

# Daniel A. Barber cv

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## Education

- 2010 **PhD Architecture (History and Theory) • Columbia University** Graduate School of Architecture, Planning, and Preservation and Graduate School of Arts and Sciences, New York, NY.  
Dissertation: *The Modern Solar House: Architecture, Energy and the Emergence of Environmentalism, 1938-1959*. Advisors: Reinhold Martin and Felicity Scott. Readers: Mark Wigley (Columbia), Kenneth Frampton (Columbia) and Peder Anker (NYU).
- 2005 **MED (Master of Environmental Design) • Yale University** School of Architecture, New Haven, CT.
- 2000 **MFA Studio Art • Mills College**, Oakland, CA.
- 1995 **BA (Summa cum Laude) Comparative History of Ideas • University of Washington**, Seattle, WA. Minor in Art History.

## Positions Held

- 2012– **Assistant Professor of Architecture • University of Pennsylvania** School of Design, Philadelphia, PA.  
**Associate Chair**, Department of Architecture
- 2011–2012 **Term Assistant Professor of Architecture • Barnard College** and Columbia College Undergraduate Program in Architecture, Columbia University, New York, NY.
- 2010–2011 **Ziff Environmental Fellow • Harvard University** Center for the Environment and Graduate School of Design, Cambridge, MA.
- 2010–2011 **Lecturer in Landscape Architecture • Harvard University** Graduate School of Design, Cambridge, MA.
- 2009–2010 **Visiting Instructor of Modern Architectural History • Oberlin College** Department of Art History, Oberlin, OH.
- 2008–2009 **Lecturer in Architectural History • Yale University** School of Architecture, New Haven, CT.  
**Adjunct Instructor in Architectural History and Theory • Parsons The New School for Design** School of Constructed Environments, New York, NY.
- 2007–2008 **Lecturer in History and Theory of Architecture and Urbanism • University of Auckland** School of Architecture and Planning, Auckland, New Zealand.
- 2006–2008 **Graduate Teaching Fellow • Columbia University** Graduate School of Architecture, Planning, and Preservation, New York, NY.
- 2004–2007 **Lecturer in Architectural History • Yale University** School of Architecture.

- 2003–2004 **Graduate Teaching Fellow** • Yale University School of Architecture, New Haven, CT.  
2001–2003 **Project Manager and Policy Liaison** • Peterson Littenberg Architecture and Urban Design New York, NY.  
1995–2001 **Instructor of Art History** • Collegiate School New York, NY • **School of Visual Arts** New York, NY. • **Mills College** Oakland, CA. • **The Friends of Photography** San Francisco, CA. • **University High School** San Francisco, CA.  
1998–2000 **Program Assistant** • San Francisco Planning and Urban Research San Francisco, CA.

## Publications: Books

- In Production **A House in the Sun: Modern Architecture and Solar Energy in the Cold War** (Oxford University Press, expected publication Summer 2015).  
In Development **Climatic Effects: Architecture, Technology, and the Globalization of the International Style** (under review for an Advance Contract with Princeton University Press, expected publication Summer 2017)

## Publications: Peer Reviewed Articles and Chapters

- Forthcoming **Architecture** in Imre Szeman, Jennifer Wenzel, and Patricia Yaeger, editors, *Fueling Culture: Energy, History, Politics (A Catalog)*. (New York: Fordham University Press, 2014).  
**After Nature** in Andrew Leach, ed., *The Historiography of the Architectural Present* (Ghent, Belgium: A & S Books, 2015).  
**The Global Project of Bio-Climatic Regionalism** in Daniel Barber, William Braham, and Dan Willis, editors, *Architecture and Energy: The Influence of Climate and Region* (New York: Routledge, 2015).  
**Architecture and Biometeorology, c. 1960** in Charissa Terranova and Meredith Tromble, ed. *The Routledge Handbook to Biology in Art and Architecture* (New York: Routledge, 2016).  
Under Review **The Mid-Century Solar House: Architecture, Energy, and Politics** a “Gallery Essay” at *Environmental History*.  
**The Nature of the Image: Architecture, Humans and History in the Anthropocene** at *Public Culture*.  
2014 **The Thermoheliodon: Climatic Architecture at the End of Calculation** in *The ARPA Journal: Applied Research Practices in Architecture*, Issue 1: “Test Subjects” (May, 2014) published by the Columbia University Graduate School of Architecture, Planning, and Preservation.  
**Comfort Climatico e Riscaldamento Globale: l’architettura e l’Anno Geofisico Internazionale, 1957-1958** [Thermal Comfort and Global Risk: Architecture at the International Geophysical Year, 1957-1958] in *Le Culture della Tecnica* no. 25 (Spring, 2014), 139-154.  
**Tomorrow’s House: Architecture and The Future of Energy in the 1940s** in *Technology and Culture*, vol. 55, no. 1 (February 2014): 1-39. Includes an online gallery of additional visual material at [historyoftechnology.com](http://historyoftechnology.com)  
**Living with the Sun: Solar Radiation and the Politics of Lifestyle in the Modern American House, ca. 1959** in *Le Jeu Savant: Light and Darkness in 20<sup>th</sup> Century*

