

Neil Meredith

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Education

University of Michigan Taubman College of Architecture and Urban Planning, Master of Architecture, 2004

Columbia University Graduate School of Architecture Planning and Preservation, Summer Studio, 1999

University of Michigan Taubman College of Architecture and Urban Planning, Bachelor of Science, 2000

Teaching Experience

New Jersey Institute of Technology School of Architecture, Adjunct Instructor

Fall 2013 Arch 583: Material Systems

Columbia University Barnard + Columbia Architecture, Independent Study Advisor

Fall 2011 Means and Methods

Columbia University Graduate School of Architecture Planning and Preservation, Adjunct Assistant Professor

Winter 2010 Columbia Building Intelligence Project (C-BIP) Integrated Studio

Lawrence Technological University College of Architecture and Design, Lecturer in Architecture

Fall 2006 ARC 1115: Design Elements and Principles

University of Michigan Taubman College of Architecture and Urban Planning, Lecturer in Architecture

Summer 2006 Arch 509: Drawing Machines

Winter 2006 Arch 427: Construction 2
Arch 571: Digital Fabrication
Digital Fabrication Lab Coordinator

Fall 2005 Arch 417: Construction 3G
Arch 571: Digital Fabrication
Digital Fabrication Lab Coordinator

Neil Meredith

2

Teaching Experience (continued)

Winter 2004 Arch 428: Construction 2
Arch 571: Digital Fabrication
Digital Fabrication Lab Coordinator

Fall 2004 Arch 317: Construction 1
Arch 571: Digital Fabrication
Digital Fabrication Lab Coordinator

University of Michigan Taubman College of Architecture and Urban Planning, Graduate Student Instructor

Summer 2003 Arch 509: Digital Representation with Prof. Oliver Neumann

Fall 2003 Arch 202: Graphic Communication with Prof. Christian Unverzagt

Winter 2003 Digital Fabrication Lab Research Assistant with Prof. Karl Daubmann

Professional Experience

Gehry Technologies New York NY, Consultant, 2007-present

LaGuardia Airport Redevelopment Program

Construction coordination and sequencing for airport site. With URS Corporation: 2013, (under construction).

Berkeley Art Museum/Pacific Film Archive

Fabrication design modeling of formed metal enclosure system. With MG McGrath Sheet Metal and Diller Scofidio + Renfro: 2013, (under construction).

Northrop Hall Interior

Fabrication design modeling for formed metal interior system. With MG McGrath Sheet Metal: 2013, (built).

Radison Blu

Fabrication design modeling for faceted metal interior system. With MG McGrath Sheet Metal: 2013, (built).

Dunes Residence

Construction and fabrication design of a complex house design in Southampton, NY. With Diller Scofidio + Renfro: 2012-13, (under construction).

Halifax Central Library

Fabrication modeling for unitized curtain wall system. With Contract Glaziers: 2012, (under construction).

Neil Meredith

3

Professional Experience (continued)

Pan Am Olympic Village

Fabrication modeling for unitized curtain wall system. With Contract Glaziers: 2012, (under construction).

Edmonton International Airport

Fabrication design modeling of formed metal enclosure system. With Thermal Systems and EllisDon: 2011-12, (built).

The Broad Museum

Design detailing of formed concrete enclosure for a museum in Los Angeles. With Diller Scofidio + Renfro, Gensler and Clark Pacific: 2011-12, (under construction).

Yale Residential College

Design modeling of complex Gothic stone profiles for series of large campus building. With Robert AM Stern Architects: 2011, (unbuilt).

Cleveland Clinic Abu Dhabi

Construction coordination and sequencing for hospital in the UAE. With Samsung and BESIX: 2009, (built).

Burj Khalifa Lobby Ceiling

Fabrication design for double-curved wood interior ceiling in the Burj Khalifa tower, Dubai. With Imperial Woodworking and Skidmore Owings & Merrill (SOM): 2009, (built).

440 West 42nd Street

Construction coordination and sequencing for tower building in New York City. With Related: 2008, (built).

World Trade Center

Construction coordination and sequencing for World Trade Center construction site in New York. With the Lower Manhattan Construction Command Center (LMCCC): 2008-10, (built).

Louis Vuitton Ion Orchard

Fabrication modeling of formed interior glass panels. With Front: 2008, (built).

