

Curriculum Vitae, September 2020

JONATHAN OCHSHORN

Department of Architecture, 139 East Sibley Hall, Cornell University, Ithaca, NY 14853

phone: 607-255-1194; *fax:* 607-255-0291

email: jo24@cornell.edu

web: <https://jonochshorn.com>

Education

City College of New York, 1985–1986

Master of Urban Planning (Urban Design), 1986

Massachusetts Institute of Technology, 1975–1976

M.S. program, Structural Engineering (no degree conferred)

Cornell University, 1970–1975

Bachelor of Architecture, 1975

Academic Experience

Professor, Department of Architecture, Cornell University, 2011–present

Fulbright Scholar (lecturer), School of Architecture, Tianjin University, China, Fall 2016

Associate Professor, Department of Architecture, Cornell University, 1996–2011

Associate Professor, Department of Architecture, The Chinese University of Hong Kong, 1997–1998 (sabbatical leave)

Assistant Professor, Department of Architecture, Cornell University, 1988–1996

Adjunct Assistant Professor, Department of Architecture, City College of New York, 1980–1987 (except Spring 1983, Substitute Assistant Professor, full-time)

Professional Registration

Registered Architect, New York State, since 1979 (#14264)

Professional Membership

International Code Council (ICC): 2010–present

Building Technology Educators' Society (BTES): 2008–present

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (ASHRAE): 2006–present

Construction Specifications Institute (CSI): 1990–present

Honors and Awards

Fulbright Scholar Award to lecture at Tianjin University, School of Architecture, Tianjin, China from September 2016 through January 2017

Fulbright Senior Specialist Award: conducted workshop on structural behavior at Chiang Mai University, Thailand, August 2001

Numerous full fellowships to attend various professional workshops and courses, including the University Professors' Masonry Workshop (2007), and the National Emergency Training Center, Multihazard Building Design Summer Institute (1995, 1996, 1999).

"Certificate of Appreciation," Mind-Builders Creative Arts Center: for supporting their efforts to provide professional arts and education services to the Bronx community, April 1985

"Building Brick Award," New York Urban League (Manhattan Borough Board): for activities supporting the renovation of the League's Harlem office, January 1985

Exhibitions and other events

Faculty exhibit: "Determining the Average R-Value of Tapered Insulation," E. Sibley Hallway, Cornell University, October 2019

Faculty exhibit: "Architecture without borders," E. Sibley Hallway, Cornell University, April 2017

Performed original song at 2017 Tianjin University event for international students, Dec. 30, 2016.

Presented original song and video at *Thumbnail* event at Cornell University with the theme of "fluff," April 15, 2016

Milstein Hall construction videos, "OMA/Progress," Barbican Art Gallery, London, England, Oct. 6, 2011 – Feb. 19, 2012

Faculty show: "Cause and Effect," Hartell Gallery, Cornell University, Feb. 14–25, 2005

Papers and Publications

1. Peer-reviewed papers and publications

Jonathan Ochshorn, "Sullivan's Eagle: Form and Function Artistically Considered," 108th ACSA Annual Meeting, San Diego, CA, March 12–14, 2020

Jonathan Ochshorn, "Flexibility and its discontents: Colquhoun's critique of the Pompidou Center," BLACK BOX: Articulating Architecture's Core in the Post-Digital Era, 107th ACSA Annual Meeting, Carnegie Mellon University, March 28–30, 2019

Jonathan Ochshorn, "Revisiting Form and Forces: A Critique of Graphical Statics," 2017 Architectural Engineering Institute (AEI) National Conference, Oklahoma City, April 11–13, 2017

Jonathan Ochshorn, "Architecture's Dysfunctional Couple: Design and Technology at the Crossroads," *The International Journal of Design Education*, Volume 7, Issue 4, 2014

Jonathan Ochshorn, "A Probabilistic Approach to Nonstructural Failure," *Architectural Engineering Institute 2013 Conference (ASCE)*, Penn State University, April 2013

Jonathan Ochshorn, "Minimizing Heat Loss through Tapered Insulation," *Construction Specifier* (official publication of the Construction Specifications Institute), Vol. 64 No. 8 (Aug. 2011), 48–53

