

William W. Braham

March, 2012

Education

- 1995 PhD Architecture. University of Pennsylvania, Philadelphia, PA
Dissertation: "The Heart of Whiteness: The Discussion of Color in American
Architectural Journals around 1930." Supervisor: Joseph Rykwert
- 1983 Master of Architecture. University of Pennsylvania, Philadelphia, PA
- 1979 B.S.E. Civil & Environmental Engineering. Magna Cum Laude, Princeton University.
Thesis: "Dynamic Indices of Building Thermal Performance." Advisor: Dan Nall
- 1982 Certificate, Qinghua University, Beijing, China, History of Chinese Architecture

Academic Appointments

- 2010- Director. Master of Environmental Building Design, University of Pennsylvania
- 2008-11 Chair. Department of Architecture, University of Pennsylvania
- 2003-08 Associate Chair. Department of Architecture, University of Pennsylvania
- 2007- Director. Certificate in Ecological Architecture, Department of Architecture, University
of Pennsylvania
- 2007 Paul L. Cejas Scholar. Masters Class, Florida International University, Miami. March-
April 2007.
- 2001- Associate Professor (with tenure). Department of Architecture, University of
Pennsylvania
- 1995-01 Assistant Professor. Department of Architecture, University of Pennsylvania
- 1988-95 Lecturer. Department of Architecture, GSFA, University of Pennsylvania

Publications

Books

- Architecture and Energy: Questions about Performance and Style. Co-Editor (Routledge, 2013)*
- Rethinking Technology: A Reader in Architectural Theory. Co-Editor (London: Routledge, 2006).*
Review by Adrian Forty, "Building Processes," Architectural Review (June, 2007): 17
Review by Stephen Gage, "For the enthusiast and the cynic alike," Architects Journal
19 (April, 2007)
- Modern Color/Modern Architecture: Amédée Ozenfant and the genealogy of color in modern
architecture (London: Ashgate, 2002).*
Review by Timothy Parker, Studies in the Decorative Arts 12 (Fall 2004/Winter 2005):
145-7
Review by Louisa Hutton, Architectural Research Quarterly 7, 1 (2003)
Review by M. Jablonski.. APT Bulletin, 34 (2003), 77-78.

Chapters or Essays in Books

- "Modern Color / Modern Architecture," *La conservazione delle policromie nell'architettura del XX secolo. Conservation of colors schemes in 20th Century architecture*. Lugano: SUPSI, 2012).
- "The Power of Plasticity." In B. Fairchild, *Plastic (forthcoming, 2012)*.
- "Household Conditioning (if you are cold, put on a sweater)," in *Building Systems: Technology, Design & Society*. Ryan E. Smith & Kiel Moe, Eds. (Routledge, 2011).
- "Household Power," in *Design and Construction of High Performance Homes: Solar Technology, Innovative Materials and Integrated Practice*, Franca Trubiano, Ed. (Routledge, 2011).
- "Building Technology: 'Steel as required'," *Schooling the Architect: Two Centuries of Architecture Education in North America*, J. Ockman, Ed. (ACSA, 2011).
- "Waste and Dirt: Notes on the Architecture of Compost," *VIA: Dirt* (Philadelphia, 2011).
- "OfficeLand: History, Ecology, and the Plant-in-the-office." *VIA: On Occupation* (Philadelphia, 2007).
- "Biotechniques: Remarks on the Intensity of Conditioning." in *Performative Architecture*. Ali Malkawi and Branko Kolarevic, Eds. (Spon Press, 2004).
- "Upright or Flexible? Exercising Posture in Modern Architecture." (with Paul Emmons), in *Body and Building: Essays on the changing relationship of body to architecture*. George Dodds and Robert Tavernor, Eds. (MIT Press, 2002).
- "Siegfried Giedion and the Fascination of the Tub." *Plumbing: Sounding Modern Architecture*. D.S. Friedman & Nadir Lahiji, Eds. (New York: Princeton Architectural Press, 1997).
- "Undressing (Kiesler's Knot)." In *Conviviality: Flirtation, Displeasure and Hospitable in the Visual Arts*, Hirsch Farm Project Publication, (Winter, 1995).