- Architecture* (Mendrisio, Switzerland: Accademia di Architettura Press, 2014): 13-26.
- 2013 **The World Solar Energy Project, ca. 1954** in *Grey Room* 51 (Spring, 2013), 64-93.
- Experimental Dwellings: Modern Architecture and Environmental Research at the MIT Solar Energy Fund, 1938-1963** in Arindam Dutta, editor, *A Second Modernism: MIT, Architecture, and the 'Techno-Social' Moment* (Cambridge: MIT Press, 2013): 252-285.
- Hubbert's Peak, Eneropa, and Visualization of Renewable Energy** published online at places.designobserver.com on May 20, 2013; also published as **Visualizing Renewable Resources** in William Braham and Dan Willis, editors, *Architecture and Energy: Performance and Style* (New York: Routledge, 2013): 256-279.
- 2012 **Le Corbusier, the *Brise-soleil*, and the Socio-climatic Legacy of Modern Architecture** in *thresholds* no. 40: "Socio-" (Summer, 2012): 21-32.
- The Solar House Principle: Architecture and Infrastructure in the 1940s** in *Delft Architectural Studies on Housing (DASH)* vol. 5 (2012): 18-33; issue theme: "Eco-House: Typologies of Space, Lifestyle, and Production."
- 2009 **Environmentalisation and Environmentality: Re-conceiving the History of 20<sup>th</sup> Century Architecture** in *Design Philosophy Papers*, Issue 3 (online): "Design History Futures: Sustaining What?" (December, 2009); selected for the annual print edition, *Design Philosophy Papers Collection 5* (Sydney: DPP Press, 2010): 57-69.
- André Bloc in Iran: the Politics of Oil and the Synthesis of the Arts, 1954-1958** in John MacArthur and Andrew Leach, editors, *Architecture, Disciplinarity, and the Arts* (Ghent, Belgium: A & S Books, 2009), 99-112.
- 2005 **Militant Architecture: Destabilizing Architecture's Disciplinarity** in *The Journal of Architecture*, vol. 10, no. 3 (June 2005): 245-253; also published in Mark Dorrian and Jane Rendall, editors, *Critical Architecture* (London: Taylor & Francis, 2007), 57-66.
- Is It Simple to be an Anti-Humanist in Architecture?** in *thresholds* no. 35 (June 2005), 12-18.

## Publications: Commissioned Essays

- 2014 **Lessons from *Lessons from Modernism*** in Kevin Bone, editor, *Lessons From Modernism: Environmental Strategies in Architecture, 1925-1970* (New York: Monacelli Press, 2014) based on an exhibition organized at the Cooper Union, Spring 2013.
- The Casablanca Solar House: Architecture, Energy, and the Political Economy of Technological Exchange in the Cold War** in Ashley Schafer, Ana Miljacki, and Eva Franch-Gilbert, editors, *AGENDA: The Catalogue of the US Pavilion at the Venice Biennale* (Zurich: Lars Muller, 2014): 150-161.
- 2013 **Climate and Region: The Post-War American Architecture of Victor and Aladar Olgyay** in *Manifest* vol. 1: Looking Inward (Fall, 2013): 68-75.
- 2011 **Making Design Environmental: the Correctional Facilities Studios at the UC Berkeley College of Environmental Design, 1965-67** in *Pidgin (the Journal of the Princeton University School of Architecture)* vol. 10 (May, 2011): 54-67.
- 2009 **Pollution and/as History** in Jorge Otero-Pailos, editor, *The Ethics of Dust* (Vienna: Verlag der Buchhandlung Walther König, 2009): 80-85.

## Publications: Edited Volumes

- Forthcoming **Energy Accounts: Architectural Representations of Energy, Climate and the Future** Daniel A. Barber, William Braham, Katsuhiko Muramoto, and Dan Willis, editors. (New York: Routledge, 2015) [under contract].
- American Architectural Education Outside Itself: Crossing Borders, Breaking Barriers** Daniel A. Barber, David Leatherbarrow, and Joan Ockman, editors [out for editorial review at University of Pennsylvania Press].
- White Paper on Energy History and Energy Policy** Daniel A. Barber and Christopher Jones, editors. (Philadelphia, PA: Kleinman Center for Energy Policy, 2015) [in development].

## Publications: Reviews and Proceedings

- Forthcoming **Book Review: *Use Matters: An Alternative History of Architecture* edited by Kenny Cupers** in *Technology and Culture* vol. 56, no. 3 (May 2015).
- Book Review: *The Architecture of Paul Rudolph, by Timothy Rohan*** in *Journal of the Society of Architectural Historians* vol. 74, no.3 (September, 2015).
- 2014 **"A Not So Utopian Future:" Architecture and Energy Forecasting in the 1940s** in Shane Brennan, et al., eds. *Lines and Nodes: Media, Aesthetics, and Infrastructure*. (New York: New York University Department of Media, Culture, and Communication, 2014).
- Book Review: *A Handbook of California Design, 1930-1965: Craftspeople, Designers, Manufacturers* by Bobbye Tigerman** in *Technology and Culture* vol. 55, no. 2 (February 2014).
- 2012 **Book Review: *From Bauhaus to Ecohouse: A History of Ecological Design*** by Peder Anker in *The Nordic Journal of Architecture* vol. 1, no. 4 (Winter, 2012).
- Constructing A Solar House, c.1959** in *Proceedings of the 4<sup>th</sup> International Conference on Construction History*, École Nationale Supérieure d'Architecture, Paris Malaquais, Paris, France, July 3-7, 2012.
- 2011 **"Tomorrow's House:" Solar Energy as a Territorial Project, 1938-1947** in Alberto Perez-Gomez, Anne Cormier, and Annie Pedret, editors, *Where Do You Stand? Proceedings from the 99<sup>th</sup> Annual Conference of the Association of Collegiate Schools of Architecture (ACSA)* (Montreal: McGill School of Architecture, 2011).
- 2010 **Book Review: *Hijacking Sustainability* by Adrian Parr** in *American Book Review*, (special issue on *Environmental Humanities*), vol. 32, no. 1 (December 2010).
- Green Infrastructure** in Amanda Reeser and Elizabeth Christoforetti, editors, *Infrastructure and the Future: Assessing the Architect's Role*. (Boston, MA: Northeastern University School of Architecture, 2010).
- 2009 **Le Corbusier, the *Brise-soleil* and the Environmentalization of Modern Architecture, 1929-1963** in Anthony Rizzuto, editor, *Le Corbusier, Revisited* (Marietta, GA: Southern Polytechnic State University, 2009), 147-155.
- 2008 **Symposium Review: "Sustainable Architecture Today and Tomorrow: Reframing the Discourse"** (Yale University, April 4-5, 2008) in *Constructs*, (Fall 2008), 32.

