

## Marc Swackhamer

6344 Warren Avenue South  
Edina, MN 55439  
952.944.6303  
swack004@umn.edu  
www.houminn.com

### education

Rice University	Graduate School of Architecture Master of Architecture - May 1997
University of Cincinnati	School of Architecture and Interior Design Bachelor of Architecture - June 1995

### teaching

University of Minnesota School of Architecture	Director of Masters of Architecture Program May 2012 - present
University of Minnesota School of Architecture	Director of Design September 2011 - May 2012
University of Minnesota School of Architecture	Associate Professor of Architecture August 2010 - present
University of Minnesota School of Architecture	Assistant Professor of Architecture August 2004 - August 2010
University of Cincinnati School of Architecture and Interior Design	Assistant Professor of Architecture Sept. 2002 – August 2004
University of Cincinnati School of Architecture and Interior Design	Visiting Assistant Professor of Architecture Sept. 2001 - Aug. 2002

### professional experience

HouMinn Practice L.L.C. Vancouver / Houston / Minneapolis	Principal / CFO (with partner Blair Satterfield) 1998 - present
Bricker + Cannady Architects Houston, Texas	Associate / Project Designer Jul 1998 - August 2001
Oliver + Ray Architects Houston, Texas	Project Designer / Intern Architect May 1996 - Jun 1998
Michael Bell Architecture Houston, Texas	Project Design Team Member Sep 1997 - Feb 1998
Feick Construction Sandusky, Ohio	Intern Architect Jun - Aug 1995
Ken Jones & Associates Cincinnati, Ohio	Student Intern Sep - Dec 1994
Perkins & Will Group, Inc. Chicago, Illinois	Student Intern Mar - Jun 1994
RTKL Associates Inc. Los Angeles, California	Student Intern Mar - Sep 1993
Richard Henry Behr Arch. P.C. Armonk, New York	Student Intern Mar - Jun, Sep - Dec 1992

- = peer reviewed / juried
- = new activity to report

## 1.0 research / creative work

### 1.1 projects (HouMinn Practice / slvDesign)

- 2012 - present • "Var Vac" project - design of new wall system in School of Architecture main office
- 2011 - 2012 Mississippi River Bridge Plaza renovation (with VJAA, Diane Willow, and VAA Engineers)
- 2010 - 2013 • "Hex Wall" project - development of variable vacuum-forming technology
- 2009 - 2012 "OSWall (Open Source Wall)" - third in series of prefabricated wall / house prototypes
- 2007 - 2008 "Cloak Wall / House" - second in series of prefabricated wall / house prototypes
- 2004 - 2007 "Disperse" acoustic installation, room 225 Rapson Hall, University of Minnesota
- 2006 - 2007 "Coffee Filter" - new coffee shop concept, Minneapolis - client, Industrial Art & Design
- 2005 - 2006 "Drape Wall / House" - first in series of prefabricated wall / house prototypes
- 2004 - 06 "EMS, Stahlka Agency" - new insurance building, Buffalo, NY - client, Mark and Brad Stahlka
- 2004 "Drift House" - homeless shelter prototype
- 2004 "Hex Shelf" - bookshelf prototype
- 2003, 2009 "Draft House" - sustainable, low-income house prototype
- 2003 "Toggle Frame" - bed frame prototype
- 2000 "Toy Shelf" - shelf prototype
- 1999 "Stowaway" - travel / carry-on luggage
- 1998 "Feedback House" - low-income house prototype

### 1.2 writing / publications / awards / lectures (project based)

#### Var Vac Project:

- April 2013 • Paper on topic of variable vacuum-forming research and specifically focused on Var Vac Project to be submitted on April 10, 2013 for 2013 ACADIA Conference to be held in Waterloo, Ontario, Canada

#### Hex Wall Project:

- March 2013 • Currently under construction in Buffalo, NY - completion March 2013 - project to also be featured in ACADIA Conference paper (see Var Vac Project above)

#### Mississippi River Bridge Plaza:

- October 2011 • Shortlisted for and subsequently won competition to redesign Mississippi River Bridge Plaza (public space North of the Weisman Art Museum on University of Minnesota Campus) - scheduled to be developed and built by 2014 - collaboration with VJAA Architects, Diane Willow (artist), and VAA Engineers

#### OSWall (Open Source Wall) Prototype:

- July 2011 Matter: Material Process in Architectural Production, by Borden, Gail Peter and Meredith, Michael. Invited to contribute essay "Built to Change: A Case for Disintegration and Obsolescence," co-authored with Blair Satterfield

