

Andrew Lucia M.ARCH, B.A. Architecture

Azrieli Visiting Scholar, Azrieli School of Architecture and Urbanism, Carleton University, Ottawa
Principal, Andrew Lucia Design & Research LLC (ALDeR), www.andrewlucia.com

Education

2005-2008 University of Pennsylvania, Master of Architecture. M. Arch
1997-2001 University of Minnesota, Bachelor of Arts in Architecture. B.A., Minor Emphasis in Urban Studies

Academic Employment History

Spring, 2018 Azrieli Visiting Scholar, Azrieli School of Architecture and Urbanism, Carleton University, Ottawa
2015-2017 Cass Gilbert Visiting Assistant Professor, School of Architecture, College of Design, University of Minnesota
2011-2015 Visiting Lecturer & Critic, Cornell University, College of Architecture, Art and Planning
2011 Instructor, University of Pennsylvania, School of Design, Graduate Dept. of Landscape Architecture
2008-2011 Instructor, University of Pennsylvania, School of Design, Graduate Dept. of Architecture
2006-2007 Design Studio Teaching Assistant, University of Pennsylvania, School of Design, Graduate Dept. of Architecture

Research Appointments

2011-2014 LabStudio, UPENN & Cornell University
2008-2011 Associate Designer/Researcher, Sabin+Jones LabStudio, Institute for Medicine and Engineering and School of Design, Department of Architecture, University of Pennsylvania.
2007-08 Graduate Research Associate, Nonlinear Systems Organization (NSO), UPENN, School of Design

Professional Employment History (Design works, projects, performances, exhibitions, and research)

2008-current **ANDREW LUCIA Design & Research LLC (ALDeR)**, Minneapolis, MN. Principal 2008-present.

2015-current

- *A Catalog of Difference*, Book and exhibition of Cass Gilbert Fellowship Research
- AREA_DRAWBOT, Paris, February, 2018 (Upcoming)
- Usagi NY, October, 2017
- Goldstein Museum of Design, HGA Gallery, UMN, February – April, 2017.

2016-current

- *Hull Rust and Hibbing Taconite Mine View Overlook*. Design for a new series of a building and earthworks overlooking the Hull Rust Mine in Hibbing, MN. With Iroha Ito and Rehn Hassell, 2016-17.

2017

- *Language of Landscapes*. Composition by Christopher Stark with visuals by Andrew Lucia, 2017.

2017

- *Lux Sphaerae*, Finalist entry for the **Objects Competition, Secret Life of Buildings Symposium**. With Iroha Ito and Samuel Fletcher. SOA UT Austin, Sep. 2016.

2016

- *Study on an Image of a Column, Ornament, and a Radiator*; Digital Etching. Collaboration with Giffen Ott. for the exhibition **TOO REAL**, Ridge Space, Oakland, CA, Sep. 2016.

2015

- *Velocity Meadows, Five Dream Episodes* for solo oboe, chamber winds, electronics, & video. Composition by Christopher Stark with visuals by Andrew Lucia, 2015.

2014

- *Portraits & Signatures*, 2014 (An live exhibition on the study of image, material, authorship, and order) Hartell Gallery, Cornell University AAP, Sibley Hall. Andrew Lucia in collaboration with Taylan Cihan.

2011-2013

- **Professional Office Building/Dental Clinic**, Minnesota. 2011-2013. Project Lead/Designer. Office [4,200 ft²]. Rehn Hassel, Assoc. Architect (YA Architecture)

2010-2013

- *Biennale*, 2010-2013 (a modern opera). Premier: The Barnes Foundation, Phila, PA. October 4th, 2013. Art Direction and Visual Production, Andrew Lucia. Collaboration with Wendy Steiner, producer/librettist; Mary Birnbaum, director; Gary Wedow, Conductor; Paul Richards, composer; & Marie Rim, costumes.

2012-2013

- *Card I*, 2012-13 (instrument design) Andrew Lucia in collaboration with Taylan Cihan.

2012

- *An*, 2012 (live visuals to accompany the world premier performance of *An*, Taylan Cihan, 2012) Taylan Cihan, Composer; Andrew Lucia, visuals; Chris Kim, Niccolo Athens, Amit Gilutz – conductors.