Jonathan Ochshorn, "Determining the Average R-value of Tapered Insulation," Technical paper, *ASHRAE Transactions*, American Society of Heating, Refrigerating and Air-Conditioning Engineers, Vol 117 Issue 1, 2011, pp. 859–867

Jonathan Ochshorn, "Approximate Derivation of Critical Buckling Load," Technical Note, American Society of Civil Engineers *Journal of Architectural Engineering* 15, no. 4, 139–141 (Dec. 2009)

Jonathan Ochshorn, "What Sustainability Sustains," Presented at the *Hawaii Conference on Arts & Humanities*, Honolulu, Hawaii, January 2008. Abstract published in Conference Proceedings, ISSN# 1541-5899, pp. 4024–4025

Jonathan Ochshorn, "Designing Building Failures" *Proceedings of the 2006 Building Technology Educators' Symposium*, University of Maryland, College Park, August 2006.

Jonathan Ochshorn, "Guidelines for the Use of Collar Beams," *Journal of Architectural Engineering*, American Society of Civil Engineers, Vol.3, No.1, Mar. 1997

Jonathan Ochshorn, "Contradictions in the Use of Collar Beams," *Journal of Architectural Engineering*, American Society of Civil Engineers, Vol.2, No.1, Mar. 1996

Jonathan Ochshorn, "Disembodied Technology and Design," *Body, Technology, and Design* (Washington, DC: ACSA Press, 1993), proceedings of the 11th Annual ACSA Technology Conference, Phoenix, Arizona, Jan. 28–30, 1993

Jonathan Ochshorn, "On the Disappearance of Monolithic Walls: Meditations on a Brick," *Making Environments: Technology and Design*, (Washington, DC: ACSA Press, 1992), proceedings of the 1992 ACSA Technology Conference, San Diego, CA, Feb. 6-8, 1992

Jonathan Ochshorn, "Separating Science from Architecture: Why Technology is Taught Outside the Design Studio," *The Architecture of the In-Between: Proceedings of the 78th Annual Meeting of the ACSA*, 1990, San Francisco, CA, March 17–20, 1990 [originally published in 1989 (see below), selected for presentation and publication at national conference]

Jonathan Ochshorn, "Teaching Technology: What Do Architects Need to Know About Structures?" *On Architecture, the City and Technology* (Stoneham, MA: Butterworth Publishers, 1991), selected articles from the 1990 ACSA Technology Conference, Los Angeles, CA, February 15–18, 1990

Jonathan Ochshorn, "Separating Science from Architecture: Why Technology is Taught Outside the Design Studio," *Defining Architecture: An Autonomous or Interdisciplinary Endeavor? Proceedings of the 1989 ACSA East Central Regional Conference*, Ann Arbor, MI, October 19–21, 1989

Jonathan Ochshorn, "Structure vs. the Expression of Structure," *Proceedings of the Symposium on Architecture and ACSA Technology Conference*, 1989, Baton Rouge, LA, February 2–4, 1989

2. Books

Jonathan Ochshorn, *Building Bad: How Architectural Utility is Constrained by Politics and Damaged by Expression*, Lund Humphries, forthcoming (2021).

Jonathan Ochshorn, *Structural Elements for Architects and Builders*, 3rd^d edition, proudly and independently published, 2020.

Jonathan Ochshorn, *Structural Elements for Architects and Builders*, 2nd edition, Common Ground Publishing LLC (part of the Constructed Environment book imprint), 2015.

Jonathan Ochshorn, *Structural Elements for Architects and Builders*, Butterworth-Heinemann (an imprint of Elsevier Press), Nov. 2009.

3. Chapters in books

Jonathan Ochshorn, "Experiencing Urban Infrastructure in Tianjin," *Narrative Inquiries from Fulbright Lecturers in China: Cross-Cultural Connections in higher Education, 1st Edition*, Edited by Shin Freedman, Pat Munday, and Jeannette Cockroft, Routledge, 2019.