Oct. 2010, Oct. 2011	"OSWall" lecture delivered at Parsons New School of Design by invitation
September 2010	"OSWall" lecture delivered at <i>Making, Selling, Buying, Using</i> Symposium at The University of Minnesota - invited lecturer
September 2010	"OSWall" installed at the Muscarelle Museum at the College of William and Mary as part of the traveling <i>Envelop{e}s</i> Exhibition (note: not all projects were chosen for travel and inclusion)
August 2010	"OSWall" presented at the Minnesota State Fair, by invitation, as a featured project funded through a University of Minnesota <i>Imagine Fund</i>
February 2010	"OSWall" invited for installation in <i>Envelop{e}s</i> Exhibition at the Pratt Gallery in Manhattan, NY, curated by Chris Height, Assoc. Professor, Rice University
October 2009	<ul style="list-style-type: none"> <li>"Oswall (Open Source Wall): Rethinking Residential Wall Construction through Collaboration, Crowd Sourcing, and Iteration" published in <i>Proceedings: ACADIA 09: reForm ()</i> for annual ACADIA Conference, Chicago, IL</li> </ul>
July 2009	"Images of Imagination" by Deanne Morrison - one of four projects featured in <i>UMN News</i> online publication - article also includes video interview
	<a href="#">Cloak Wall Prototype + Cloak House:</a>
2009	<a href="#">Transmaterial 3</a> , edited by Blaine Brownell, project invited for publication
2009	<a href="#">Architecture and Plastic</a> , edited by Billie Faircloth, project invited for publication
August 2008	<ul style="list-style-type: none"> <li>project received <i>Architect Magazine R+D Award</i> in annual <i>Research and Development Awards</i> issue (jury: Chris Genick, Daly Genik Architects, Blaine Brownell, Transstudio, and Andres Lepik, Curator of Contemporary Architecture at the MOMA, New York)</li> </ul>
September 2008	<ul style="list-style-type: none"> <li>project presented at annual <i>Architect Magazine R+D Summit</i>, Sci-Arc, Los Angeles (invited as winners of Architect Magazine R+D Award)</li> </ul>
September 2008	project presented to <i>Medical Devices Fellow Program</i> , College of Engineering multidisciplinary post-doctoral program - invited by director of program, Dr. Marie Johnson
August 2008	project presented at the Walker Art Center as part of <i>Solutions Twin Cities</i> annual lecture series and in conjunction with the Walker's <i>Design for the Other 90%</i> exhibition
June 2008	<ul style="list-style-type: none"> <li>"Cloak Wall" paper presented at <i>2008 ACSA Teacher's Seminar</i> at Cranbrook Academy of Art, chaired by Max Underwood, Stephen Kieran, and James Timberlake</li> </ul>
February 2008	<ul style="list-style-type: none"> <li>"Cloak Wall" - ARCC/EAAE 2008 Conference in Copenhagen (offered presentation, but declined due to conflict with another conference)</li> </ul>
November 2007	<i>Here By Design III</i> - invited by James Boyd Brent / Goldstein Museum of Design to speak on panel about project
October 2007	project appeared in <i>Here By Design III: Process and Prototype</i> , Goldstein Museum of Design
	<a href="#">Drape Wall Prototype + Drape House:</a>
August 2008	<ul style="list-style-type: none"> <li>project received <i>Architect Magazine R+D Award</i> in annual <i>Research and Development Awards</i> issue (NOTE: this is the same award mentioned under "Cloak Wall" - awarded to both)</li> </ul>
February 2008	<a href="#">Transmaterial 2: A Catalog of Materials that Redefine our Physical Environment</a> , edited by Blaine Brownell, project published
July / August 2007	<ul style="list-style-type: none"> <li>project received <i>Best in Category Award</i> in the <i>Environments</i> category of the <i>53rd Annual Design Review</i> in <i>The International Design (ID) Magazine</i> (jury: Marc Tsurumaki, LTL Architects, Joe Rose, Curator of Architecture and Design, Art Institute of Chicago, and Winka Dubbedam, Archi-Tectonics / Director of Post-Professional Program, University of Penn.)</li> </ul>
July 2007	project published in Chinese periodical <i>Community Design</i> , issue 23, pp. 60-67
June 2006	<i>Fabric Architecture</i> - "Drape Wall" appeared in magazine
June 2006	<ul style="list-style-type: none"> <li>"Drape House" accepted for display at the <i>Association of Community Design Annual Conference / ACSA / Fannie Mae Foundation Affordable Housing Forum</i> in Los Angeles - sivDESIGN</li> </ul>