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- 2012 · *i don't recall [amarcord.2]*, 2012 (a multimedia collaboration exploring live visuals and sound)
Visuals, Andrew Lucia. Collaboration with Taylan Cihan, Sound.
- 2011 · *Traces on the Farther Side*, 2011 (real-time visualization for live or recorded performance of *A Flower on the farther side*) Computational design and co-direction, Andrew Lucia. Collaboration with Wendy Steiner, co-director and producer. Commissioned by Parthenia, A Consort of Viols, to accompany Frances White's *A Flower on the farther side*-opening premier at *Night Visions*, Picture Ray Studios, NYC. Oct., 2011.
- 2008-2010 · **Meander Variiegating Architecture**; (a book) 2008-2010 [by Kolatan, F. & Sabin, J. (Bentley Press)]
Cover and Graphic design by Andrew Lucia. [500 pages, color]
- 2008 · *The Protection Papers; Borders, Boundaries, and Blockades in the Art of Dennis Oppenheim*, 2008
Temporal investigations, film reconstructions, and renderings by Andrew Lucia.
Collaboration with Aaron Levy, author of study (Slought Foundation, Philadelphia PA)
- 2008-2014 **LABSTUDIO**. Senior Researcher/Designer. 2008-2014.
- *NSF EFRISEED grant funded research titled: Energy Minimization via MultiScalar Architectures: From Cell Contractility to Sensing Materials to Adaptive Building Skins*
Co-Author/Senior Personnel. 2010-2014.
- *Branching Morphogenesis* (installation)
Lead Design/Project Management
-*Ars Electronica 2009 inaugural exhibition*. Ars Electronica. Linz, Austria. 2009-10.
-*Siggraph Evolve 2008 Exhibition*. Los Angeles, CA. Aug. 2008.
- *Ground Substance* (installation)
Design/Project Management
-*Fertile Ground exhibition*. Philadelphia, PA. Oct, 2009.
-*Siggraph 2009 Generative Fabrication Galleries*. New Orleans, LA. Aug. 2009.
- 2008 **KELLER EASTERLING ARCHITECT**, New York
- *Ordos, Mongolia Villa*, Ordos, Mongolia
Project Team, 2008.
- 2008 **sull architecture+design**, New York
- *Chromazon*, Queens, New York [MOMA PS1 YAP Finalist]
Project Design Team, un-built 2008.
- 2007 **BARKOW LEIBINGER ARCHITECTS**, Berlin
- *Pavilion at Museum für Angewandte Kunst*
Project Concept and Design 2007, Frankfurt
- *Home Delivery Exhibition at MoMA*
Project Team, un-built 2007, New York
- 2007 **RUY KLEIN ARCHITECTS**, New York
- *Knot Garden*, Queens, New York [MoMA PS1 YAP Finalist]
Project Lead Design, un-built 2007
- 2006 **ARUP ENGINEERS ASSOC., ADVANCED GEOMETRY UNIT**, London
- **AGU Artist's Space Exhibition** New York.
H_edge by Cecil Balmond, AGU, and Jenny Sabin
Project Management and assembly, Summer 2006.
- 2004-2005 **MARC ASMUS ARCHITECT**, Minneapolis, MN. Intern Architect
- 2001-2004 **YUNKER+ASMUS ARCHITECTURE**, Minneapolis, MN. Intern Architect

Peer Reviewed/Juried Publications/Invited Book Chapters (selected)