Yas Island Hotel Gridshell

Design modeling and coordination of complex glass gridshell structure in Abu Dhabi. With Asymptote: 2008, (built).

Al Raha Beach Tower

Design modeling and coordination for twisting tower design in Abu Dhabi. With Asymptote: 2008, (unbuilt).

Lincoln Square Synagogue

Fabrication modeling of custom curtain wall design. With Front: 2007-09, (under construction).

Lincoln Center Alice Tully Hall

Fabrication model for wood veneered plastic formed panels. With Diller Scofidio + Renfro: 2007, (built).

Neil Meredith

4

Professional Experience (continued)

Front Facade Consultant, 2010

Barclays Center

Fabrication design modeling of custom curtain wall system for a sports arena in Brooklyn. With SHoP Architects and ASI Limited: 2010, (built).

Shenzen Energy Mansion

Detail design for unitized curtain wall system for a tower in China. With Bjarke Ingels Group: 2010, (under construction).

Original Music Workshop

Design detailing of complex metal enclosure within a music performance space in Brooklyn. With Bureau V Architects: 2010, (built).

76N6

Design detailing of curtain wall system for a Brooklyn residential building. With Bureau V Architects: 2010, (built).

Torre R432

Detail design for unitized curtain wall system for a tower in Mexico City. With Rojkind Arquitectos: 2010, (under construction).

Theater for a New Audience

Detail design for custom curtain wall system for a performing arts space in Brooklyn. With H3 Hugh Hardy Architecture: 2010, (under construction).

Ottawa House of Commons West Block

Detail design for glass roof system. With ARCOP/Fournier Gersovitz Moss: 2010, (unbuilt).

DFS Galeria

Schematic design for formed stone facade system for a series of retail stores in China: 2010, (unbuilt).

Sheet Independent Research and Design Practice, 2004-present

Loose Fit

Prototype design and fabrication of a series of experimental building materials in ceramic: 2007, (in progress).

Parametric Furniture

Design and fabrication of a series furniture-scale objects exploring parametric design software: 2005-06, (built).

Shop Experiments

Design and fabrication of a series furniture-scale objects exploring CNC manufacturing techniques: 2005-06, (built).

Neil Meredith

5

Professional Experience (continued)

Body Chair

Design and fabrication of a chair modeled from a 3-D laser-scan of a human back: with Michael Silver, 2005, (built).

306090 05 06

Exhibition design presenting work from three issues of the journal *306090*: with Martha Merzig and Jeff Ponitz, Ann Arbor MI, 2005-06, (completed).

ReThink/ReDesign/ReCycle Competition

Design of an expandable metal mesh recycling container for street side use: Chicago IL, 2005, (completed).

Driving Detroit

A video exploring the relationship between Detroit and it's surrounding suburbs: 2005-06, (completed).

Shops at Lafayette Park Plaza Competition

Finalist for the design of a courtyard in the shops at Lafayette Park: with M1/DTW, Detroit MI, 2004, (unbuilt).

M1/DTW Detroit MI, Designer, 2003-07

Work @ Detroit Center Gallery

Design/Build renovation of a 1600 sq.ft. gallery: Detroit MI, 2007, (built).

Volume: Warchitecture

Information design in collaboration with Andrew Herscher for *Volume* magazine: 2007, (printed).

MAP: a-slah Hitoshi Abe

Publication design for a lecture given by Hitoshi Abe: 2006-07, (printed).

MAP: KVa

Publication design for a lecture given by Kennedy Violich: 2006-07, (completed).

6 Birmingham

Interior furniture design for Design/Build renovation of a 1500 square foot salon: Birmingham MI, 2006, (built).

Integral House: Shim·Sutcliffe

Book design documenting the Canadian architect's design process of a house for a mathematician: 2006, (printed).

TCAUP 100

DVD packaging design and collateral signage celebrating the College's centennial: 2006, (printed).

Court House

Residential design of a 3500 sq.ft. private residence: Birmingham MI, 2004-05, (unbuilt).

Neil Meredith

6

Professional Experience (continued)

Millennium Properties

Exterior renovation for a small real estate company: Waterford MI, 2004, (built).

Davo Photographic

Design/Build renovation of 3000 sq.ft. work spaces within a photography studio: Troy MI, 2003-04, (built).