- 2007 **Architecture and Technology at the Association for Applied Solar Energy, 1954-1958** in *Techniques and Technologies: Transfers and Transformation*. (Sydney: Association of Architecture Schools of Australasia, 2007), 45-62.
- 2006 **Symposium Review: "Philip Johnson and the Constancy of Change" (Yale University, February 16-18, 2006)** in *Constructs* (Fall 2006), 16-17.

### Invited Lectures: Public Lectures and Conferences

- Upcoming **The Nature of the Image: Bioclimatic Architecture and the Global Imaginary, c. 1957** part of the Baumer Lecture Series, Department of Architecture, Knowlton School of Architecture, Ohio State University. January 21, 2015.
- Measuring Machines: Architecture and Climate in the 1950s** at *Architecture/Machine: Programs, Processes, and Performances*, Swiss Federal Institute of Technology (ETH) Zurich, Switzerland, January 29-31, 2015.
- The Nature of the Image: Bioclimatic Architecture and the Global Imaginary, c. 1957** as part of the Research Forum at the Courtauld Institute, London, sponsored by the Terra Foundation for American Art, February 17, 2015.
- Agenda: Considering the US Pavilion at the 2014 Venice Architectural Biennale** lecture and panel discussion at the Northeastern University School of Architecture, February 25, 2015.
- Making Design Environmental** at the Environment, Sustainability, and Design Educator's Workshop: Pedagogical Strategies and New Models. The Institute for Sustainable Design, The Cooper Union for the Advancement of Science and Art. New York, NY, March 20-23, 2015.
- Architecture and Energy Policy in the Immediate Post-War** for *Energy History and Energy Policy* symposium and workshop, Kleinman Center for Energy Policy, University of Pennsylvania. May 3-5, 2015.
- Climate, Data, and Diagrams: Victor and Aladar Olgyay in the 1950s** a panel discussion with Victor Olgyay, Jr., and Ken Yeang at the AIA Annual Convention, Atlanta GA, May 12-14, 2015.
- The Environmental Turn** part of the panel "Paradigm Shifts" at *Learning/Doing/Thinking: Educating Architects in the 21<sup>st</sup> Century* at Yale University School of Architecture, April 7-9, 2016.
- 2014 **The Nature of the Image: Bioclimatic Architecture and the Global Imaginary, c. 1957**, plenary lecture at *Constructed Environments*, Philadelphia, PA, Oct 16.
- Lessons From *Lessons from Modernism*** at the Institute for Sustainability Lecture Series, Cooper Union for the Advancement of Science and Art, New York, NY, October 2.
- Energy, Space and Politics** at "Crude Ideal" part of the *OfficeUS Issues Talks*, US Pavilion, Venice Architecture Biennale, Venice, Italy, June 6.
- 2013 **Energy and/as Domesticity in Post-war America**, at *Modernity, Interior Architecture, and the Home*, Athens Seminar organized by Hilde Heynen, Department of Architecture, Catholic University, Leuven, Belgium, November 21.
- Climatic Effects: Humanism, Environmentalism, and the Architecture of the Comfort Zone, c. 1957** at *Design of Self*, the Department of Architecture and Urban

- Design, University of California at Los Angeles, February 22-23.
- 2012 **What is a House? The Solar Suburb and the End(s) of Mid-Century Modernism** at *Technics and Art: Architecture, Cities, and History after Mumford*, the Temple Hoyne Buell Center for the Study of American Architecture, Columbia University, April 13.
- 2011 **A Brief History of Urban Ecologies** at *Sustainable Architecture: Growing Greener Cities* sponsored by *Consilience – Columbia University Journal of Sustainable Development*, Columbia University, November 30.
- Visualizing Renewable Resources: Architecture and Alternative Energy at Mid-Century** at *Units, Ideas and Images in the History of Energy*, The Energy History Project of the Harvard Center for the Study of History and Economics, Harvard University, Cambridge, MA, November 18.
- The World Solar Energy Project, c. 1954** as part of *Elsewhere Envisioned*, a symposium organized by the Global Design Working Group at the Gallatin School of Individualized Study, New York University, New York, NY, June 10.
- Design and Technology at the Dover Sun House** for the Northeast Chapter of the Society of Architectural Historians lecture series, Cambridge, MA, May 5.
- 2010 **The World Solar Energy Project, c. 1954** at *History, Theory and Criticism Fall Lecture Series*, Department of Architecture, Massachusetts Institute of Technology, Cambridge, MA, October 26.
- 2007 **André Bloc in Iran** at *Architecture, Disciplinarity, and the Arts*, University of Queensland, Brisbane, Australia, August 17-18.
- The ‘Innovation in Correctional Facilities’ Studio, Berkeley, 1966** at *StudioScope: Design and Pedagogy*, Graduate School of Design, Harvard University, April 13-14.

