service, \$108,000.

2022 **Ackerman A**, Bryant M, Hogge T, Storrings D. *Academic Technology Grant*, SUNY College of Environmental Science and Forestry, \$19,087.

2021-2023 **Ackerman A (PI).** *A Digital Tree Growth Modeling and Visualization Toolkit for Historic Landscape Representation*. National Center for Preservation Technology & Training & The U.S. National Park Service, \$18,455.

2021-2023 Auwaerter J (PI), **Ackerman A.** *Support NPS Region One Cultural Landscape Inventory, Technical Assistance, and Training*, The Olmsted Center for Landscape Preservation & The U.S. National Park Service, \$130,000.

2020-2023 Auwaerter J (PI), **Ackerman A.** *Complete Cultural Landscape Treatment and Maintenance Plan for Flight 93 National Memorial Landscape*, The Olmsted Center for Landscape Preservation & The U.S. National Park Service, \$80,000.

2019-2022 Beier C (PI), **Ackerman A.**, Drake J, Brown T, Germain R, Johnston D, King M, Malmshimer R, Volk T. *Pathways to a Net-Zero Carbon Future: Landscape Design for Sustainable Energy and Climate Change Mitigation*. SUNY ESF Discovery Challenge, \$160,000.

2019-2021 Auwaerter J (PI), **Ackerman A.**, Curry G. *Provide Landscape Preservation Training and Technical Assistance*, The Olmsted Center for Landscape Preservation & The U.S. National Park Service, \$97,575.

2019 **Ackerman A (PI)**, Hoffman R, King M. *Case Study Investigation*, The Landscape Architecture Foundation, \$11,000.

2017 **Ackerman A (PI)**, Atwood P. *Student-Defined Curriculum and a Competency-Based Approach to Learning*, Boston Architectural College, Boston, MA, \$3,000.

2014 **Ackerman A (PI)**, Bellalta M. *Landscape Performance Education Grant*, The Landscape Architecture Foundation, \$5,000.

2013 **Ackerman A (PI)**, Bellalta M. *Case Study Investigation*, The Landscape Architecture Foundation, \$11,000.

Service to The Department of Landscape Architecture

2025 Landscape Architecture Faculty Search Committee Chair

2022-2025 Sigma Lambda Alpha Nu Chapter Faculty Representative

2018-2025 BLA Curriculum Committee (committee chair from 2020-present)

2022-2023 Departmental Strategic Plan Working Group Co-Facilitator

2023 Landscape Architecture Faculty Search Committee (3 positions)

2022 Urban Sustainability Cluster Hire Search Committee (1 position)

2022 Administrative Assistant Search Committee

2020 Landscape Architecture Faculty Search Committee (1 position)

2020 Open Academy Online Education Peer Mentor

2018-2023 Department Technology Committee

Service to The College at Large

2025 Capstone Thesis Committee Chair, Emma Bland

2025 Assessment Coordinator Search Committee

2024 Director of Research Development Search Committee

2023-2025 College-Wide Assessment Committee

2023 Delivery of Summer Course for High School Students: LSA 300 Environmental Graphic Design (3 credits)

2022-2023 Student Mentor, Louis Stokes Alliances for Minority Participation

2022-2023 Delivery of Digital Methods and Graphics II via MOOC, Henan Agricultural University

2022 Capstone Examination Committee Chair, Rachael Renzi

2018-2021 Technology & Facilities Committee

2020-2021 Research Committee

2021 Orientation Field Days Session: Virtual Reality and The Digital Forest, SUNY College of Environmental Science & Forestry

2021 Doctoral Candidacy Examination Committee Chair, Asif Mehmood

2020 Dissertation Examination Committee Chair, Michelle Viera

2019-2023 Landscape Visualization Studio Co-Management

2019 Capstone Examination Committee Chair, Sunghoon Hong

2018-2023 Digital Fabrication Lab & Rendering Lab Management

2019 Construction Management Faculty Search Committee (2 positions)

2019 Virtual Reality Open House

2019 Digital Fabrication Lab Campus Open House

2019 ESFHS High School Student Campus Visit presentation

2019 3D Modeling Tutorial, Landscape Club

2019 Portfolio Development Tutorial, Landscape Club

2019 Competition Team Organizer & Faculty Advisor: Reimagining the DL&W Corridor International Ideas Competition

2019 Orientation Field Days Session: Digital Environmental Capture and Simulation with Virtual Reality

Professional Society Offices Held

2022-2026 American Society of Landscape Architects Digital Technology Professional Practice Network Leadership Team (co-chair 2024-2025)

Professional Associations & Honor Societies

American Society of Landscape Architects (ASLA)

Association for Computer Aided Design in Architecture (ACADIA)

Sigma Lambda Alpha