Journal Articles

- Ravi S Srinivasan; William W Braham; Daniel E Campbell; Charlie, D Curcija, "Building Envelope Optimization Using Energy Analysis," (under review, 2012).
- Ravi S Srinivasan; William W Braham; Daniel E Campbell; Charlie, D Curcija, "Re(de)fining Net Zero Energy: Renewable Energy Balance in Environmental Building Design," *Building and Environment* (Elsevier, 2011).
- "Color. Power. Velocity," *New Geographies* 3 (Harvard Graduate School of Design and Harvard University Press, 2010).
- "Solidity of the Mask: Color Contrasts in Modern Architecture." *RES: Journal of Anthropology and Aesthetics* 39 (Harvard, Spring, 2001).
- "Erasing the Face: Solar Control and Shading in Post-War Architecture." *Interstices* 5 (New Zealand: University of Auckland, 2000): 104-113.
- "A Wall of Books: The Gender of Natural Colors in Modern Architecture." *Journal of Architectural Education* 53 (ACSA, September, 1999): 4-14.
Reprinted in: *Interior Design Theory Reader*. Edited by Mark Taylor and Julieanna Preston. John Wiley & Sons, Ltd., Chichester, West Sussex, England, 2006.
- "Correalism and Equipose: Observations on the Sustainable." *ARQ, Architectural Research Quarterly* 3 (Cambridge, 1999): 57-64.
- "What's Hecuba to Him? On Kiesler and the Knot." *Assemblage* 36 (August, 1998): 6-23.

Other Articles or Publications: Magazine, News Paper, Preface

- "Lost Traits," Preface, Homa Farjadi Hybrids, 2012

- "Temptations of Survivalism, or what do you do with your waste?" *Places: Forum of Design for the Public Realm* (10.04.2010): places.designobserver.com/entry.html?entry=13998.
- "Air: Recycling. Infrastructure," *Arcade, Architecture and Design in the Northwest* (Spring, 2010)
- "How Much Does Your Household Weigh?" *Places: Forum of Design for the Public Realm* (9.26.2009): places.designobserver.com/entry.html?entry=11037.
- "Landscape within Architecture." *306090 >07* (Fall, 2004).
- "Nature is Blind." Crit: Going Beyond Green, *AIAS Journal* 52 (Fall, 2001): 30-31.
- "The Persistence of the Candle." Op-ed, *Baltimore Sun* (October 1, 2000).
- "After Typology: The Suffering of Diagrams." *Contemporary Processes in Architecture*, AD 70, Ali Rahim, ed. (June, 2000): 9-11.
- "Interview with Robert Venturi and Denise Scott Brown." (with Louise Harpman) *Practices: Magazine of the Center for Practice*, 5/6 (1997).
- "Constructive Logic: The Work of Kieran Timberlake & Harris." (with George Dodds) *Werk Bauen + Wohnen* (January, 1996).
- "Eyes That Do Not See: The Practice of Sustainable Architecture." *Practices: Magazine of the Center for Practice* (Winter, 1994/95).

Other Articles: Refereed Conferences & Proceedings

- "Forms of Emergy: Architecture and Power," Proceedings, *Seventh Biennial Emergy Research Conference*, University of Florida, 2012.
- "Rethinking Environmental Technology: What do systems want?" ARCC/EAAE Conference Proceedings, May, 2007.
- "Active Glass Walls: A Typological and Historical Account." AIA Convention, Las Vegas, 2005.
review: "Two Walls in One: Double-Skinned Glass Walls," USGlass News Network, 2005.
- "Biotechniques: Form Follows Flow?" Greenbuild, USGBC Conference, Pittsburgh, PA, November, 2003.
- "Do Houses Evolve? Neo-Biology at House_n." Proceedings, ACSA Technology Conference, Portland, OR, October, 2002.
- "Emergence-cy! Notes on the Flow of Information in Architecture." Proceedings, ACSA Annual Conference, New Orleans, LA, April, 2002.
- "OfficeLand: Ecology, History, and the plant-in-the-office." Proceedings, ACSA Annual Conference, Baltimore, MD, March, 2001.
- "The Open Flame: Nostalgia and Resistance in the Healthy Modern Home." Popular Culture Conference, Valley Forge, PA, October, 1999.
- "The Play of Light: Notes on the Modeling of Architectural Illumination." Proceedings, ACSA Annual Conference, Minneapolis, MN, March, 1999.
- "The Candle at the Table: Work, Waste and Leisure in the Modern Home." ACSA Northeast Regional Meeting, Halifax, NS, October, 1998.
- "Upright or Flexible? Ideologies of Posture in Modern Architecture." (with Paul Emmons) Proceedings, ACSA Southeast Regional Meeting, Knoxville, TE, October, 1998.
- "Judgment and Typology: The Culture of Technology at the University of Pennsylvania." (with Nadia Alhasani) Proceedings, ACSA Annual Conference, Cleveland, OH, March, 1998.
- "A Physiology of Building: Reptilian, Canine, and Monstrous." Proceedings, ACSA Annual Conference, Cleveland, OH, March, 1998.