Northwest Activities Center

10,000 sq.ft. interior athletic center reorganization and refinishing: Detroit MI, 2003, (built).

Sleeper Studio

Interior renovation of a 300 sq.ft. electronic music studio: Detroit MI, 2002-03, (unbuilt).

Elizabeth Alford Design New York NY, Designer, 2000-02

Soft Table

Design and fabrication of prototype rubber and formed metal coffee table: 2001-02, (built).

Spangler Apartment

Interior renovation of apartment in Dakota building: New York NY, 2001, (built).

DeDominicis Loft

Mezzanine addition to Manhattan loft: New York NY, 2000-01, (built).

Wegman Loft / Picture Ray Studio

Rooftop addition and custom furniture for a photographers home and studio: New York NY, 2000-01, (unbuilt).

Michael Young New York NY, Artists Assistant, 2001-02.

Professional Associations

Association for Computer Aided Design in Architecture (ACADIA) Member, 2006-present.

The Architectural League Member, 2000-present.

Certifications

Architect Registration Examination Currently pursuing remaining test divisions, expected completion 2014.

Neil Meredith

7

Fellowships / Awards / Grants

Material ConneXion®

Loose Fit project selected as part of the Material ConneXion® Materials Library, an international database of experimental materials for the design and design-related industries: 2010.

I.D. Magazine: Annual Design Review

Loose Fit series awarded Honorable Mention in the Furniture category for I.D. Magazine's Annual Design Review: 2009.

European Ceramic Work Centre (.ekwc)

Awarded three-month artists residency to research digital manufacturing techniques in producing ceramic building materials: 's-Hertogenbosch, The Netherlands, 2007.

Booth Travelling Fellowship

Submitted proposal for international travel grant to explore Chinese construction cultures: 2006.

SOM foundation

Invited submission for international travel grant: 2004.

Deborah J. Norden Fund

Submitted proposal for Architectural League travel grant "The American Grand Tour of Material Manufacturing" a cross country road-trip examining material manufacturing methods: 2003.

Contested Urbanism Studio Competition

"Material Arbitrage: Detroit Truck" a project examining the use of industrial scrap material for use as building material, selected for entry in a semester long competition studio: 2002.

Wallenberg Studio Competition

Senior studio project for a Detroit media center "Medium" selected to be one of eighteen projects to compete in an annual student competition held at the Taubman college: 2000.

Exhibitions

THINK: Material IIDEX/NeoCon Canada: Toronto, September 2011.

Ceramics in Architecture Eindhoven University of Technology: Eindhoven, The Netherlands, October 2009.

Annual Design Review Material ConneXion® Gallery: New York, July-August 2009.

.ekwc Final Presentations European Ceramic Workcentre (.ekwc): 's-Hertogenbosch, The Netherlands, June 2007.

8.5 x 5.5 x 7526 Taubman College Gallery: Ann Arbor MI, April 2007.

Neil Meredith

8

ReThink/ReDesign/ReCycle Exhibit Chicago Architecture Foundation CitySpace Gallery: Chicago IL, Aug-Nov 2005.

[FLAK]Detroit@00:00:55 Detroit Film Center: Detroit MI, Sep 2005 and Cranbrook Art Museum: Bloomfield Hills MI, October 2003.

Student Work Exhibit Taubman College Gallery: Ann Arbor MI, December 2002.

Contested Urbanism Studio Show Taubman College Gallery: Ann Arbor MI, December 2002.

Wallenberg Studio Show Taubman College Gallery: Ann Arbor MI, April 2000.

Publications (work cited, published)

Digital Workflows in Architecture: Design–Assembly–Industry Workflow Consultancy by Scott Marble and James Kotronis: March 2013. (p150-169).

Construction Canada *Twist and Shout: Metal Creates an Iconic Building at Edmonton International Airport* by Chuck Miers: April, 2013.

MARK Magazine *Translating Design* by Michael Webb: December 2012, (p176-185).

Architect's Newspaper Blog *Gehry Technologies Discusses the Burj Khalifa Ceiling* by Jennifer Krichels: April 6, 2012.

Provisional: Emerging Modes of Architectural Practice USA by Elite Kedan: 2010.