### Invited Lectures: Symposia and Workshops

- Upcoming **History and Theory of Architecture and Climate** a series of lectures and workshops at the Princeton University School of Architecture, February 2 to May 4, 2015.
- Architecture’s Globalizations** as part of the PhD Talks, a colloquium of the University of Pennsylvania Department of Architecture PhD program. April 3, 2015
- 2014 **The Nature of the Image: Bioclimatic Architecture and the Global Imaginary, c. 1957** as part of the Colloquium Series of the History of Art Department, University of Pennsylvania, October 31, 2014.
- Global Histories of Climatic Architecture** for the Workshop of the Global Architectural History Teaching Collaborative, Massachusetts Institute of Technology, Cambridge, MA, October 10-11.
- Living with the Sun: Solar Radiation and the Politics of Lifestyle in the Modern American House, ca. 1959** at *Le Jeu Savant: Light and Darkness in 20<sup>th</sup> Century Architecture* symposium, Accademia di Architettura, Università della Svizzera Italiana, Mendrisio, Switzerland, October 24-25.
- The Ends of Calculation: Olgyay and Olgyay at Princeton** at *Looking Backwards and Projecting Forwards*, Princeton University School of Architecture, May 28.
- Research as Resource; or, Scientists Looking for Architects** at *Resource Histories Workshop* part of the “Plots” platform of the Aggregate Architectural History Collaborative (we.aggregate.org), Pratt Institute, New York, March 28.

- Climatic Effects: Olgay and Olgay and the Architectural History of the Anthropocene** Harvard University, History of Art and Architecture Department, February 26.
- 2013 **Complementary Resources: Architecture, Energy and the Global South at Mid-Century** at *Systems and the South*, part of a series of workshops sponsored by the Aggregate Architectural History Collaborative, John H. Daniels Faculty of Architecture, University of Toronto, September 19-20.
- Distributed Energy Production and the Future of Architecture in the 1940s** at *Not Smart Enough: Digital and Urban Infrastructure* workshop and symposium, Center for Architecture, Urbanism, and Infrastructure (CAUI), Princeton University School of Architecture, April 20.
- Climatic Effects: Architecture and Technology in the Invention of the Comfort Zone, c. 1957** at the Workshop Series in History and Sociology of Science, Medicine, and Technology, Department of the History and Sociology of Science, University of Pennsylvania, February 11.
- Climatic Effects: Architecture and Technology in the Invention of the Comfort Zone, c. 1957** at the Workshop Series of The Temple Hoyne Buell Center for the Study of American Architecture and the PhD Program in Architecture History and Theory, Columbia University GSAPP, February 1.
- 2012 **Design Opportunities and Ecological Assessments, c. 1968** at *Land Art and its Antecedents* colloquium, Department of Art History, New York University Institute of Fine Arts, New York City, April 7.
- 2011 **Phase-Change: Maria Telkes after the *Dover Sun House*** at the *Boston Environmental History Seminar*, Massachusetts Historical Society, Boston, MA, December 13.
- The Rise and Fall (and Rise) of Solar Energy, 1946** at the Science, Technology and Society Circle sponsored by Sheila Jassanoff, the Kennedy School of Government, Harvard University, Cambridge, MA, October 13.
- The World Solar Energy Project, c. 1954** at the *History of Energy* colloquium, Department of the History of Technology, School of Architecture, Royal Institute of Technology (KTH), Stockholm, Sweden, May 3.
- 2009 **Infrastructure and Destiny** at *Infrastructure and the Future: Assessing the Architect's Role*, Northeastern University, Boston, MA, November 21.
- Modernization and Environmentalization in the History of Architecture** part of the panel: "Taking Risks: New Directions in the History of Technology and Environment: Finalists for the Kranzberg Dissertation Fellowship" at the Annual Meeting of the Society for the History of Technology (SHoT), Pittsburgh, PA, October 18.

## Conference Presentations

- Upcoming **Architectural, Technology and the Humanities** Roundtable Discussion sponsored by the Mellon Foundation, with David Brownlee, Diane Harris, and others, at the Annual Meeting of the Society of Architectural Historians, Chicago, IL, April 12-15, 2015.
- Architectural History in the Anthropocene** (panel organizer) at the Annual Meeting of the Society of Architectural Historians, Chicago, IL, April 12-15, 2015.

- Eco-Images and Architectural Diagrams** part of the Panel “Media, Architecture, and the Global Environmental Imaginary” [also Panel Chair], at the biennial meeting of the European Society for Environmental History, June 30 – July 3, 2015.
- The Nature of the Image: Climate Diagrams in Post-war Architecture** at the Annual International Conference of Historical Geographers, London, July 5-10, 2015.
- 2014 **Architecture and the Post-Oil Imaginary of the 1950s** at *Lines and Nodes: Media, Aesthetics and Infrastructure*, Department of Media, Communication, and Culture, New York University, September 19, 2014.
- The Post-Oil Imaginary in the 1950s** as part of the Panel “Architecture, Risk and Opportunity in the Anthropocene” at the Annual Meeting of the Association for American Environmental Studies and Sciences, Pace University, New York, June 11-14, 2014. Also Panel Chair.
- After Nature: An Architectural History of Environmental Culture** part of the panel “The Historiography of the Present,” European Architectural History Network (EAHN) Third International Meeting, Turin, Italy, June 19-21, 2014.
- 2013 **Designing Energy Futures, c.1949** part of the panel “Cornucopia, Scarcity, and the Future” at the Annual Meeting of the American Society of Environmental Historians, Toronto, Canada, April 3-6.
- Designing with Climate in the Suburbs: Olgay and Olgay and the American Influence of Fry and Drew** at *The Influence of Fry and Drew*, School of Architecture, Liverpool University, UK, October 10-11.
- A Second Modernism: Architecture and Education in the Immediate Post-War** Panel Discussion with Arindam Dutta, John Harwood, Anna Vallye, and Eric Mumford, moderated by Joan Ockman. University of Pennsylvania, October 14.
- 2012 **Slow Violence and the Crisis of Architectural-Climatic Representation** at *Design/History/Revolution*, The New School, New York, April 27-28.
- 2011 **The First Solar Age: Rethinking Banham’s Modernity** part of the panel “Technology and Territory in the Historiography of Architecture” at the Annual Meeting of the Society for the History of Technology (SHoT), Cleveland, OH, Nov 5. Panel Chair.
- Energy and Economics at the US Department of the Interior, 1943-1949** part of the panel “Seeing States and State Theory in STS” at the Annual Conference of the Society for Social Studies of Science (4S), Cleveland, OH, November 5.
- “Tomorrow’s House”: Solar Energy as a Territorial Project, 1938-1947** part of the panel “Energy as a Spatial Project” at the Annual Conference of the Association of Collegiate Schools of Architecture (ACSA), Montreal, March 4.
- 2010 **Environmental Histories of Architecture** part of the panel: “Greening the Survey: Sustainability Roundtable” at the Annual Conference of the Society of Architectural Historians (SAH), Chicago, April 21-24.
- Architecture and the Rise and Fall of Economic Resource Scarcity Theory** part of the panel “Policy and Environmental Politics” at the Annual Conference of the American Society of Environmental Historians (ASEH), Portland, OR, March 10-13.
- The Solar House in the 1950s: Aesthetics, Politics, and Research in Architecture** part of the panel “ECOART: Ethics and Aesthetics of Sustainability” at the Annual Conference of the College Art Association (CAA), Chicago, February 10-13.