- "The Solidity of the Mask: Architectural Color in the Modern Era." Proceedings, ACSA Northeast Regional Meeting, Newport, RI, October 24-26, 1997.
- "Correalism and Equipoise: Kiesler and Giedion on the Sustainable." Proceedings, American Solar Energy Society Annual Conference, Washington, DC, 1997.
- "A Wall of Books: Natural and Applied Colors in Architecture." Proceedings, ACSA Annual Conference, Dallas, Texas, March, 1997.
- "Registration and Concealment: Rhetoric of Architectural Illumination." Proceedings, ACSA Technology Conference, Dallas, Texas, March, 1997.
- "The Curious Architect or the Curiosity of Critical Practice." (with Marco Frascari) Proceedings, ACSA National Conference, Seattle, March, 1995.
- "The Geomater of Architecture." (with Marco Frascari) *Paradosso*. Vol. 8 (1995) 16-27.
- "Therapy and Redemption: The Environmental Critique." Proceedings ACSA National Conference, Seattle, March, 1995. *Critical Practice*, ACSA Regional Conference, Univ. of Cincinnati, October, 1994.
- "On the Mantic Paradigm in Architecture." (with Marco Frascari), Proceedings ACSA National Conference, Montreal, 1994.
- "Mies van der Rohe: A Sense of Glass." Proceedings ACSA Southeast Regional Meeting, NC State, Raleigh, NC, October 1993.
- "Architectural Gnomonics." Proceedings, ACSA Technology Conference, Phoenix, AZ, January 1993.
- "A Pragmatic Astrology: The Philadelphia Savings Fund Society." Proceedings—ACSA National Conference, Charleston, SC, March, 1993. Proceedings—Sight Work/Site Work, ACSA Regional Conference, University of Waterloo, October, 1992.
- "The Methods (Questions) of our Time." Catalogue Introduction, An Independent Exposition: Philadelphia, Young Architects Forum, 1990.
- "Dynamic Indices of Building Thermal Performance." Proceedings of 5th National Passive Solar Conference, Amherst, MA, 1980.
- "Simplified Solar Design Guidelines Based on Modelling with Equivalent Thermal Parameters." Proceedings of Northeast Solar Energy Center Conference, Plymouth, MA, 1979.

Funded Research Projects

- Architecture and Energy, 2012. Co-PI. DOE Hub: Greater Philadelphia Innovation Cluster (GPIC), \$200,000.
- Assessment of Integrated Design and Retrofit Technology processes in the building industry, 2011. Co-PI. DOE Hub: Greater Philadelphia Innovation Cluster (GPIC), \$212,000.
- Architecture and Energy, 2011. Co-PI. DOE Hub: Greater Philadelphia Innovation Cluster (GPIC), \$90,000.
- New Aging Conference, 2010. Jacob Rose Family Fund, \$50,000.
- Action Plan for Carbon Reduction, University of Pennsylvania, 2009. Co-PI. Penn FRES. TC Chan Center. School of Design. University of Pennsylvania. \$55,000.
- Scenarios for Carbon Neutrality, University of Pennsylvania, 2008. Co-PI. Penn FRES. TC Chan Center. School of Design. University of Pennsylvania. \$90,000.
- Carbon Footprint, University of Pennsylvania, 2007. Co-PI. Penn FRES. TC Chan Center. School of Design. University of Pennsylvania. \$20,000.
- Penn Sustainability Plan and Campus Audit, Phase III, 2007. Co-PI. Penn FRES, TC Chan Center. School of Design. University of Pennsylvania. \$150,000.

Penn Sustainability Plan and Campus Audit, Phase II, 2006-2007. Co-PI. Penn FRES, TC Chan Center. School of Design. University of Pennsylvania. \$125,000.

Penn Sustainability Plan, Phase I, 2005-2006. Co-PI. University of Pennsylvania: Facilities and Real Estate Services (Penn FRES), TC Chan Center/Building Simulation Group. School of Design. University of Pennsylvania. \$100,000.