- project invited for display at the Contemporary Art Center in Cincinnati, OH in conjunction with display of "Draft House" in traveling *HomeHOUSE Project*
- May 2006 project featured on University of Minnesota's home page / *UMN News* in article "The Future of Affordable Housing" by Pauline Oo
- February 2006 project featured on Fox 9 local news - interviewed by M. A. Rosko - aired on Monday, February 6 at 7:45 a.m. - approx. 2 minutes in length
- February 2006 project invited for display at the Weisman Art Museum in conjunction with display of "Draft House" in traveling *HomeHOUSE Project*
- [Draft House \(Affordable Sustainable House\):](#)
- 2009 / 2010 project exhibited in traveling "Welcome Hometta" show featuring single family house designs of 24 internationally acclaimed architects:
- New World Museum, Houston (July 16 - Aug 2, 2009)  
 San Francisco AIA Home Tour (September 12 - 13, 2009)  
 Pinkcomma Gallery, Boston (October 16 - Nov 8, 2009)  
 NY and Chicago (Spring 2010)
- June 2009 project featured on "Hometta" website ([www.hometta.com](http://www.hometta.com)) - Houston based collaborative of designers, architects, builders, writers, and editors offering affordable architect-designed house plans - 1 of 24 core design firms invited for launch
- January 2006 project exhibited at the Weisman Art Museum in Minneapolis as part of traveling *HomeHOUSE Project* - *slvDESIGN* (NOTE: this is the same exhibition mentioned under "Drape Wall")
- January 2006 project published in *Minnesota Monthly Magazine* as part of article on the "HomeHOUSE Project" Exhibition at the Weisman Art Museum
- March 2005 [The HOME House Project: The Future of Affordable Housing](#), MIT Press - book published based on exhibition at the Southeastern Center for Contemporary Art, "Draft House" appears
- 2003/04 project selected a top 75 project (out of 450) for touring national gallery exhibit, sponsored by the Southwestern Center for Contemporary Art (SECCA) / Habitat for Humanity
- [Pore House \(Affordable Sustainable House\):](#)
- November 2005 project exhibited at the *AIA Minnesota Annual Meeting*
- October 2005 • *C2C Home Competition* entry, accepted for display at *C2C Home Exhibit* at the Art Museum of West Virginia, Roanoke
- [Feedback House \(Affordable House\):](#)
- April 2004 [16 Houses: Owning a House in the City](#), Monacelli Press - book published based on *16 Houses* Exhibition
- November 2002 • *306090: A Journal of Emergent Architecture and Design* - project published
- October 2002 project exhibited at Pompeii AD Gallery, New York City as part of *306090* publication
- November 1998 *16 Houses: Owning a House in the City* Exhibition at Diverse Works Gallery, Houston, TX - invited exhibition
- [Disperse \(Acoustic Remediation Project\):](#)
- March/April 2009 *Fabric Architecture Magazine* - "Sound Dispersal" written by Mason Riddle on project
- September 2006 • *306090 10: Decoration* - "Disperse: Acoustic / Display / Pin-up Installation" – project published, Princeton Architectural Press
- [Drift House \(Transitional Homeless Shelter Prototype\):](#)
- January 2006 project published in 2nd annual University of Minnesota Student Journal *T/Here: Refuse*
- October 2005 project traveled to the New York Institute of Technology, New York City with the *Material Pro-*

duction: *Technology, Performance, and Ornament* exhibition

- August 2005 project traveled to The Urban Center Galleries, New York City with the *Material Production: Technology, Performance, and Ornament* exhibition
- May 2005 project traveled to the Edge Gallery in Pittsburgh with the *Ornament* exhibit that originated in Chicago
- March 2005
- project received faculty design honors, was published in *Proceedings: ACSA National Conference* and was presented at *2005 ACSA National Conference* in Chicago, IL
- March 2005
- project invited for display in *Material Production: Technology, Performance, and Ornament* exhibition at Syracuse University
- March 2005
- project invited for display in *Ornament* exhibition at the M5 Gallery in Chicago, IL
- November 2004
- project published in *Proceedings: ACADIA/AIA Fabrication Conference*, Univ. of Waterloo
- November 2004
- project selected for exhibition at the *ACADIA/AIA Fabrication Conference* at University of Waterloo, Canada
- October 2004
- project published in *Proceedings: ACSA Northeast Regional Conference*, Syracuse University (mistakenly omitted from document itself) and presented at conference
- Fall 2004 project invited for exhibition in *Liner Notes* at the University of Cincinnati's College of Design, Architecture, Art, and Planning
- November 2003 project displayed with 180 competition entries at the Architectural League of New York's "First Step Housing" Exhibition in the Ballroom at the Prince George, New York City
- [Contemporary Art Center \(Preparations for opening of Zaha Hadid designed museum\):](#)
- May 2003 "Roundhouse" - design and construction of installation piece by Marjetica Potrc for opening of museum - collaborated with Terry Boling and SAID students
- May 2003 Contemporary Art Center opening exhibition - invited by Senior Curator Thom Collins to design and fabricate temporary walls, main exhibition sign, and sound baffles for *Somewhere Better Than This Place* installation - with Terry Boling and SAID students
- [Ecovention \(Installation at the Contemporary Art Center, Cincinnati, OH\):](#)
- October 2003
- *306090 05: Teaching and Building* - exhibit published, co-designed with Terry Boling, Princeton Architectural Press
- August 2003
- Project received *Design Distinction Award for Environments* in *The International Design (ID) Magazine*, co-designed with Terry Boling
- November 2002 Project exhibited in *FacultyWORKS* at DAAP's Downtown Cincinnati gallery in conjunction with NAAB and FIDER accreditation visits
- June 2002 Opening of exhibition at the CAC - co-designed with Terry Boling
- [University of Houston Downtown, Ninth Floor Renovations \(Project Designer, BCA\):](#)
- November 2003
- *Journal of Architectural Education* - "Read Lining: University of Houston Downtown Ninth Floor Renovation" published in issue on the topic of "surface" - BCA
- November 2002 Project exhibited in *FacultyWORKS* at DAAP's Downtown Cincinnati gallery in conjunction with NAAB and FIDER accreditation visits
- April 2000
- *On the Boards Award Award*, Houston Chapter AIA - BCA
- [Jones Plaza Renovations \(Member of Design Team, BCA\):](#)
- April 1999
- "Award" - *Annual Design Awards, Architecture Magazine* - Jones Plaza Renovation - BCA
- [Acura Flagship Showroom Concept \(Member of Design Team, Oliver + Ray Architects\):](#)
- May 1998
- *On the Boards, Architecture Magazine* - "Acura Flagship Facility" - Oliver + Ray Architects