- 2009 **The First Oil Crisis and the Modern Solar House** at *Infrastructure's Domain: Architectural Manifestations of Techno-bureaucratic Systems*, Princeton School of Architecture, Princeton, NJ, October 23-24.
- Climatic Architecture in the 1950s and the Thermoheliodon of Victor and Aladar Olgyay** at *Failed Design: What Were They Thinking?*, The Bard Graduate Center for the Studies in the Decorative Arts, Design, and Culture, New York, April 24.
- Le Corbusier, the *Brise-soleil* and the Environmentalization of Modern Architecture, 1929-1963** at *Le Corbusier – Revisited*, Annual Dean's Symposium, Southern Polytechnic State University, Atlanta, GA, February 26-28.
- 2007 **Living with the Sun: Architecture and the Association for Applied Solar Energy, 1954-1958** at *Techniques and Technologies: Transfers and Transformation*, University of Technology, Sydney, Australia, September 27-28.
- The New Look: 'Architecture for the State Department' at MoMA, 1953** at *History of Architecture Exhibitions at MoMA*, Museum of Modern Art, New York, May 4.
- 2005 **Histories and Diagrams** at the *Annual Graduate Student Symposium*, Northeast Chapter of the Society of Architectural Historians, Harvard University Graduate School of Design, Cambridge, MA, February 12.
- 2004 **Militant Architecture** at *Critical Architecture* Conference, Bartlett School of Architecture, University College of London, London, England, November 26.

## Grants Received

- 2014 **Society of Architectural Historians/Mellon Foundation Author Award** for permission, reproduction, and other illustration expenses related to *A House in the Sun: Modern Architecture and Solar Energy in the Cold War* to be published by Oxford University Press, 2015.
- University Research Foundation Research Grant**, University of Pennsylvania, \$6000 subvention for publication costs related to *A House in the Sun: Modern Architecture and Solar Energy in the Cold War* to be published by Oxford University Press, 2015.
- Dean's Discretionary Fund** \$10000 subvention for publication costs related to *A House in the Sun: Modern Architecture and Solar Energy in the Cold War* to be published by Oxford University Press, 2015.
- A Global History of Architecture and Climate** part of the Mellon Foundation funded Global Architectural History Teaching Collaborative, organized by the Massachusetts Institute of Technology Department of Architecture. \$10000 in research funds to lead an international team of scholars to produce curricular material examining the global history of architecture and climate since 1850.
- Global Cities Seminar, Andrew Mellon Foundation Humanities Urbanism and Design Project** \$30000 for a traveling seminar "Rio de Janeiro: Cosmopolitan Urbanism in the 20<sup>th</sup> Century," Spring, 2015. Co-taught with John Tresch, University of Pennsylvania Department of the History and Sociology of Science.
- Integrating Sustainability Across the Curriculum Course Development Funds** for the course "Architecture in the Anthropocene," to be offered in the School of Arts and Sciences, University of Pennsylvania, Fall 2015.
- Samuel P. Hays Research Fellowship, American Society of Environmental Historians.** \$1000 Research fund for work on the manuscript "Climatic Effects: The

Architecture of the Comfort Zone and the Globalization of the International Style.”

- 2013–2014 **University Research Foundation Research Grant**, University of Pennsylvania, for the project “The Invention of Thermal Comfort: Climate Science and the Globalization of the International Style, 1928-1963.” \$20,000 grant for travel to archives in London, Rio de Janeiro, Paris, and Los Angeles, and for an undergraduate research assistant.
- 2012–2014 **Principal Investigator, Department of Energy Energy Efficient Building (EEB) Hub**. Co-organized a series of conferences, exhibitions, and publications on the theme of “Architecture and Energy,” as a component of a much broader, multi-institutional grant exploring the application of energy efficient design innovations.
- 2009 **Research Funding** MIT Department of Architecture. Travel funds for the article “Experimental Dwellings: Modern Architecture and Environmental Research at the MIT Solar Energy Fund, 1938-1963.”