McNeill Atrium Renovations, 2002. PI, University of Pennsylvania, Facilities and Real Estate Services. Penn Praxis.

Dynamic Architectural Daylighting. 2005. PI, Lutron Foundation, \$13,600.

'Colour for Architecture': The London Project of Amédée Ozenfant, 1936-38. 1998. Graham Foundation for Advanced Study in the Fine Arts, Chicago. \$10,000.

Colors of Architecture: Twentieth-Century Material Palettes. 1997. Research Foundation, University of Pennsylvania. \$2,350.

Contracted and Supervised as Director of Center for Environmental Design and Planning

"Lancaster County Planning Study: Sustainable Growth." 1991. PEO Urban/Rural Interface Project: Tim Smith, PI. Research contract: Pennsylvania Energy Development Authority. \$25,000.

"Innovations in Affordable Housing." 1989. PI. Research contract: CertainTeed Corp. \$5,000.

"Patterns for Growth: Swedesboro, NJ." 1989. Daniel Friedman, PI. Research contract: Gloucester County, NJ. \$13,333.

"Teaching Passive Design in Architecture." 1980-82. Editor/Research Assistant. PI: Harrison Fraker and Donald Prowler. Funded by US Department of Energy. \$500,000.

Professional Practice

1999-2012 Design Consultant. Ivalo Lighting-Lutron Electronics, Willow Grove, PA.

1995-2006 Principal. Studio Luxe: Architecture and Illumination, Philadelphia, PA.

One Rittenhouse, Exterior and Lobby lighting, Philadelphia, Studio Intramuros, NY, NY, 2006.

Von Morris Headquarters and Warehouse, Camden. Studio Intramuros, NY, NY, 2004.

Siu Loft, New York. Studio Intramuros, NY, NY, 2003.

Fleisher-Ollman Gallery, Philadelphia. Studio Intramuros, NY, NY, 2002.

West Seattle & Greenlake Libraries, Snyder Hartung Kane Strauss, Seattle, 2002 .

Metzner-Gallant Apartment, NY, NY. Joel Sanders Architect, NY, NY, 2001.

Limerick Environmental Education Center, Tim Smith, Architect, 2001.

BigChalk.Com offices, NY, NY. Studio Intramuros, NY, NY, 2000.

Finney Barn and Studio, Philadelphia, PA, 2000.

Walden Recital Hall, Seattle, WA. Snyder Hartung Kane Strauss, Seattle, 2000.

MovieQ.Com offices, NY, NY. Piranha Pictures, NY, NY, 2000.

Morelli Jewelry Studio. Studio Intramuros, Philadelphia, PA, 1999.

Korman House by Louis Kahn. Renovations by Studio Intramuros, 1999.

Duggal MAX Studio. Architectonics, New York, NY, 1999.

Suzzallo Library, University of Washington. Cardwell/Thomas, Seattle, 1998-02.

Artists@Work, Philadelphia, PA. Studio Intramuros, Philadelphia, PA, 1997.

Koock Multimedia Offices, Seoul, Korea. Studio Intramuros, Philadelphia, 1996.

Laser Design Offices, Boston, MA. Flavin Architects, Boston, MA, 1995.