Lightborne Communications (Student Intern on Design Team, Ken Jones & Associates):

February 1998 • "Industrial Film," *Architecture Magazine* - Ken Jones & Associates

HouMinn Practice (publications / lectures / awards related to body of work):

- September 2012 • "HouMinn Practice" lecture delivered by invitation at IDS Conference / School of Architecture and Landscape Architecture at the University of British Columbia, Vancouver, Canada
- October 2011 invited to lecture at Parsons The New School of Design, New York City by Professor Susan Yelavich for introductory design course
- February 2011 invited to lecture at The University of Cincinnati School of Architecture and Interior Design
- March 2010 invited to lecture at Judson College, Elgin, IL
- February 2010 invited to lecture at The Walker Art Museum as part of their "Drawn Here" lecture series
- March 2009 "Red Green" lecture presented at the University of Wisconsin, Milwaukee's School of Architecture and Urban Planning - invited as a part of UWM's annual lecture series
- January 2009 named the University of Virginia's *Michael Owen Jones Lecturers* for 2009. Delivered lecture to construction course, wrote workshop exercise, and lectured to school / community on work (lecture entitled "HouMinn Practice") - past invited lecturers have included Iwamoto Scott Architects, Marble Fairbanks Architects, LOT / EK, Lewis Tsurumaki Lewis Architects, Office d'A, Conway Shulte Architects, and Sheila Kennedy
- January 2009 lectured at first ever "National Academy of Design" Conference - moderated by UMN College of Design Dean, Tom Fisher
- December 2008 • "AIA Minnesota Special Award" for education and research excellence – awarded at *AIA Design Awards* celebration, McNamara Alumni Center, University of Minnesota
- October 2008 "Like Robot, Like HouMinn" by Ann Chou - article written about Blair Satterfield and collaboration in HouMinn Practice - <http://hometta.squarespace.com/>
- May 2008 • "The College of Design Outstanding Research Award" - awarded for design research conducted since arriving at Minnesota, one award given each year college-wide
- February 2008 • one of 70 designers nominated for *Cooper Hewitt National Design Award* - award given for lifetime body of work - one of youngest firms to ever be nominated
- January 2008 lectured at Rice University, School of Architecture, Houston as part of annual lecture series
- January 2008 "Computer Craft: Handiwork in the Age of Digital Fabrication" by David Dewane, published in *Cite: The Architecture + Design Review of Houston*, issue no. 73
- 2008 *HouMinn.com* - redesigned and launched website under new firm name
- March 2007 presented lecture on work to the *Design Colloquium* group at the University of St. Thomas by AnnMarie P. Thomas, Assistant Professor of Mechanical Engineering
- 2006 *slvDESIGN.com* - website of design work launched – assistance from Don Vu and Nick Potts
- December 2005 *Dirty Laundry* lecture series, sponsored by Design Institute, University of Minnesota - invited by Janet Abrams, Director

1.2 writing / publications / lectures

(non - project based)

- 2011 - present • Hypernatural - book co-authored with Blaine Brownell on topic of biomimetics in architecture to be published by Princeton Architectural Press - received contract February 2013, manuscript due February 2014
- October 2011 "From Post- to Plus-Digital" - Introduction to *Form, Geometry, and Complexity* Chapter of *ACADIA 2011: Integration Through Computation* proceedings