Jonathan Ochshorn, "Structural design—steel" chapter, *Time-Saver Standards for Architectural Design Data*, 8th edition, McGraw-Hill, 2005.

Jonathan Ochshorn, "Structural design—steel" chapter, *Time-Saver Standards for Architectural Design Data*, 7th edition, McGraw-Hill, 1997.

4. Published Essays

Jonathan Ochshorn, "Utility's Evil Twin: The Function of *Venustas* and the Fear of Reality," Val Warke, ed., *Cornell Journal of Architecture*: 11 (March 2020), Actar Birkhauser Distribution.

Jonathan Ochshorn, "Brick," "Curtain Wall," "Steel," "Stone," and "Truss Systems" essays, *Encyclopedia of Twentieth Century Architecture*, Routledge, 2003.

Jonathan Ochshorn, "Overcoming Ambivalence" essay appears in abridged form in *Association Vol. I / Fall 05*, a student publication of the College of Architecture, Art & Planning, Cornell University (full version can be found online at: <https://jonochohorn.com/scholarship/writings/ambivalence.html>).

Jonathan Ochshorn, "Technology in the Design Studio," *Cornell Journal of Architecture*: 6, 1999.

Peer-reviewed Conference Session Topics

Chair of "Design Abstraction and Building Construction" session for 2009 Annual Meeting of the Association of Collegiate Schools of Architecture (ACSA), Portland, Oregon: session topic selected through blind, peer-reviewed process. March 2009.

Publications/podcasts about my work or teaching

Matthew Green, "Perspectives On Timber's Re-Emergence as a Building Material," *Cornell Program in Real Estate, Real Estate Review Blog*, May 26, 2016, interview (<http://blog.realestate.cornell.edu/2016/05/26/perspectives-on-timbers-re-emergence-as-a-building-material/>)

Faculti web lecture on "Architecture's Dysfunctional Couple: Design and Technology at the Crossroads," recorded January 2015 (<https://faculti.net/video?v=638>)

"OMA Gosh, What a Disaster," *Architect's Newspaper*, Nov. 13, 2013, p.5, article about my Critique of Milstein Hall: "Oschor'n's [sic] review, which is available online, makes for a scintillating read..."

Enoch Sears, *BusinessOfArchitecture.com*, podcast interview on the subject of Milstein Hall and the conflict between abstraction and building technology. Posted Oct. 15, 2013 (<http://www.businessofarchitecture.com/business-of-architecture-podcast/rem-koolhaas-designed-milstein-hall-disaster/>)

David D'Arcy, "The Coveted Barnes Collection," Adobe Airstream, June 7, 2012 comments on and links to my Paul Goldberger Barnes Foundation parody (accessed online 9/25/12 at: <http://adobeairstream.com/art/the-coveted-barnes-collection/>)

Sherrie Negrea, "Milstein Hall Site is a Teaching Lab for Architecture Students," Cornell University ChronicleOnline, April 28, 2010 (accessed online 4/30/10 at: <http://www.news.cornell.edu/stories/April10/MilsteinAAPlab.html>)

Sherrie Negrea, "Construction Site as Lab: Faculty Uses Paul Milstein Hall Project in Classes," Cornell University AAP News, March 19, 2010 (accessed online 4/7/10 at: http://aap.cornell.edu/milstein/news/newsitem.cfm?customel_datapageid_2892=373396)

"Designing Your Own Home," *Stainless Steel World News*, KCI Publishing BV, Netherlands, June 2007, p.26 (article on stainless steel stair truss I designed and engineered for a residential addition completed in 2005).

Summary of Professional Experience (selected projects listed at end of C.V.)

Jonathan Ochshorn, 1990–present
Private Practice, Architect

John Ash A.I.A. Assoc., 1987–1988
Architecture and Urban Design
Project Manager

City College Architectural Center, 1984–1987
Community Design Center
Associate Director

Battaglia-Seckler, Architects, 1982–1983
Project Architect

Pomeroy, Lebduska Assoc., 1978–1980
Architects and Planners
Project Architect/ draftsman

Poor, Swanke, Hayden & Connell, Architects, 1976–1978
Draftsman

Research Positions

Research Assistant, Seismic Design Decision Analysis
Department of Civil Engineering, Massachusetts Institute of Technology, 1975–1976

Courses Taught: Cornell University

Design

Collaborated in teaching 3rd- and 4th-year design studios (1991, 2000); taught 2nd-year studio (Fall 1989); numerous B.Arch, M.Arch, and post-professional M.Arch II thesis committee assignments.