- 2017 Lucia, A. "**Motility and the Observation of Change**" chapter in *LabStudio: Design Research Between Architecture & Biology*, by Sabin & Jones, Routledge/Taylor and Francis, 2017.
- 2017 Lucia, A. **A Catalog of Difference**. UMinn Papers on Architecture, Vol. 2, 2017 (exhibition catalog).
- 2016 Lucia, A. "**Between Categories; Sullivan's Parallelism**" in *The Cornell Journal of Architecture; Spirits*, Vol. 10. Actar, 2016.
- 2015 Lucia, A. "**Sympathy & Surface; in depth & difference**" Proceedings of the 103rd ACSA Conference, Toronto, CA, 2015.
- 2014 Lucia, A & Sabin J. "**Rethinking Xenakis and the Role of Information in the Immediate Production of Architectural Affects**" *Proceedings of the Music in Architecture – Architecture in Music Symposium* in CENTER, University of Texas at Austin, 2014.
- 2014 Sabin, Lucia, Ott & Wang. "**Prototyping Interactive Nonlinear Nano-to-Micro Scaled Material Properties and Effects at the Human Scale**" *Proceedings of SimAud*, Tampa, FL.
- 2013 Wang, Lucia, & Sabin. "**Simulating Nonlinear Nano-to-Micro Scaled Material Properties and Effects at the Architectural Scale**" *Proceedings of SimAud*, San Diego, CA, 2013.
- 2013 Lucia, Jones, & Sabin. "**Memory, Difference, and Information: Generative Architectures Latent to Material & Perceptual Plasticity**" in *Knowledge Visualization Currents: from Text to Art to Culture*, Frank T. Marchese & Ebad Banissi eds., Springer-Verlag, London, 2013. [expanded from original paper]
- 2011 Lucia, Jones, & Sabin "**Memory, Difference, and Information: Generative Architectures Latent to Material & Perceptual Plasticity**" *Proceedings of the 15th International Conference on Information Visualization*, IEEE Computer Society. London. p. 379-388, 2011.
- 2010 Lucia, Lee, & Lake. "**Pitch to Rhythm :: Rhythm to Pitch**" *Leonardo Music Journal*, MIT Press. December 2010, Vol. 20, Pages 97-97. Published Online 12 November 2010.
http://www.mitpressjournals.org/doi/abs/10.1162/LMJ_a_00025

Projects Published (select):

- 2016 Lucia. "**Traces on the Farther Side**" in *Architecture and Music: Indulging with Time*, World Architecture, Beijing, China, 2016.
- 2015 Lucia. "**Sympathy & Surface**" in *Associations, Vol. 7*. Cornell University AAP, 2015
- 2015 Lucia & Cihan. "**Portraits & Signatures**" in *Associations, Vol. 7*. Cornell University AAP, 2015
- 2014 Lucia & Cihan. "**CardI**" in *Associations, Vol. 6*. Cornell University AAP, 2014
- 2013 Lucia & Cihan. "**An**" in *Associations, Vol. 5*. Cornell University AAP, 2013
- 2010 Kolatan, F. & Sabin, J. **Meander Variiegating Architecture**._ Bentley Press, Exton, PA. 2010. Cover design, graphic design, and select works by Andrew Lucia.
- 2010 Lucia, A. **Form Between Matter**. Graduate thesis with Annette Fierro (advisor). Self-published. 2010.
- 2008 Lucia, A. "**Alpha 60**" *Via; Occupation*, PDSP/School of Design, University of Pennsylvania, Philadelphia, PA. pp 184-5, 2008.
- 2008 Levy, A. "**The Protection Papers; Borders, Boundaries, and Blockades in the Art of Dennis Oppenheim**" *Via; Occupation*, PDSP/School of Design, University of Pennsylvania, Philadelphia, PA. pp 60-65, 2008. Collaboration with Aaron Levy; temporal investigations/reconstructions and renderings by Andrew Lucia.

Lectures & Paper Presentations

May, 2017	Invited Lecture, "Sympathy for Sullivan." Northwest Architectural Archives, UMN
March, 2017	Lecture. "A Catalog of Difference." To accompany exhibition, UMN, School of Architecture.
June, 2015 & 2016	Invited Lecture. "Sound & Image; Studies in Production and Affect." PENNParis Program, Paris, France.
April, 2015	Invited Lecture. "Between Categories." University of Puerto Rico, San Juan.
March, 2015	Paper Presentation. "Sympathy & Surface; in depth & difference" in <i>The Articulate Object</i> paper session led by Michael Young, 103rd ACSA , Toronto, Canada.
October, 2013	Invited Lecture. "Seeing and the Constructed Image." New Jersey Institute of Technology.
March, 2013	Invited Lecture. "Information or Geometry?" rumin(ATE) Series , Cornell University.
Oct, 2011	Paper Presentation. "Rethinking Xenakis and the Role of <i>Information</i> in the Immediate Production of Architectural Affects," Music in Architecture—Architecture in Music Symposium , Univ. of Texas, Austin.
July, 2011	Paper Presentation. "Memory, Difference, and Information: Generative Architectures Latent to Material & Perceptual Plasticity," 15th International Conference on Information Visualization , IEEE Computer Society. London. Lecture. "Scale-free Analysis of Dynamic Data Sets: Difference, Uncertainty and Perception," joint lecture by Sabin+Jones and Lucia for The Wharton Advanced Management Program , University of Pennsylvania.
July, 2010	Public Lecture. "Nonlinear Systems and Design," joint lecture by Sabin+Jones and Lucia for The Wharton Interactive Media Initiative (Penn Interactive Media Colloquium) , University of Pennsylvania.
Feb, 2010	