2009 / 2010	"Don't Measure, Just Cut (Plastic Will Fix Your Mistakes)" essay to be published in <u>Architecture and Plastic</u> , edited by Billie Faircloth
November 2008, 09, 10	"Prototyping and Fabrication" presented to <i>Medical Devices Fellow Program</i> , College of Engineering multidisciplinary post-doctoral program - invited by Director, Dr. Marie Johnson
October 2008	"ACADIA 08: Silicon + Skin, Biological Processes and Computation" co-editor of proceedings, co-author of introduction. Co-editors: Andrew Kudless, Assistant Professor, CCA, Neri Oxman, PhD Candidate in computation and design, MIT.
October 2007	"Three Loops" essay published in "DigiFab" digital fabrication guidebook and map
October 2007	<i>ACADIA 2007 International Conference</i> , Halifax, Nova Scotia - provided closing / summarizing remarks at conference
November 2006	<i>Journal of Architectural Education</i> - authored review of "Some Assembly Required" Exhibition at Walker Art Center
1.3 grants / outside funding	
November 2012	<ul style="list-style-type: none"> <li>• University of Minnesota "Imagine Fund" proposal - submitted for "Var Vac" Project to fund further development of variable vacuum forming system - grant value: \$5,000 (awarded)</li> </ul>
November 2011	University of Minnesota "Imagine Fund" proposal - submitted for "Hex Wall" to fund further development of variable vacuum forming system - grant value: \$5,000 (awarded)
2011 / 2012 academic year	IAS (Institute for Advanced Study) Grant awarded for project "Studio Co-Laboratory" - grant value: \$8,000 - Co-Primary Investigator: Diane Willow (awarded)
February 2009	University of Houston, Gerald D. Hines College of Architecture "Sustainability Research Initiative Grant" proposal - submitted for "OSWall" to fund production of wall prototype, Blair Satterfield (Co-principal Investigator) - grant value: \$129,000
February 2009	University of Minnesota "Imagine Fund" proposal - submitted for "OSWall" to fund production of "applications" for wall prototype - grant value: \$3,000 (awarded)
July 2008	University of Minnesota, Digital Design Consortium - submitted to fund prototype of projection screen project in Rapson Hall Courtyard - grant value: \$12,000 (awarded)
September 2006	proposal accepted by University of Minnesota's Digital Design Consortium to fund collaborative exploration of "Drape Wall" project (amount approximately \$12,000)
September 2006	proposal accepted by Janet Abrams, Director of University of Minnesota's Design Institute / Chair of Product Design Degree Planning Committee for design and production of a "DigiFab Map" - grant value: \$15,150 (awarded)
January 2006	\$1,500 by Weisman Art Museum for fabrication of "Drape Wall" prototype (awarded)
May 2005	"Drape Wall" - application for <i>Dayton Hudson Faculty Fellowship Grant</i> from the University of Minnesota's Metropolitan Design Center for fabrication of "Drape Wall" at Weisman Art Museum - grant value: \$5,000 (awarded)
1.4 fellowships / residencies	
December 2012	<ul style="list-style-type: none"> <li>• named inaugural Fellow in the Target Studio for Creative Collaboration at the Weisman Art Museum for work on Biomimicry Exhibition (Sept 2012 - March 2013)</li> </ul>

## 2.0 teaching

### 2.1 courses (University of Minnesota only)

#### Studio (Graduate and Undergraduate):

Fall 2012	• Arch 8254 – Elective GD3 design studio: “Exploring Bio-Inspired Systems in Architecture:” co-taught with Plant Biology Professor Neil Olszewski
Fall 2011	Arch 8251 – GD1 core design studio (coordinated and taught)
Fall 2009	Arch 8253 – GD2 core design studio
Fall 2008	Arch 8253 – GD2 core design studio
Spring 2008	Arch 3282 – Undergraduate Design Studio: “Program”
Fall 2007	Arch 8253 – GD2 core design studio
Fall 2006	Arch 8251 – GD1 core design studio (coordinated and taught)
Spring 2006	Arch 4282 – Undergraduate Design Studio: “Program”
Fall 2005	Arch 8255 – Elective GD3 design studio: “Biomimicry”
Fall 2004	Arch 8251 – GD1 core design studio

#### Seminars (Graduate and Undergraduate):

Spring 2007	Arch 5350 – Elective graduate seminar: “Bio-inspired Systems”
Fall 2005	Arch 4313/5313 – Elective undergrad / grad representation seminar: “Pattern Response”

#### Drawing / Digital Skills and Summer Teaching:

Summer 2012	• 4 week summer studio for 3+ graduate students on topic of Precedent Analysis (co-taught and developed with Adjunct Assistant Professor Dan Clark)
Summer 2011	4 week summer studio for 3+ graduate students on topic of Precedent Analysis (co-taught and developed with Adjunct Assistant Professor Dan Clark)
Summer 2010	Summer digital workshop for incoming 3+ graduate students
Summer 2008	Summer digital workshop for incoming 3+ graduate students
Summer 2007	Summer digital workshop for incoming 3+ graduate students
Spring 2006	Arch 5371 – Computer Methods I: graduate digital skills workshop
Spring 2005	Arch 5372 – Computer Methods II: graduate digital skills workshop
Fall 2004	Arch 5371 – Computer Methods I: graduate digital skills workshop
Fall 2004	Arch 5373 – Computer Methods III: graduate digital skills workshop

#### Lecture Courses:

Spring 2013	• Arch 1281 – Design Fundamentals I: co-taught with Lisa Hsieh
Spring 2012	Arch 1281 – Design Fundamentals I
Spring 2011	Arch 1281 – Design Fundamentals I
Spring 2009	Arch 1281 – Design Fundamentals I: co-taught with John Ross

#### Thesis Chair / Advisor:

Spring 2013	• co-coordinating Masters Final Project with Adjunct Professor Gayla Lindt
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- Spring 2011 advisor: Jack Northrup, Laurie McGinley, and Lane Rapson
- Spring 2010 advisor: Amber Sausen, Alison Markowitz & Mark LaVenture (Co-Advised w/ Blaine Brownell)
- Spring 2009 advisor: Jeff Montague
- Spring 2008 advisor: Aaron Westre, Adam Riddle, and David McWilliams
- Spring 2007 chair: Scott Aspensen, advisor: Tamer Azzazi, Mike McEldry, David Vilka, Don Vu
- Spring 2006 chair: Courtney Kruntorad, Antonio Rodriguez, advisor: Molly Felde, Srdjan Jovicic, Brad Manning
- Spring 2005 advisor: William Dohman, Colin Oglesby