1991-94 Design Consultant. Buttrick White & Burtis Architects, NY, NY

- Designer. Ground Floor and Lobby, 666 Fifth Avenue, NY. 1993/94.
 Designer. The Pub, Sarah Lawrence College, Bronxville, NY. 1993/94.
 Designer. Pool Room. Seabrook Farms, Vermont. 1992.
 Designer. Atwood-Richards. 15,000 Offices, NY, NY. 1991.
- 1989-91 Director. Center for Environmental Design and Planning, GSFA, University of Pennsylvania
- 1983-89 Associate. Buttrick White & Burtis Architects, NY, NY
 Project Architect. Ballplayers' Refreshment Stand, Central Park, NY. 1989.
 Bard Award, NYAIA, 1990.
 Senior Designer. St. Thomas Choir School, New York, NY. 1987. 15 Story School Complex. Architectural Record & Bard Award, 1987.
 Designer. Carol Communications, NY, NY. 5,000 sf. offices, 1988.
 Project Architect. Train, Smith Counsel, NY, NY. 11,000 sf. offices, 1987.
 Designer. Benkay Japanese Restaurant, NY, NY. 3500 sf. 1986.
 Designer. Tower Records: New York, Washington, Los Angeles, 1984-6.
- 1982-83 Assistant. Marco Frascari Architetto, Philadelphia, PA
- 1979-90 Principal. William W. Braham, Architect
 Product Design: "The Fast Lane." Endless Pools Swimming Machines, 1990.
 Vahey House, Philadelphia, 1989.
 337 West 35th, façade renovations, NY, 1988.
 Sylvia Lachter Apartment, NY. (set for film Presumed Innocent), 1988.
 Set and Lighting Design, Retold Reflections, Susan Braham, The Kitchen, 1986.
 Renovations, Lyon's Apartment, NY, 1986.
 Set and Lighting Design, "Viewfinders Pleasure" by Susan Braham, Danspace/St Marks, 1985.
 Schematic Design, Clancy House, PA, 1983.
 Solar Greenhouse, Schenectady Community Action Program, Schenectady, NY, 1980.
 Painting Studio, Connie Fox, Easthampton, 1980.
 Glass Blowing Studio, Diane George, PA, 1979.
- 1978-80 Designer/Analyst. Harrison Fraker Architects/Princeton Energy Group, Princeton, NJ
 Princeton Professional Park: Cooling Analysis
 HUD Solar Demonstration Program
 Butler Building Prototypes: Wall and roof cooling and heating systems
 Ritz-Carleton, Atlantic City: Reflection analysis

Invited Lectures

- "Household Power: How Much Is Enough?" Convocation Lecture, Drury University, March 1, 2012.
 "Forms of Emergy: Architecture and Power," University of Florida, Gainesville, January 13, 2012.
 "Manifesto: Environmental Building Design" ACSA Administrators Conference, Hollywood, CA, November 11, 2011.
 "Household Power: How Much is Enough?" Washington-Alexandria Architectural Center, April 20, 2011.
 "Maximum Power: Modeling the Ecology of Buildings," Imminent Ecologies, Cornell University, April 15, 2011.
 "Work and Waste," Terrain of Water, University of Pennsylvania, April 1-2, 2011.
 "Maximum Power," Marywood School of Architecture, March 12, 2010.

- "Sustainability and Carbon Reduction at the University of Pennsylvania," EEK Architects, September 26, 2009.
- "Penn Projects," Integrative Thinking About Life Cycle Analysis: Promises & Limitations, Initiative for Global Environmental Leadership (IGEL) Penn/Wharton, March 27 & 28, 2009.
- "Oeconomics: Scale and Measure." Urban Design After the Age of Oil, University of Pennsylvania, November 6-8, 2008.
- "NET ZERO: Climate Neutrality at the University of Pennsylvania". Symposium: Campus Carbon Emissions – Measuring and Planning, Drexel University, April 22, 2008.
- "Ecology – Technology." Sustainable Design, Ewing Cole, April 18, 2008.
- "Ecology, Technology, and Architecture." Virginia Polytechnic Institute, Blacksburg, January 29, 2008.
- "Ecology, Technology, and Design." Pratt Institute, November 1, 2007.
- "Ecology, Technology, and Design." School of Design, Louisiana State University, October 15, 2007.
- "NET ZERO: Climate Neutrality at the University of Pennsylvania." Design on the Delaware, AIA Philadelphia, October 9, 2007.
- "NET ZERO: Climate Neutrality at the University of Pennsylvania." School of Design, University of Pennsylvania, October 8, 2007.
- "Ethics of Integrated Practice." Cranbrook 2007: Integrated Practice and the twenty-first century, ACSA/AIA summer institute, June 28, 2007.
- "Modern Color/Modern Architecture." Renaissance Society, University of Chicago, June 10, 2007.
- "Rethinking Technology: What do systems want?" Virginia Polytechnic University Alexandria Center, February 19, 2007.
- "Rethinking the Technology of Lighting." University of the Arts, Philadelphia, PA. October 27, 2006.
- "Rethinking the Technology of Bathing." Ritual Architecture, Dornbracht, New York, NY, October 5, 2006.
- "Rethinking Environmental Technology." Florida International University, September 28, 2006.
- "Rethinking Environmental Technology." ARCC/EAAE International Conference: Emerging Research, Temple University, June 1, 2006.
- "What Do Systems Want? Notes on the autonomy of environmental conditioning." Penn State University, What do Buildings Want? March 31, 2006.
- "Modern Color/Modern Architecture." School of Architecture, Politecnico, Puerto Rico, December 2, 2004.
- "Theories of Color." School of Architecture, Politecnico, Puerto Rico, December 3, 2004.
- "Modern Color/Modern Architecture." School of Architecture, University of Arkansas, February 9, 2004.
- "Conditioned Space." L'Eredita d'Ivan Illich, International Seminar, Bologna, Italy, June 14, 2003.
- "Modern Color/Modern Architecture." School of Architecture, University of Tennessee-Knoxville, April 11, 2003.
- "Modern Color/Modern Architecture." School of Architecture, Pennsylvania State University, February 4, 2003.
- "Modern Color/Modern Architecture: The continuing authority of natural colors in contemporary architecture." School of Architecture, University of Washington, Seattle, April 24, 2002.
- "Architectural Fabrications." Advanced Textile And Composites (ATAC) seminar series, Philadelphia University, February 1, 2001.
- "OfficeLand: The Natural Ecology of the Cubicle Dweller." *The Oakland Table* at the Mayor's Institute, organized by Jerry Brown and Ivan Illich, Oakland, CA. September 29, 2000.