## Fellowships, Awards and Prizes

- 2015 **Terra Foundation for American Art Visiting Professor** at the Courtauld Institute, London, UK. One-week appointment: public lecture, graduate seminar. Spring 2015.
- 2014– **Faculty Fellow, Penn Institute for Urban Research**, University of Pennsylvania.
- 2013– **Colloquium Fellow, Mellon Foundation Program on Humanities, Urbanism, and Design (HUD)**, University of Pennsylvania. \$10,000 research grant. Participation in colloquium, assistance in development of public program, in hiring and mentoring post-doctoral fellows, and other aspects of the grant program.
- 2011 **Finalist, Rachel Carson Prize for Best Dissertation in Environmental History** American Society of Environmental Historians.
- 2010–2011 **Ziff Environmental Fellowship** Center for the Environment, Harvard University. Hosted by the Department of Landscape Architecture, Harvard University Graduate School of Design, Cambridge, MA. Post-Doctoral Research Fellowship.
- 2005–2010 **PhD Study Fellowship** Graduate School of Architecture, Planning, and Preservation, Columbia University, New York, NY.
- 2009 **Finalist, Kranzberg Dissertation Fellowship**, the Society for the History of Technology (SHoT).
- 2005 **Janet Cain Sielaff Alumni Award** Yale School of Architecture, New Haven, CT.  
**Rettig Fellowship** Northeast Chapter of the Society of Architectural Historians.
- 2003–2005 **Ulli Scharnberg Scholarship** Yale University School of Architecture, New Haven, CT.
- 2000 **Jay de Feo Prize** for MFA Thesis Exhibition, Mills College, Oakland, CA.
- 1998–2000 **Alumni Scholarship** Mills College, Oakland, CA.
- 1991–1995 **Scholarship for the Study of Art** Chazen Family Foundation, Nyack, NY.

## Exhibitions Curated

- 2015 **Modernism in China and at Penn** at the Penn Wharton China Center, Beijing. An exhibition of drawings and models from Chinese students in architecture at Penn since the early 20<sup>th</sup> century.
- 2014 **Integrate: 9 Devices in Energy Efficient Building Design** with Brett Snyder, an exhibition of explanatory modules to be housed in the offices of the US Department

of Energy Consortium on Building Energy Innovation, Philadelphia Navy Yard.

## Courses Taught

School of Architecture, Princeton University, Spring 2015

**History and Theory of Architecture and Climate** PhD and MArch Seminar.

Department of Architecture, School of Design, University of Pennsylvania. 2012 -

**Historiography: Technological Perspectives on Modern Architecture** PhD Seminar.

**The Invention of Modern Architecture** PhD Seminar, co-taught with David Brownlee, History of Art.

**Exhibiting Environmental Architecture** MArch Seminar.

**History and Theory II: Experimental and Ecological Architecture** required MArch Lecture. (every Spring)

**History and Theory III: Global Architectural Discourse Colloquium** required MArch Lecture. (every Fall)

**Cosmopolitan Urbanism in the 21<sup>st</sup> Century: Rio de Janeiro** BA travelling Seminar, co-taught with John Tresch, History and Sociology of Science.

**Architecture and Citizenship: Patterns of Urban Engagement** required BA Lecture.

**Architecture in the Anthropocene** BA First-Year Seminar, interdisciplinary.

Barnard and Columbia Colleges Department of Architecture. 2011-2012

**Networks and Ecologies** BA Lecture, interdisciplinary enrollment.

**Architecture and Climate** BA Senior Seminar.

**Energy and Culture** BA First-Year Seminar, interdisciplinary enrollment.

**Architectural Design I** BA Studio, co-taught.

**Architectural Design II** BA Studio, co-taught.

Harvard University Graduate School of Design, Spring 2011.

**Urbanism, Suburbanism, and Climate** MArch Seminar.

Oberlin College Department of Art History. 2010-2011

**Architecture and Climate** BA Senior Seminar.

**Architecture and Theory Since 1968** BA Lecture, advanced.

**Approaches to Western Architecture** BA Lecture, introductory.

**Modern Architecture and Environmentalism** BA Lecture, advanced, cross-listed with Environmental Studies.

Yale School of Architecture. 2004-2009

**Modernism and Environmentalism** MArch Seminar.

**Contemporary Architectural Theory** required MArch Lecture. Co-taught with Peggy Deamer (4 times).

**History of Architectural Theory** required MArch Lecture. Co-taught with Lauren Kogod, Emmanuel Petit, and Claire Zimmerman. (4 times)