[Workshops:](#)

- March 2013 • "Networks, Territories, and Flows" workshop with Professor Karen Lewis, Ohio State University
- March 2012 "Bodies in Formation" catalyst workshop with MatSys (Andrew Kudless, CCA)
- March 2011 "Advanced Digital Model and Digital Fabrication" catalyst workshop w/ Studio Mode (Ronnie Parsons and Gil Aikos, NYC)
- March 2010 "Parametric Design" catalyst workshop w/ Studio Mode (Ronnie Parsons and Gil Aikos, NYC)
- March 2009 "Diagramming" catalyst workshop w/ Visiting Professor Blair Satterfield, Rice University
- March 2008 "Biomimetics" catalyst workshop w/ Visiting Professor Billie Faircloth, Univ. of Texas, Austin
- Fall 2007 ARCH 3250, ½ semester BDA Workshop - "Biomimetics + Architecture"
- April 2007 Oaxaca, Mexico – study abroad program: visiting critic
- May 2006 Continuing Professional Studies Course: "Pencil to Production: A Survey of Digital Design and Fabrication Tools"
- April 2006 Venice, Italy – study abroad program: 1 week studio instruction
- Summer 2005 Design Camp, summer high school camp, Design Institute (co-taught with Garrett Finney)
- April 2005 Venice, Italy – study abroad program: 1 week studio instruction

[Outside of College of Design:](#)

- Spring 2006 ME 4054W – Mechanical Engineering Capstone Senior Design course – "Drape Wall" (co-taught with ME Research Fellow / PhD Candidate, David Wulfman)

2.2 writing / publications / awards / lectures / exhibitions  
(coursework / teaching based)

[Graduate / Undergraduate Studio Courses:](#)

- Summer 2007 • "Food Processor" published in *Proceedings: 23rd International Conference on the Beginning Design Student, Savannah College of Art and Design*, co-authored with John Comazzi
- October 2004 • "Hand Mending: Hebrew Union College Building 7 Renovation" published in *Proceedings: ACSA Northwest Regional Conference "w-e-a-v-i-n-g: Constructing and Construing the Material World as Tapestry"*, and presented at conference, Ball State University, IN
- August 2003 "Batavia Elementary Outdoor Classroom" - graduate design studio project exhibited at *Ready-fest* celebration, attended by approximately 500 members of community, Batavia, OH
- June 2003 "Hebrew Union College, Building 7 Renovation" - graduate design studio project exhibited at Hebrew Union College for presentation to potential project donors, Cincinnati, OH
- March 2003 • "Ordinary Unfamiliarity: Foundation Pedagogy through the Critique of the Everyday" - paper voted one of five best at Portland State conference and re-presented at *ACSA Annual Meeting*,

Louisville, co-authored with Kevin Klinger

June 2002 • "Wilson Auditorium" - graduate design studio project by Chris Corbett won "Honorable Mention" in DAAP's student scholarship competition

June 2002 "Representation Seminar" - graduate design seminar drawings exhibited in University of Cincinnati Langsam Library

March 2002 • "Ordinary Unfamiliarity: Foundation Pedagogy through the Critique of the Everyday" presented at Portland State University's *National Conference on the Beginning Design Student*, co-authored with Kevin Klinger

#### Biomimetics Courses:

- January 2013 • "Featherlight" project by graduate students Rob Holley and Hank Butitta named as finalist in *Biomimicry Student Design Challenge*, sponsored by the Biomimicry 3.8 Institute (top 10 out of over 100 projects)
- Sep 2012 - March 2013 "Exploring Bio-Inspired Systems in Architecture" - Graduate Student work on display at the Weisman Art Museum's Target Studio for Creative Collaboration in exhibition called *Contextual Flux* featuring artist Jason Hackenworth, curated by Matthew Groshek, co-taught with Plant Biology Professor, Neil Olszewski
- November 2010 "Biomimicry" lecture presented as part of the Bell Museum's Cafe Scientifique lecture series - by invitation
- November 2008 "Biomimicry" lecture presented as part of the Weisman Art Museum's Rutherford Aris Seminar Series - focus of this year's series was the topic of design
- November 2007 "Biology and Architecture" presented at *2007 ACSA Administrator's Conference* (invited to present by UMN College of Design Dean, Tom Fisher)
- October 2007 • "Sound Team" and "Glare Team" from graduate seminar "Bio-Inspired Systems" won *AIA COTE (American Institute of Architectus, Committee On The Environment) National Award*
- January 2007 "Innovation by Nature: the emerging Field of Biomimicry" by William Webber, article in January - February 07 issue of *Architecture MN, The Magazine of Minnesota Architecture*, vol. 33, no. 1, featuring student work from "biomimicry" GD3 studio, Fall 2005
- September 2006 "Biomimicry and Architecture: An Analysis of the Role of Biology in the Architectural Design Process" presented at *RSC (Rethinking Sustainability Conference)*, Sarasota, FL, co-authors, Corri Kluba and Tim Jordan (invited to present paper by John Carmody, Director of Center for Sustainable Building Research, University of Minnesota)
- June 2006 • "Biomimicry and Architecture: An Analysis of the Role of Biology in the Architectural Design Process" published in *Proceedings: ARCC/EAAE: International Conference on Architectural Research*, and presented at conference, Philadelphia, PA, co-authors, Corri Kluba, and Tim Jordan
- May 2006 "Biomimicry and Architecture: An Analysis of the Role of Biology in the Architectural Design Process" presented at *Biology Inspired Design Conference*, Georgia Tech University, co-authors, Corri Kluba and Tim Jordan
- April 2006 • "Biomimicry: Nature as Model, Measure, and Mentor" published in *Proceedings: "Intersections: Design Education and Other Fields of Inquiry," 22nd National Conference on the Beginning Design Student*, and presented at conference, Iowa State University, co-author, Tim Jordan
- January 2006 • Ben Pauly won "Best in Show" award in University of Minnesota / Department of Architecture Graduate Design Studio exhibition for project in Biomimicry GD3 studio, Fall 2005