- "Authority of the Natural: Post-War Color Palettes." *Preserving the Recent Past*, Philadelphia, October 13, 2000.
- "Bürolandschaft: Working in the Forest." *Portraying Landscapes*, Virginia Polytechnic Institute, Alexandria, VA, May 12-14, 2000.
- "The Hygienic City: Habits, Inhabitants, and Habitats." *Growth and Spatial Organization of the City*, Bryn Mawr College, Bryn Mawr, PA, March, 1997.
- "Kiesler's Knots." *Conviviality: Flirtation, Displeasure and Hospitable in the Visual Arts*, Hirsch Farm Project, Wisconsin. Summer, 1995.
- "Eyes That Do Not See: A Physiology of Building." Georgia Institute of Technology, May, 1995.

Other Presentations

- "Ethics of Integrated Product Design," IPD Lecture Series, April 5, 2011.
- "Urbanism Now," University of Pennsylvania, November, 2010.
- "Performance," Architecture PhD Talks, October 15, 2010.
- "Ecology of Architecture," Penn Alumni Women, April 3, 2009.
- "Ecology of Architecture," Symposium, Penn Environmental Group (PEG): Green Week, January 27, 2009.
- "Seeking Sustainability: Penn confronts the local and global challenge." A Conversation with Scholars from Across the University. Moderator: Amy Gutmann, President. January 16, 2009.
- "Ecological Architecture." Energy & Its Impacts, School of Engineering, University of Pennsylvania, 2007, 2008, 2009, 2011.
- "Sustainability Plan: University of Pennsylvania." Environmental Studies Program, September 5, 2007.
- "Sustainability Plan: University of Pennsylvania." Penn Environmental Group, March 12, 2007.
- "Biology and Design." Panelist, NLSO Symposium, October, 2006.
- "Parametrics, Performance, Process." AIA meeting on Integrated Practice, October 16-17, 2006.
- "Ant Farm." Gallery walkthrough/Opening, ICA, Philadelphia, September 10, 2004.
- "In Living Color: Notes on Digital Palettes." Symposium: Digital Translations: Emergent, Operative Potentials for Architecture, University of Pennsylvania, May 1, 1999.
- "Architectural Post-Modernism: Still an Issue?" Chestnut Hill Academy, January 1999.
- "Museums and Daylighting." Case Studies in Architecture, University of Pennsylvania, February, 1998.
- "Cleanliness, healthy-mindedness, and the need for water on every floor." Presentation: Colloquium, One Year Masters in Architecture, February 11, 1997.
- "Philadelphia: City of the Past, City of the Future." Presentation: University of Waterloo, May 21, 1997.
- "Mechanization and the Fascinations of the Tub." Colloquium, One Year Masters of Architecture, 1996.
- "The Logic of Display." Case Studies in Architecture, University of Pennsylvania, 1995.
- "The Heart of Whiteness: The Discussion of Color in Early Modern Architecture." Colloquium Presentation, Graduate Group in Architecture, November, 1995.
- "Historicity of Lines." Respondent: Open and Closed Representation Conference, University of Pennsylvania, March, 1995.
- "Building Physiology: The Visible and the Invisible." Delaware AIA, 1994.
- "Future Trends." Building Technology Series. Real Estate Program, Wharton School, 1989-93.