Construction

ARCH 2614/5614, *Bldg. Technology I: Materials and Methods* (2012–present)
ARCH 2602/5602, *Bldg. Technology, Materials and Methods* (1989–2010)
ARCH 4621 *Sustainable Architecture: The Science and Politics of Green Building* (2010–2012, 2014–2016; 2018–2019)
ARCH 4605 *Case Studies in Comprehensive Design* (2008)
ARCH 367/667 *Working Drawings* (1992-93, 99, 02, 04, 05, 07)
ARCH 465 *Fire Safety* (2006)
ARCH 465 *Building Envelope Design* (1995, 2000)

Environmental Controls

ARCH 261, *Site Planning* (1989–1993)

Structures

ARCH 2615/5615, *Bldg. Technology II: Structural Elements* (2013–present)
ARCH 263, *Structural Concepts—Statics; Strength of Materials* (summer 1989–90, 93, 96-97, 99–00; Spr/91; Fall/91–92)
ARCH 2604/5604 *Structural Elements—Steel, Concrete, Timber* (1988–2012)
ARCH 363 *Structural Systems II—Reinforced Concrete* (summer 1992)
ARCH 366/666 *Tectonic Articulation of Structure* (1998, 2001, 2003, 2004)

Misc.

ARCH 5203 *Multicultural Work Environments* (2002 – present). I designed and implemented this course intended for foreign students who obtain summer internships under the Federal *Curricular Practical Training* (CPT) program.

Special Committee minor member for masters student in Design and Environmental Analysis, 2007-2008; in Computer Graphics, 1997–1998.

Courses Taught: Tianjin University (Fall 2016)

Construction

Introduction to Construction Materials and Methods in U.S. Practice

Sustainability

Introduction to the science and politics of green buildings in U.S. practice

Courses Taught: Chinese University of Hong Kong (1997–98)

Design

ARC 3010, ARC 3020, *3rd-year design*

Structures

ARC 2410, *Building Structures and Construction*
ARC 5401, *The Tectonic Articulation of Structure*

Courses Taught: C.C.N.Y (1980-87)

Design

Taught numerous 1st- and 2nd-year design studios (coordinated 1st-year design);
B.Arch. thesis.

Structures

AES 243, *Statics*
AES 354, *Strength of Materials*
AES 364, *Wood and Steel*
AES 474, *Reinforced Concrete*

Drawing

AES 111, *Graphic Communication Workshop*

Invited Lectures, Panels, Symposia

"Designing Building Failure: The Relationship Between Building Failure and Design Attitudes,"
Hebei University of Technology, Tianjin, China, Dec. 22, 2016

"Unfrozen Music: An Informal Talk About My Songs Concerning Style, Fashion, and other
Paradigm Shifts within Architectural Culture," Xiamen University (Overseas Education College),
Xiamen, China, two lectures, Dec. 15 and Dec. 16, 2016

"Unfrozen Music: An Informal Talk About My Songs Concerning Style, Fashion, and other
Paradigm Shifts within Architectural Culture," Nanjing Normal University (Honors College),
Nanjing, China, Dec. 13, 2016

"Governmental Intervention Versus Architectural Idealism: Case Studies in Fire Safety,
Accessibility, and Sustainability," Nanjing Normal University (Honors College), Nanjing, China,
Dec. 12, 2016

"Unfrozen Music: An Informal Talk About My Songs Concerning Style, Fashion, and other
Paradigm Shifts within Architectural Culture," Southwest University, Chongqing, China, Dec. 5,
2016

"Designing Building Failure: The Relationship Between Building Failure and Design Attitudes,"
Southwest University, Chongqing, China, Dec. 5, 2016