#### Advisor for Independent Student Work:

- January 2013 - present • "School of Architecture Office Redesign" - faculty co-advisor with Professor John Comazzi for John Greene, Will Adams, and Alex Robinson, design and construction of new built-in furniture / storage for space + space planning longer-term changes to office - completion summer 2013

- January 2013 - present
  - "Featherlight" - faculty advisor for Rob Holley and Hank Butitta to further develop bio-inspired design project for which they were shortlisted in Biomimicry 3.8 Institute's *Biomimicry Student Design Challenge* - due May 2013
- Spring 2012 - present
  - "Junk Power" - faculty co-advisor with Department of Art Professor Diane Willow for Philip Bussey, Dan Rasnick, and Jordan Barlow to develop responsive fabric installation based on work from IAS Grant "Studio Co-Laboratory" - funding \$8000, completion summer 2013
- Fall 2011 - present
  - "Traveler's Collaborative Space in Northrup Auditorium" - faculty advisor for Abigail Merlis and Vanessa Abin-Fuentes, design and construction of new furnishings + graphic identity for space - completion summer 2013
- April - May 2003
  - "Inscribe" – winning student competition entry displayed in *Athens-scape: The 2004 Olympics and the Metabolism of the City* at the RIBA Gallery in London – faculty advisor for Mandi Hoskins and Melissa Williams
- January 2003
  - "Inscribe" – winning entry in *Design of Ephemeral Structures Competition* in Athens, Greece for 2004 Olympic games - student team: Mandi Hoskins and Melissa Williams (jury: Zaha Hadid and Hani Rashid of Asymptote)

### 3.0 service

#### 3.1 conference / symposium chair

[ACADIA \(Assoc. for Computer Aided Design In Architecture\) International Conference 2008:](#)

- October 2008
  - ACADIA 2008: Silicone + Skin: Biological Processes and Computation* - authored proposal to host the conference, served as site-chair, Minneapolis, MN

#### 3.2 professional practice publications / publication awards

["DigiFab" Map and Booklet:](#)

- November 2008
  - project won award in *Print Magazine's Regional Design Annual*
- Summer 2008
  - project won (2008)365: *AIGA Year in Design 29 - Award for Information Design*  
<http://designarchives.aiga.org/>
- Spring 2008
  - "Digi-Fab Map" won award at *The AIGA Minnesota Design Show - 2008 Brochures Category*
- October 2007
  - "Digi-Fab" Knowledge Map and Guide to Digital Fabrication published, collabors Janet Abrams, Director, Design Institute, Scott Christensen, Design Institute, and Ariel Apte-Carter, MGMT. Design (primary designer of project) - authored essay, "Three Loops," generated illustrations, edited publication, and contributed design research / student work

[Architectural Graphics Standards:](#)

- 2005 - 07
  - Architectural Graphics Standard* - authored 3 case studies for new chapter on Emerging Technology, edited by Department Head, Renee Cheng, John Wiley & Sons, 2007. (invited to participate by Dept. Head, Renee Cheng)

#### 3.3 topic chair / peer reviewer

- June 2012
  - *Synthetic Digital Ecologies, ACADIA (Assoc. for Computer Aided Design In Architecture) National Conference*, 2012, San Francisco, CA, invited paper reviewer
- June 2011
  - Integration Through Computation, ACADIA (Assoc. for Computer Aided Design In Architecture) National Conference*, 2011, Calgary / Banff, Canada, invited paper reviewer
- June 2010
  - Life in:formation, ACADIA (Assoc. for Computer Aided Design In Architecture) National Conference*, 2010, The Cooper Union, New York City, NY, invited paper reviewer
- June 2009
  - reForm () ACADIA (Assoc. for Computer Aided Design In Architecture) National Conference*,