Metropolis Magazine POV Blog *Embracing the Digital Juggernaut*: June 23, 2010.

Transmaterial 3 A Catalog of Materials that Redefine our Physical Environment by Blaine Brownell: 2009, (p30-44).

I.D. Magazine *Annual Design Review*: July-August, 2009, (p85).

World Architecture News *Yas Hotel Opens In Time for Grand Prix* by Niki May Young: October 29, 2009.

Urban Environment Design *Topic: Gehry Technologies*: October 2009.

JBIM: Journal of Building Information Modeling *BIM as Risk Management Platform Enabling Integrated Practice and Delivery*: Fall, 2009, (p14-17).

FORM Magazine *Found in Translation: Gehry Technologies Tackles New Ways to Articulate Architecture* by John Gendall: July 2009, (p30-33).

The New York Times *Musician Hear Heaven in Tully Hall's New Sound* by Daniel J. Wakin: January 29, 2009.

Neil Meredith

9

Fire #9 *Vroege Vogels* by Noor Zwinkels: 2008, (p2).

Coupé *Website des Monats*: August 2006, (p12).

Dimensions 19 *From Computation to Production* by Michael Silver: September 2006, (p108-115).

306090 05 *Transmat* by Christian Unverzagt: September 2003, (p152-161).

Dimensions 17 *Steel-Belted Radial City* by Christian Unverzagt: September 2003, (p86-93).

Publications (as author, editor)

Advances in Architectural Geometry 2012 *Self-Detailing and Self-Documenting Systems for Wood Fabrication*: 2013, (p185-198).

Walls & Ceilings *The Burj Khalifa Ceiling*: January 2013, (p22-24).

Burj Khalifa: Office Ceiling Design to Fabrication Self-published book documenting the Burj Khalifa project: 2010.

Loose Fit: Experimental Ceramic Building Materials Self-published book documenting ceramics work done at the European Ceramic Work Centre: 2008.

Dimensions 17 Editorial and production staff of student publication at the Taubman college: 2003.

Invited Lectures / Conferences

Intersections Conference Presenter and panelist at CUNY sponsored conference: Brooklyn, May 31, 2013.

AEC Technology Symposium Presented a project at the AIA Center for Architecture: New York, May 20, 2013.

New Jersey Institute of Technology Fall Lecture Presented architecture department sponsored lecture at NJIT: Newark, NJ, October 15, 2012.

Advances in Architectural Geometry 2012 Presented paper at international conference: Paris, September 27-30, 2012.

Shifting Paradigms Panelist at the AIA Center for Architecture: New York, June 22, 2010.

ACADIA Conference Three-day conference workshop on parametric design: Chicago, October 19-21, 2009.

Closing the Gap Panelist at *Architectural Design* magazine issue launch and discussion at the Architectural League: New York, May 19, 2009.

Neil Meredith

10

References

Tom Buresh Professor and Chair of Architecture, University of California Berkeley, College of Environmental Design
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Karl Daubmann Associate Professor of Practice, University of Michigan, Taubman College of Architecture
2000 Bonisteel Boulevard Ann Arbor MI 48109 +1 734 764 1300 kmdaub@umich.edu

Michael Speaks Professor and Dean, Syracuse University, School of Architecture
201 Slocum Hall Syracuse NY 13244 +1 315 443 2256 maspeaks@syr.edu

Neil Meredith is currently a consultant at the New York office of Gehry Technologies. Recent projects include the Burj Khalifa (formerly Burj Dubai) lobby ceiling design and fabrication with SOM and the YAS Island Hotel Gridshell with Asymptote architects. Prior to GT Neil worked for the facade consulting office Front. He is a founding partner of the design and fabrication studio Sheet.

In the Spring 2010 term Neil was part of the C-BIP studio teaching team at Columbia University GSAPP. He is also a former lecturer in Architecture of the University of Michigan where he operated the schools Digital Fabrication Lab and taught in the areas of design, construction and fabrication. Research in to ceramic building materials undertaken at the European Ceramic Workcentre (.ekwc) has been published in *Loose Fit: Experimental Ceramic Building Materials*, as well as *Transmaterial 3* and is part of the materials database at Material ConneXion. The project won in the furniture category for the 2009 *ID Magazine Annual Design Review* and is currently being developed as a product.