"Designing Building Failure: The Relationship Between Building Failure and Design Attitudes,"
Tsinghua University Department of Architecture, Beijing, China, Nov. 24, 2016

"Unfrozen Music: An Informal Talk About My Songs Concerning Style, Fashion, and other
Paradigm Shifts within Architectural Culture," Tianjin University School of Architecture, Tianjin,
China, Nov. 9, 2016

"Limitations of Green Building Rating Systems," First APEC Workshop on Cost-Effective
Renewable Energy-Supply Solutions Based on Innovative Solar Technologies to Promote Green
Buildings at the 2nd Asia-Pacific Energy Sustainable Development Forum, Asia-Pacific Economic
Cooperation (APEC), Tianjin, China, Nov 4, 2016

"Green Buildings," Govt 2240/Hort 2240: Ecology and Politics of the Metropolis, Cornell University, April 25, 2013

Presenter at "topical lunch" sponsored by the Atkinson Center for a Sustainable Future on the topic "Should Cornell Buildings be LEED-Certified?" Cornell University, Oct. 5, 2012

Co-Moderator, The Hans and Roger Strauch Symposium on Sustainable Design: "Sustaining Sustainability," Cornell University, Ithaca, NY, February 3–4, 2012

Panelist (respondent) for "Contemptible Details" session, 2009 Annual Meeting of the Association of Collegiate Schools of Architecture (ACSA), Portland, Oregon, March 2009.

"Structural Systems in Architecture" and "Construction Systems in Architecture," Cornell Summer Introduction to Architecture Program, Ithaca, NY (numerous years).

"The Construction of Buildings," ARCH 132: Introduction to Architecture, Department of Architecture, Cornell University (course open to non-departmental students only), March 27, 2001 (also given, ARCH 131 Introduction to Architecture, Fall 2003);

Four lectures given for ARCH 132: Introduction to Architecture, Department of Architecture, Cornell University (course open to non-departmental students only): "The Idea of Structure," "The Expression of Structure," "Construction Systems and their Integration," and "The Disentanglement of Structure from Enclosure," 1994–1997

"Architecture and Urbanism in Hong Kong: A Visitor's Observations," Chinese Culture Society lecture series, Cornell University, Oct. 22, 2000

Two sessions prepared for ARCH 638: Postmodern critical texts, Department of Architecture, Cornell University (graduate seminar): "Introduction to tectonics (economic and cultural preconditions);" and "Critique of tectonics," Fall 1998, Fall 1999, Fall 2003

"Experiencing American Sprawl: The Architecture of the Highway, Suburb, Strip, and 'Edge City'," The Chinese University of Hong Kong, GEE 201 Y (Experiencing Architecture 'general education course'), March 19, 1998

"Ordinary Structures," The Chinese University of Hong Kong, 5th-year thesis class, Feb. 21, 1998

"Anti-tectonics," University of Maryland School of Architecture Fall 1996 lecture series, Oct. 30, 1996 (My participation as a guest critic in the University of Maryland's design-technology integration experiment is cited in: Carl Bovill, Amy E. Gardener, and Gregory Wiedmann, "Intention, Form, and Execution: A Comprehensive Studio Curriculum," *Journal of Architectural Education*, ACSA, 1997, pp.84–91)

"The City College Architectural Center," Cooper-Hewitt Tour of Harlem, New York, NY, 1986

"Advocacy and Community Design Centers," Urban Reconstruction graduate elective (Prof. Lance Brown), City College Dept. of Architecture, New York, NY, 1985–1986

Institutional Service: *Department of Architecture (and Graduate Field)*

Director of Graduate Studies, October 2019–June 2020

Interim Director of Graduate Studies, Fall 2017

Director of Graduate Studies, 2012–2015

Director of Undergraduate Studies, 2010–2011
Associate Chair, Department of Architecture, Fall 2001– 2004.
Director of Graduate Studies, Field of Architecture, 1996–2004 (on leave 1997-98, Spring 2000)
Undergraduate Advisor, Department of Architecture, 1991– present
Chair, various departmental committees: Undergraduate Curriculum (2010–2011); Governance (1998–2001), Undergraduate Admissions (1995–1996), Awards, Medals & Prizes (1995–1997)
Chair, various departmental search committees: Environmental Systems (1990–1991, 1994–1997; 1999–2001, 2006–2007), Computer Graphics (2002–2003)
Department Faculty Secretary (1992–1994, 1996–1997, 2006–2007)
Member of many departmental committees, too numerous to itemize.