Awards and Distinctions

2017	Nomination for United States Artist Fellowship
2016	<i>Lux Sphaerae</i> . Finalist entry for Objects Competition, Secret Life of Buildings Symposium. SOA UT Austin.
2014	Best Paper Award at SimAud2014, Tampa, FL. [LabStudio, Cornell]
2013	<i>Card I</i> awarded semi-finalist in the Margaret Guthman Musical Instrument Competition, Georgia Tech 2013
2010-2011	Artist in Residence, Breadboard Gallery and NextFab Studio, Philadelphia, PA [LabStudio, UPENN]
2010	First Prize in Illustration, 2009 Science/NSF International Science and Engineering Visualization Challenge, awarded to <i>Branching Morphogenesis</i> [Sabin+Jones LabStudio]
2008	Arthur Spayd Brooke Memorial Prize, Silver Medal. For distinguished work in architectural design, UPENN
2007	First Place, E. Lewis Dales Memorial Traveling Fellowship, UPENN
2007	Samuel K. Schneidman Fellowship awarded on the basis of demonstrated excellence, UPENN
2007	James Smyth Warner Memorial Prize for highest record in required studio courses, UPENN
2006	Melhorn Scholarship for outstanding work in the theory sequence, UPENN
2006	Prowler Memorial Prize for outstanding record in sustainable design, UPENN

Scholarly Service

2017	Coordinator, Architecture as Catalyst 2017; Difference , School of Architecture, CDes, UMN
2016	Co-coordinator, Fall UMN Architecture Lecture Series ; w/ Prof. Kristine Mun
2016	Coordinator, Architecture as Catalyst 2016; Representing Systems , CDes, School of Architecture, UMN
2015-current	Coordinator, Digital Assistant Program , College of Design, UMN
2015-current	Liaison to the Academic Technology Committee , CDes, School of Architecture, UMN
2014	Invited juror/reviewer, Cornell Council for the Arts grant awards.
2013	Invited juror/reviewer, Cornell Council for the Arts grant awards.
2013	Ellen Fullman Artist Residency , liaison and co-coordinator, Cornell AAP.
2012	Invited peer reviewer, 16th International Conference on Information Visualization, IEEE Computer Society.
2011	Invited peer reviewer, 15th International Conference on Information Visualization, IEEE Computer Society.
Mar, 2010	Tutor, Smart Geometry Workshop Barcelona 2010. Cluster: <i>Nonlinear Systems Biology</i> [LabStudio]
2009	Extramural advisor to Joel Ong, Masters of Science (Biological Art) candidate at SymbioticA , the University of Western Australia, School of Anatomy and Human Biology.

Grants Awarded

2015	"A Taxonomy of Structural Curvature & Light Signatures." Funded by the School of Architecture SEED Grant, U of MN [\$9000], 2015-16.
2015	"Using Spatially Varying Reflectance Information in Architectural Material Selection," Gary Meyer (PI), Andrew Lucia (co-PI). Funded by the DDC, U of MN [\$20,470.11], 2015-16.
2011	Mellon Grant for <i>Biennale</i> , Wendy Steiner (PI & author of Libretto) and Paul Richards (Composer) [\$45,000] [Andrew Lucia Design and Research; lead design of visual production].
2010	EFRI-SEED: Energy Minimization via Multi-Scalar Architectures: From Cell Contractility to Sensing Materials to Adaptive Building Skins. Shu Yang (PI), Nader Engheta, Jan Van der Spiegel, Peter Lloyd Jones & Jenny Sabin (co-PIs), Andrew Lucia (senior personnel), University of Pennsylvania [\$2.0 Million][LabStudio].

Curriculum Vitae (updated Winter/Spring, 2018)

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2009

Wharton WIMI Grant, University of Pennsylvania [\$5,000] [LabStudio].