University of Auckland, 2008

**Architecture, Technology, Environment** required 2<sup>nd</sup> year BArch Lecture.

**Contemporary Theories of Environmentalism** 5<sup>th</sup> year BArch Seminar.

## Guest Lectures

- Upcoming **Climate and Modernism in Architecture** Seminar as part of the Terra Foundation for American Art Visiting Professorship at the Courtauld Institute, February 18, 2015.
- 2013 **Architecture in the Anthropocene** for *Design Futures* (Nicole Robertson and Peter Zupan), Barnard College, October 23, 2013.
- 2012 **Steady State: Environmentalist Theory, 1950-1970** for *History of Architectural Theory* (Lucia Allais), Princeton University School of Architecture, Nov. 29.  
**Methods in Architectural History** PhD Colloquium on Method, University of Pennsylvania School of Design (Ali Malkawi). November 9.  
**Technology, Culture, and Environmental Change** for *Perceptions of Architecture* (Todd Rouhe), Barnard College, Feb. 23.
- 2011 **Tomorrow's House: Architecture and Solar Energy at Mid-Century** for the Environmental Analysis Field Group lecture series, Pitzer College and Pomona College, Claremont, CA, November 17.  
**Landscape, Region, and Environment from Patrick Geddes to James Corner** for *Design Futures* (Karen Fairbanks and Joeb Moore), Barnard College, Oct. 28.  
**Environmental Historical Research Methods in Architecture** for *Research Architecture Studies* (Maria Gonzales-Pendas), Columbia GSAPP, Oct. 10  
**Diagrams, Networks, and Ecologies** for the Environmental and Urban Studies colloquium (Noah Chasin), Bard College, May 10.  
**Architecture, Technology and Environmentalism** for *Contemporary Architectural Theory* (Ariane Lourie Harrison), Yale University, April 5.  
**The Mid-Century Solar House** for the professional staff at MOS-office architects (Hilary Sample), New Haven, CT, April 5.
- 2010 **A House in the Sun: Modern Architecture and Solar Energy during World War II** at the Accademia di Architettura, Università della Svizzera Italiana, Mendrisio, Switzerland, June 4.  
**A House in the Sun: Modern Architecture and Solar Energy during World War II** at the John H Daniels School of Architecture, University of Toronto, Canada, March 31.
- 2009 **The Concept of Environmentalism** for *Contemporary Architectural Theory* (Ariane Lourie Harrison), Yale University, April 14.
- 2008 **Environmentalism and American Urbanism** for *History of the American City* (Gwendolyn Wright), Columbia University, October 6.  
**Earth, World, Globe** for *Introduction to Architecture* (Irene Cheng), Columbia University, August 4.  
**Architecture and Environmentalism since 9/11** for *Architecture Post 9/11* (Peggy Deamer), Yale University, April 19.
- 2007 **Althusser, Anti-Humanism, and Architecture** and **Deleuze and the Diagram** for *Contemporary Theory* (Emmanuel Petit), Yale University. March 2, April 6.
- 2006 **Gottfried Semper – Materialist?** and **Frank Lloyd Wright's Organicism** for *Case Studies in the History of Architectural Theory* (Claire Zimmerman), Yale University. September 27, November 3.  
**Environmentalism v. Ecology, 1966-2006** for *Situations not Plans* Seminar (Student

Organized), Yale University, February 10.

2005 **Histories and Diagrams** for *Autogenic Architecture* (Julio Salcedo), Syracuse University, February 25.

## Theses Advised

- PhD** Ariel Genadt, “Expressive De-lamination in the Architecture of Renzo Piano and Kengo Kuma.” Dissertation in Progress, University of Pennsylvania School of Design.
- Martin Hershenzon, “Frontier Work: Sites on the Agricultural Periphery, Israel, 1948-1973.” Dissertation in Progress, University of Pennsylvania School of Design.
- Joseph Watson, “Management, Economy, and Design from Raymond Hood to John Portman.” Dissertation in Progress, University of Pennsylvania School of Design. Primary Advisor.
- MA/March** Scott Aker, “Exposure of Traumatic Memory through the Exploration of Spatial Formations: Architectural Concepts, Representations, and Realizations in Civic and Domestic Spaces,” MS Architectural History Thesis, University of Pennsylvania, 2014. Primary Advisor.
- Steven Kocher, “Efficiency Afficianado” MArch Thesis, University of Pennsylvania, expected completion in Spring, 2014. Primary Advisor.
- Paulina Lagos, “Community and Commodity at Hassan Fathy’s New Gourná,” MS Architectural History Thesis, University of Pennsylvania, 2013. Primary Advisor.
- Undergraduate** Lane Raffaldini Rubin, “Inhabiting Peripheries: Palladio and the Ecology of the Ideal Villa,” University of Pennsylvania Humanities Forum Fellowship Thesis, 2013. Thesis Reader.
- Caitlin Blanchfield, “Curating the City: Constructing San Francisco’s Civic Identity in the M.H. de Young Memorial Museum, 1894-1921 and 1989-2005,” Department of History, Oberlin College, 2009. Thesis Reader.

## Professional Service

- 2014–2015 [Departmental Service] **University of Pennsylvania Department of Architecture** Associate Chair, Chair of Curriculum Committee.
- 2014 Steering Committee Member, **European Architectural History Network (EAHN)**. [Symposium Co-Organizer, Panel Moderator] **Energy Accounts: Stories, Images, and Data in the Future** funded by the Energy Efficient Building HUB of the Department of Energy, University of Pennsylvania, January 24-25, 2014. Participants included David Nye, Reinhold Martin, and Ursula Heise.
- [Peer Review] **Journal of Architecture. Journal of Architectural Education.**
- 2013–2014 [Departmental Service] **University of Pennsylvania Department of Architecture** Associate Chair, service on Curriculum Committee, Urban Design Committee, Admissions Committee, Professor of Practice Recruitment Committee.
- 2013 [Peer Review] **Architectural Histories** Online Journal of the European Architectural History Network; **Technology and Culture; Journal of Architecture; Architectural Theory Review.**
- [Faculty Sponsor] Penn Undergraduate Climate Action Fund: Jessica Mangin, **Form in Sustainable Design** research trip to central Europe to investigate vernacular and

contemporary building practices.

[Conference Panel Chair] **Defining Environment in Design Pedagogy** at the Annual Meeting of the American Society of Environmental Historians, Toronto, Canada, April 3-6.

[Consultant] Exhibition Design and Urban Programs for the Exhibition **Leger and the City**, curated by Anna Vallye, Philadelphia Museum of Art, April 11.

[Panel Respondent] **Peripheral Ecologies** panel, part of "Marginalia: the Undergraduate Humanities Forum 14<sup>th</sup> Annual Research Conference," Penn Humanities Forum, University of Pennsylvania, March 22.

[Symposium Co-Organizer] with Bill Braham **Energy and Architecture: The Importance of Climate and Region** funded by the Energy Efficient Building HUB of the Department of Energy, University of Pennsylvania, January 24-25. Participants included Hadas Steiner, David Orr, and Inaki Abalos.