Institutional Service: *College of Architecture, Art & Planning*

Member, AAP Executive Committee, 2010–2011; 2012–2015; Fall 2017
Member, AAP Academic Policy Committee, 2010–2011
Department faculty representative on College Curriculum Committee, 2008–2009
Departmental faculty representative on College Eidlitz Fellowship Committee, 2006
Harassment Advisor, 1998–present
Member, various College committees

Institutional Service: *University Committees, Projects, Task Forces*

Member, University Faculty Library Board (2017–2021)
Faculty Fellow (2012 – present) and member of Faculty Advisory Board (2012–2018), Atkinson Center for a Sustainable Future, Cornell University
Chair, University Lectures Committee (2010–2011)
Member, University Lectures Committee (2007–2011)
Member, Advisory Committee on Sanctions (2008)
Member, University Hearing and Review Boards (2004–2008, 2012–2014, 2014–2016)
Chair, University Committee on Academic Freedom and Professional Status of the Faculty (2003–2004; member of committee 2001–2004)
Chair, University Task Force on Suspension Policy (2003)
Participant, Freshman Reading Project, Cornell University (2001–2003)
Member, University Faculty Senate (1998–2002)
Member, University Task Force on Hazing (2001)
Participant, Academic Leadership Series, Cornell University (May, 1999)
Member, University Conflicts Committee (1997–1998)
Member, University Campus Planning Committee (1996–1998)
Member, Design Review Subcommittee (1996–1998)
Member, University Hearing Board (1990–1994)
Participant, Human Resources and Employee Benefits Advisory Committee meeting to review "managed care" health care option (1993)

Editorial and Advisory Boards, Program Review, Competition Juries

Juror for the 11th annual ACSA/AISC Student Design Competition (2011)

External program reviewer, M. Arch. degree program, University of Cincinnati (2008)

Advisory board, *Fundamentals of Building Construction*, John Wiley & Sons, publisher (2007)

Advisory board, *Architectural Graphic Standards*, Student Edition, John Wiley & Sons, publisher (2006–2007)

Fulbright Senior Specialist Program Urban Planning 2 Peer Review Committee (2006–2008)

Paper/Book/Research Proposal Reviewer

Routledge proposal review: sustainability text (2018)

Routledge proposal review: structures text (2013)

Architectural Research Centers Consortium: Conference paper reviewer (2012–2013)

Elsevier proposal review: sustainable buildings book (2012)

Routledge proposal review: structures text (2012)

Elsevier proposal review: sustainable buildings book (2008)

Elsevier (Science and Technology Books) proposal review: tall buildings text (2008)

Elsevier (Science and Technology Books) proposal review: engineering programming text (2008)

Cambridge University Press: review of structural text (2007)

External reviewer for Research Grants Council (RGC) of Hong Kong (2007)

John Wiley & Sons: review of construction text in anticipation of revised edition (2006)

John Wiley & Sons proposal review: structural text and interactive software (2005)

2000 ACSA International Conference in Hong Kong

Paper (peer) reviewer for session on "Identity and Trans-Cultural Practice" (1999)

Cornell Journal of Architecture

Paper (peer) reviewer for submitted manuscripts (1998)

Journal of Architectural Engineering

Paper (peer) reviewer for submitted manuscript (1996)

Interdisciplinary Interactions

Piano accompanist for dance technique and improvisation classes, Dept. of Theatre, Film & Dance, with J. Chu, J. Kovar, J. Morgenroth, J. Self, B. Suber, and others (1988–2011);

accompanist for special "master classes" at Cornell: Stephen Petronio, Alvin Ailey (2008);

accompanist for Fall Dance Theater Concert ("Zig Zag") at Cornell (2008).