"Armature and Handrails." Selected projects, An Independent Exposition: Philadelphia, Young Architects Forum, October, 1990.
"Reflected Ceiling Plan: Proud Underbelly of Contemporary Practice." YAF, Philadelphia, 1989.
"Collective Memory of the Firm." Information Systems Panel, AIA Convention, NY, 1988.
"Fall from the Garden." Installation/Planting, Phipps Conservatory, Pittsburgh, PA, 1985.
"Passive Solar Design." Lecture, Ramapo College, Ramapo, NJ, 1981.

Conferences & Symposia

Co-Organizer w/ Dan Willis. Architecture and Energy: Questions about performance and style. DOE GPIC HUB / School of Design, University of Pennsylvania, January 27, 2012.
Co-Organizer w/ Kiel Moe. Performative Practices: Architecture and Engineering in the Twenty-First Century. ACSA Pedagogy Conference, Parsons/New School, June 16-18, 2011.
Co-Organizer w/ Franca Trubiano, Dan Willis. NSF Workshop - Collaborative Practice: When Engineering Design Meets Architecture. University of Pennsylvania, November 4-5, 2010.
Co-Organizer w/ Matthias Hollwich. New Aging: International Conference on Architecture and Aging. University of Pennsylvania, October 1-2, 2010.
Organizer. Scarcity and Excess: Ecology, Biology, and Design. Evening Symposium. University of Pennsylvania, March, 2005.
Co-Organizer w/ Ali Rahim. Digital Translations. Symposium, University of Pennsylvania, 1998-99.
Co-Organizer w/ George Dodds, David Leatherbarrow. Body and Building, A 2 day Symposium in Honour of Joseph Rykwert, University of Pennsylvania, 1995-96.

Editorial, Academic, and Community Service

Editorial

Editorial Board. JAE. Journal of Architectural Education. 2007-2010.
Editorial Board. Building Simulation: An International Journal. 2007-2008.

Academic

Manuscript Review: Routledge, London, 2007-2012.
Manuscript Review: University of Rochester Press, October, 2006.
Manuscript Review: University of Washington Press, Seattle, November, 2004.
Manuscript Reviews: Ashgate Publishing, London, November, 2002.
Promotion to Tenure Review. Syracuse University, School of Architecture. November, 2009.
Promotion to Professor Review. Dalhousie University, School of Architecture. November, 2009.
Promotion to Tenure Review. University of Virginia, School of Architecture. August, 2009.
Reappointment Review, University of Utah, School of Architecture, January, 2008.
Promotion to Tenure Review. SUNY at Buffalo, School of Architecture. December, 2007.
Promotion to Tenure Review. University of Virginia, School of Architecture. October 2002.
External Reviewer, Master of Architecture, University of Cincinnati, December 7-8, 2008.
Paper Reviewer, Buildings (Basel): Special Issue on Tall Buildings, 2012.
Paper Reviewer, ACSA 2012, Annual Conference, Boston, MA.
Paper Reviewer, On Embedded Sensing Systems For Energy-Efficiency In Buildings, ACM SenSys 2009, Berkeley, CA, November 4-6, 2009.
Paper Reviewer, ACAADIA 2008, Annual Conference, Minneapolis, MN.
Paper Reviewer. SimBuild 2008. Annual Conference of IBPSA-USA: International Building Performance Simulation Association.

Paper Reviewer. GreenBuild. Annual Conference of USGBC, 2003.
Paper Reviews: Historiography section, ACSA Annual Conference, Baltimore, 2001.
Research Proposal Reviews, Canadian Research Council, May 1997, 2003, 2007.
External Evaluator: Van Evera Bailey Faculty Award, University of Oregon, June, 2007.
End of Year Show, University of Illinois, Chicago. May, 2006.
Awards Jury, Architecture in Philadelphia, 3rd Street Gallery, January, 2005.
Beaux Arts Ball Competition Jury, Philadelphia Chapter AIA, October 2004.
Prospectus Reviews: John Wiley & Sons, London, February, 2003.
Studio Reviews, Cornell University, Ithaca, NY, December, 2007.
Studio Reviews, University of Virginia, May, 1999, 2009.
Studio Reviews, Columbia University, March, 1999-2001.
Awards Jury, AIA Georgia Sustainable Design Awards, October, 1998.
Thesis Reviews, Temple University, Philadelphia, May, 1995 & 1996.
Studio Reviews, Georgia Institute of Technology, Atlanta, May 1995.
Studio Reviews, University of North Carolina, Charlotte, May 1994.
Thesis Reviews, University of Waterloo, Ontario, Canada, February & May, 1991.