[Symposium Co-Organizer] with David Leatherbarrow and Joan Ockman **American Architectural Education Outside Itself: Crossing Borders, Breaking Barriers** at the University of Pennsylvania School of Design, February 8-9. Participants included Michael Lewis, Martino Stierli, and Caroline Maniaque.

[Peer Review] **American Academy in Berlin**

2012–2013 [Departmental Service] **University of Pennsylvania Department of Architecture** Associate Chair, Chair of Admissions Committee.

2012 [Book Launch Roundtable] **Design and Construction of High-Performance Homes** with Franca Trubiano, Bill Braham, Yunki Yi, University of Pennsylvania School of Design, Nov 14.

[Presentation] **Constructing a Syllabus** for the University of Pennsylvania Center for Teaching and Learning. October 10.

[Conference Panel Co-Chair, with Kimberly Zarecor, Associate Professor of Architectural History, Iowa State University] **Global History and Architectural History** at the Annual Meeting of the Society for Architectural Historians (SAH), Detroit, MI, April 18-22.

[Manuscript Peer Review] **Palgrave MacMillan Publishers, Berg Publishers.**

2011 [Conference Panel Chair] **Technology and Territory in the Historiography of Architecture** at the Annual Meeting of the Society for the History of Technology (SHoT), Cleveland, OH, November 5.

[Article Peer Review] **Journal of Architectural Education.**

[Series and Book Proposal Peer Review] **Berg Publishers: Design Futures** series.

2010 [Article Peer Review] **Buildings & Landscape: Journal of the Vernacular Architecture Forum.**

[Lecture Series Organizer] **Design Practice and Environmental Culture** The 2010 Clarence Ward Architecture Lecture Series, Oberlin College. Speakers included: François Roche, Felicity Scott, Charles Waldheim, David Benjamin, Janette Kim, and Peder Anker. Spring, 2010.

[Conference Panel Moderator] **Architecture and the State, 1940s to 1970s** Panel: *Scales of Reconfiguration: City, Region, State*. Columbia GSAPP, New York, April 2-3.

2009 [Conference Co-organizer] **Ambiguous Territories: Articulating New Geographies in**

- Latin American Modern Architecture.** Columbia GSAPP, New York, March 27-28.  
 [Lecture Series Co-organizer] **Architecture Inside-Out** Lecture and Workshop Series, Columbia GSAPP, Fall 2009. Speakers included Volker Welter and Christina Cogdell.
- 2007 [Conference Panel Moderator] **Techniques and Technologies: Transfers and Transformation** Panel: *Contemporary Environmental Hi-Rise Buildings* University of Technology, Sydney, Australia, September 27-28.
- [Conference Panel Organizer] **The Morning After: Student Reflections on the 'Critical Legacies of Manfredo Tafuri' Conference** Columbia GSAPP, April 4.
- 2005 Articles for *Constructs*, the Yale School of Architecture bi-annual newsletter:
- 2004 **Exhibition Review: Transcending Type** (Spring 2005), 15; **Film Review: A Constructive Madness** (Fall 2004), 22; **The New MED Colloquium** (Spring 2004), 28.

### Selected Design Studio Juries

- 2014 **Reykjavik Airport** [Peggy Deamer] Yale University School of Architecture
- 2013 **Master of Environmental Design Thesis** Yale University School of Architecture  
**Thesis** [Kevin Bone and Sofia Krimizi] Cooper Union  
**Replica Studio** [Cristina Goberna and Urtzi Grau] Columbia GSAPP  
**Parallel Spaces** [Brendan Moran] Syracuse
- 2012 **Advanced Research Studio** [Winka Dubbeldam] Penn Design  
**What Does Green Mean?** [Janette Kim] Columbia GSAPP
- 2011 **Waste and Recycling** [Nicole Robertson] Barnard College  
**Bio-Processors** [David Benjamin] Columbia GSAPP  
**Housing Studio** [Hilary Sample] Columbia GSAPP  
**Advanced Architectural Research** [Maria Gonzales Pendas] Columbia GSAPP  
**MDes History/Theory Theses** [Timothy Hyde] Harvard GSD  
**The Function of Time: Contemporary Art Museum** (Farshid Moussavi) Harvard GSD
- 2009 **(n)certainities** (François Roche) Columbia GSAPP
- 2008 **Bangkok Studio: Three Ecologies** (Brian McGrath) Parsons School of Design  
**AIR Lab** (Galia Solomonoff) Columbia GSAPP  
**Forum for Architecture** (Alistair Gill) Columbia GSAPP
- 2007 **Design 10: Thesis** (Michael Linzey) School of Architecture, University of Auckland  
**Empty Form** (Reinhold Martin) Columbia GSAPP
- 2006 **Blank Types / London Olympics** (Farshid Moussavi) Harvard GSD  
**Energy Department** (Mark Wasiuta) Columbia GSAPP  
**Climate Exchange** (Jennifer Leung) Penn Design
- 2005 **Alaska and the Energy Crisis** (Mark Wasiuta) Columbia GSAPP

### Professional Affiliations

**College Arts Association (CAA)** since 2000

**Society of Architectural Historians (SAH)** since 2003

**Society of Architectural Historians of Australia and New Zealand (SAHANZ)** since 2007

**American Society of Environmental History (ASEH)** since 2007

**European Architectural History Network (EAHN)** since 2007

**Society of the History of Technology (SHoT)** since 2008

**Society for the Social Studies of Science (4S)** since 2010

**European Society of Environmental History** since 2013

**International Society for Historical Climatology and Climate History (ISHC)** since 2013

**Global Architectural History Teaching Collaborative (GAHTC)** since 2013

**Art Architecture History Assembly (AAHA)** since 2014

## Languages

Reading Fluency in French, Portuguese, Italian and Spanish