Community Service and grants

Travelling Powerhouse for Environmental Education "Engaged Cornell Opportunity Grant" for \$5000, working with Cornell University Sustainable Design and "Get Your GreenBack Tompkins" for the construction of a mobile high-performance "Tiny Home" with hands-on, interactive exhibits on energy efficiency, heating, lighting, solar, and other green technologies (2018)

Lecture on sustainable buildings and LEED to *Energy Corp*, a student-run initiative that performs energy-efficiency upgrades on campus buildings at Cornell University (2013)

Lecture on architecture to Architectural Drawing class, Watkins Glen High School (2010)

Coordinator (with Prof. Richardson) of work-study design project for renovation and expansion of Town Hall, Hector, New York (1999)

Awarded two grants from Cornell's "Faculty Fellows in Service" program (with Prof. Richardson) to involve undergraduate architecture students in preliminary design studies for local not-for-profit community groups. Preliminary design studies for both projects, one for the Sciencenter in Ithaca (1995), and one for the Spencer Emergency Squad (1995), have been completed.

Research

iPad application designed by *Architactile* references and uses some of the output from my online "allowable area" calculator. "Architactile Inception for Apple iPad is the world's first application designed specifically to accelerate early project definition." See: <http://architactile.com/inception> (2011).

Development of web-based (online) calculators for structural engineering and building technology applications: linked from <http://courses.cit.cornell.edu/arch264/calculators/> and <http://courses.cit.cornell.edu/arch262/calculators/> (ongoing project, since 2008)

Rafter Span and Fastening Graphs for Variable Roof Angles and Multiple Loading Scenarios: development of structural design strategies and software, supported by the Dept. of Architecture, College of Architecture, Art & Planning, and the Program of Computer Graphics at Cornell (1995)

Project to design and create physical models to demonstrate various aspects of structural behavior (with Prof. Mark Cruvellier), College of Architecture, Art & Planning (1993)

Summer Support from Program of Computer Graphics and College of Architecture, Art & Planning to develop interactive computer software for the graphic display of combined stresses on beams (1991)

New Faculty Equipment Grant (with Professor Hall), Cornell University: "Equipment Proposal to Support Research in Computer Applications to Architectural Technology and Design" (1989)

Architectural Practice: Selected Projects

Jonathan Ochshorn, Architect, Ithaca, NY. Dates: 1990-present

Title: Private Practice

Web: www.jonochshorn.com/design/practice

Addition design: Ann Arbor, MI

Project date: 2015

Contribution: 100% design, 100% drawings

Status: Complete

Boathouse Repair: Ithaca, NY

Project date: 2006

Contribution: consultation, construction details

Status: Complete

Ochshorn/Schwartz Rainwater Harvesting: Ithaca, NY
Project date: 2006
Contribution: 100% design, 100% drawings, 100% construction
Status: Complete

Ochshorn/Schwartz Addition to residence: Ithaca, NY
Project date: 2004 – 2005
Contribution: 100% design, 100% drawings, 75% construction
Status: Complete

Searsburg Road Residence: Alterations and Additions, Trumansburg, NY
Project date: 2000–2001
Contribution: Consulting on structural alterations and construction detailing
Status: Complete

Design-build Deck Project (1000 sq. ft.): Added to residence in Danby, NY
Project date: 2000
Contribution: 100% design, 100% drawings, construction help and advice
Status: Complete

Residence: Brownstone Renovation, Brooklyn, NY
Project date: 1995
Contribution: 50% design, 50% drawings and specs.
Status: Complete

Residence: Roof failure analysis and redesign, New Rochelle, NY
Project date: 1993
Contribution: 100% analysis, design, drawings and specs.
Status: Complete

Residence: New Construction, Danby, NY
Project date: 1992
Contribution: 100% design, 100% drawings
Status: Completed 1995

Residence: Renovation, Ithaca, NY
Project date: 1991
Contribution: 50% design, 100% drawings, 95% construction
Status: Complete

Residence: Renovation and Addition, Cayuga Heights, NY
Project date: 1990
Contribution: 100% design, drawings and specifications
Status: Complete