Community

Facilities & Sustainability Committee. School in Rose Valley, Rose Valley, PA. 2006-2012.
Faculty Supervisor and Advisory Committee Member. Architecture in Education: Teaching in Philadelphia Area Schools, AIA, 1997-2012.
Competition Jury, "Gimme Shelter" Schuylkill Environmental Center, 2008.
Competition Jury, Markoe Street Project, Philadelphia Housing Authority, June 16, 2008.
Poster and Calendar. Bicycle Coalition of Delaware Valley. 1999.
Drexel Dormitory Review Committee. Powelton Village Civic Association, Philadelphia, 1997-98.

University, School and Department Committee Service

Department of Architecture, School of Design, University of Pennsylvania

Member. Faculty Search Committee, Environmental Building Design, 2011-12.
Executive Committee, School of Design. 2008-11.
Executive Committee, Integrated Product Design, MSE. 2007-.
Chairman. Faculty Search Committee, Construction, 2005-07.
Chairman. Admissions Committee, Masters of Architecture, 2003—08, 2009-10.
Member. Faculty Search Committee, Theory/History, 2003-2005.
Chairman. Architectural Events and Lectures Committee, 1996-2002.
Studio Coordinator. ARCH 601, second year graduate design studio, 1999-2006.
Chairman. Dales Traveling Fellowship Competition, 1998-2005.
Chair. Faculty Search Committee, Technology, 2001-2002.
Member. Faculty Search Committee, Department Chair, 2001-2002.
Member. Faculty Search Committee, Technology, 2000-2001.
Chairman. Faculty Search Committee, Digital Media, 1997-99.
Member. Thesis Committee, 1997-99.
Member. Curriculum Committee, 1998-2001.
Member. Technology Committee, 1997-2001.
Member. Admissions Committee, 1995-2001.
Member. Exhibition Committee, 1995-96.
Faculty Advisor/Editor. Web Site, 1995-97.

Faculty Supervisor. The Architectural Review, Department of Architecture, 1994-96.

Graduate Group in Architecture, School of Design, University of Pennsylvania

Member. Admissions Committee, 1995-.

School of Design, University of Pennsylvania

Member. Personnel Committee, 2004-7.

Board Member. Penn Praxis, GSFA center for practice and research, 2002-2005.

Board Member. Executive Committee, GSFA Alumni Association, 2000-2002.

Member. Curriculum Committee, 1996-2002.

Member. GSFA Alumni Association, 1995-2002.

Undergraduate Major in Architecture, University of Pennsylvania

Academic Advisor. 1997-98.

Chairman. Brochure Committee, 1997-98.

Studio Coordinator. DENV 410 design studio, 1996-98.

Department of Mechanical Engineering and Applied Science, School of Engineering and Applied Science, University of Pennsylvania

Member. Search Committee, Associated Director Integrated Product Design, 2011.

Member. Selection Committee, Department Chairman. 2011.

University of Pennsylvania

Faculty Advisory Committee, Initiative for Global Environmental Leadership, Wharton School, 2008-.

Co-Chair. Utilities Group, Sustainability Advisory Committee, Facilities and Real Estate Services. 2007-2012.

Member. Thought Leadership: Ad-hoc Committee on East Campus Expansion, Office of the Executive Vice-President. 2005-2006.

Honors and Awards

Design Intelligence, "Most Admired Educators 2010," America's Best Architecture and Design Schools, 2010.

Who's Who in America, Marquis Who's Who, 2010.

G. Holmes Perkins Teaching Award, School of Design, University of Pennsylvania, May 2004.

Samuel Huckell, Jr. Design Prize, University of Pennsylvania, 1983.

E. Lewis Dales Traveling Fellowship, University of Pennsylvania, 1982.

Sigma Xi Honor Society (Architectural Research), Princeton University, 1979 .

Memberships

American Society of Heating, Refrigeration, and Air-conditioning Engineers (ASHRAE), 2003-.

International Association of Lighting Designers (IALD, Educational), 1997-.

Society of Building Science Educators (SBSE), 1992-.

American Institute of Architects (AIA), Philadelphia Chapter, 1985-.

College of Fellows, 2006-.

Committee On The Environment (COTE). 1990-.

Awards Committee. 2000-2001.

Architectural Registration: Pennsylvania, New York (inactive), and NCARB, 1985-.

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