John Ash A.I.A. Associates, Architecture, Urban Design. Dates: 1987-1988

Title: Project Manager

Corporate Park Plaza, Retail Shop Building, Irvine, CA
Project date: 1987
Contribution: 100% drawings and specifications; project management
Status: Complete

Irvine Home & Garden Center, Tenant Improvements, Irvine, CA
Project date: 1987
Contribution: 100% design and contract documents (Lusk-Serengeti); Project Management (all T.I.'s, including Pier 1 Imports, Village Patio Shop, etc.)
Status: Complete

Battaglia-Seckler Architects. Dates: 1982-1983

Title: Project Architect

Renovation of Merchant Marine Dormitories (Phase II), Kings Point, NY
Project date: 1982
Contribution: 90% Contract Documents; 100% cost estimates
Status: Complete

Pomeroy, Lebduska Assoc., Architects and Planners. Dates: 1978-1980

Title: Project Architect/Draftsman

Home Box Office, New Headquarters Building, Rockaway, NJ
Project date: 1980
Contribution: 50% Design; 50% presentation drawings
Status: schematics completed; project site abandoned
Trinity Church Bridge, Planning Study, New York, NY
Project date: 1980
Contribution: 100% written report; 100% drawings
Status: In abeyance

Apartment Renovation, The Dakota, New York, NY

Project date: 1980
Contribution: 75% design; 100% contract documents and specifications
Status: Complete

Con Edison Conservation Center, Chrysler Building, New York, NY

Project date: 1979
Contribution: 10% design; 50% contract documents; 50% supervision
Status: Complete

Trinity Church Parish Hall, New York, NY

Project date: 1978
Contribution: 25% design; 50% contract documents; 50% supervision
Status: Complete

Poor, Swanke, Hayden & Connell, Architects. Dates: 1976-1978

Title: Draftsman

Barnes Group, New Headquarters Building, Bristol, CT
Project date: 1978
Contribution: 50% presentation drawings; 20% contract documents
Status: Complete

Standard Oil of Ohio Master Plan, Cleveland, OH

Project date: 1977
Contribution: Perspective renderings; design studies
Status: Unknown

Northwestern Mutual Life Insurance, Renovation and Addition, Milwaukee, WI

Project date: 1976

Contribution: 50% presentation drawings; 50% design development drawings
Status: Complete

**Community Design:
Selected Projects**

**City College Architectural Center, City College of New York. Dates: 1984-1987
Title: Associate Director**

As Associate Director, I had primary responsibility for the operation of the Community Design Center within the Department of Architecture at City College of New York. These responsibilities included overseeing more than 50 projects; supervising student interns; selecting Clients; reviewing design proposals; preparing budgets and successful grant applications; and, in general, administering the Center's day to day operation.

The Architectural Center provided feasibility studies to community-based groups, primarily for the rehabilitation of housing, the renovation and expansion of community facilities and the design of shelters for the homeless. Selected projects, completed under my supervision, include the following:

- 1986 Multi-use Dance and Studio Space
Boys Harbor, Inc., New York, NY
Construction cost estimate: \$80,600
- 1986 Rehab: Transitional Housing for Battered Women
Sanctuary for Families, Bronx, NY
Construction cost estimate: \$3,500,000
- 1986 Rehab: Housing
Youth Action Restoration Crew, New York, NY
Construction cost estimate: \$190,650
- 1985 Design: Mental Health Clinic Renovation and Expansion
Harlem Interfaith Counseling Service, New York, NY
Construction cost estimate: \$15,600
- 1985 Adaptive Re-use: Church with Community Services
Fountain of Love Church, Bronx, NY
Construction cost estimate: \$358,800
- 1985 Neighborhood Survey: Washington Heights/Harlem
The Community League of West 159 Street, Inc.
- 1985 Rehab: NYS Homeless Housing Assistance Program
The Community League of West 159 Street, Inc., New York, NY
Construction cost estimate: \$1,063,600
- 1984 Rehab: Urban Homesteading Program
East Harlem Homesteaders Program, New York, NY
Construction cost estimate: \$388,300