	2009, Chicago, IL, invited paper reviewer
May 2009	Paper reviewer for <i>International Journal of Architectural Computing</i> , invited by Branko Kolarevic, guest editor
October 2008	<i>ACADIA 2008: Silicone + Skin: Biological Processes and Computation</i> - paper reviewer
October 2007	<i>ACADIA 2007: Expanding Bodies</i> , Halifax, Nova Scotia, Canada - paper reviewer
April 2006	<i>94th ACSA Annual Meeting</i> , Salt Lake City, Utah - topic chair for Faculty Design Session, authored call for proposals and summaries of three paper sessions
April 2006	<i>22nd National Conference on the Beginning Design Student</i> , Iowa State University - paper reviewer
November 2005	<i>94th ACSA Annual Meeting</i> , Salt Lake City, Utah - member of jury for <i>Faculty Design Awards</i> , held at <i>ACSA Annual Administrator's Conference</i> in Baltimore, MD
	3.3 session moderator / panelist / respondent / juror
October 2011	<i>Integration Through Computation, ACADIA (Assoc. for Computer Aided Design In Architecture) National Conference</i> , 2011, Calgary / Banff, Canada, invited session moderator
October 2007	<i>ACADIA 2007 National Conference</i> , Halifax, Nova Scotia, Canada, invited session moderator
April 2006	<i>94th ACSA Annual Meeting</i> , Salt Lake City, Utah, invited moderator for <i>Faculty Design Session</i>
February 2006	<i>22nd National Conference on the Beginning Design Student</i> , Iowa State University, invited session moderator
February 2006	<i>HomeHOUSE Project</i> at Weisman Art Museum, invited to conduct public Gallery Talk w/ Ann Forsythe, Director of Metropolitan Design Center, University of Minnesota
January 2006	<i>HomeHOUSE Project</i> at Weisman Art Museum, invited respondent for David Brown public lecture
Fall 2002	<i>Home Movie</i> , Esquire Theater, Cincinnati, OH, invited panelist for public screening of documentary by Chris Smith
	3.4 design review guest juror (external)
April 2013	• final reviews at University of Nebraska
December 2012	• final reviews at University of Wisconsin, Milwaukee
November 2012	• final reviews at University of British Columbia, Vancouver, BC, Canada
November 2012	• interim reviews at Rice University, School of Architecture
September 2012	• interim reviews at University of British Columbia, Vancouver, BC, Canada
March 2012	• <i>AIA Minnesota Home of the Month</i> exhibition / feature article - invited juror
December 2011	final reviews at University of Wisconsin, Milwaukee
November 2010	final studio reviews at Arizona State University
May 2010	final studio reviews at University of Pennsylvania, invited by James Kieran and Stephen Timberlake
November 2009	interim reviews at Judson College, Elgin, IL (as part of visit to present lecture on design work)
March 2009	interim reviews at University of Wisconsin, Milwaukee (as part of visit to present lecture on design work)
January 2009	interim reviews at University of Virginia (as part of visit to present lecture on design work)

December 2007 final reviews at Rice University, School of Architecture

December 2007 final reviews at Kent State University, School of Architecture

August 2007 invited juror for 2007 AIA Minnesota 25 Year Award

December 2006 invited juror for Mechanical Engineering Senior Exhibition, University of Minnesota

August 2006 invited juror for 2006 AIA Minnesota 25 Year Award

December 2005 invited juror for Mechanical Engineering Senior Exhibition, University of Minnesota

July 2005 invited juror for 2005 AIA Minneapolis Design Awards (referred by Department Head, Renee Cheng)

December 2004 final reviews at Iowa State University, Department of Architecture

May 2004 final reviews at University of Michigan, Taubman College of Architecture + Urban Planning

May 2004 University of Illinois, Chicago – jury annual end-of-year student design competition

1999 - 2001 juror for numerous undergraduate / graduate midterm and final reviews – Rice University

December 2000 final review juror for Jacob Van Ries (MVDRV) graduate studio – Rice University

December 1999 final review juror for Droog Design graduate studio – Rice University

### 3.5 committee work / membership - national organizations

2012 - present • Member of Awards Committee, ACADIA

2011 - 2012 • Chair of Awards Committee, ACADIA - appointed position

2009 - 2011 Treasurer for ACADIA - elected position

Fall 2008 - present • ACADIA - elected member of Board of Directors (2nd 2 year term)

Spring 2007 - present • member of ACADIA (Association of Computer Aided Design in Architecture)

Spring 2005 - Fall 2007 ACSA Faculty Councilor representing UMN School of Architecture

### 3.6 committee work / administration - university

#### School of Architecture Directorships:

Spring 2012 - present • Director of Masters of Architecture Program for the School of Architecture (3 yr appointment)

Fall 2011 - Spring 2012 • Director of Design Position for the School of Architecture (2 yr appointment)

#### School of Architecture website:

Summer 2009 - Fall 2010 designed, developed, and launched new University of Minnesota, School of Architecture website

#### School of Architecture Curriculum - committee work and awards:

summer 2012 • Ad-hoc Director's Committee to develop / clarify M.Arch / MS / BS / BDA curricula

Fall 2007 - present • University of Minnesota - member of Graduate Curriculum Committee

Fall 2004 - present • University of Minnesota – member of Design Curriculum Committee, School of Architecture

Fall 2011 - Spring 2012 University of Minnesota - member of Undergraduate Curriculum Committee

February 2008 • "An Incomplete Curriculum for Transformation" - new graduate curriculum proposal won an *AIA Education Honor Award* (co-authors, John Comazzi, Ozayr Saloojee, Ritu Bhatt, and Renee Cheng)

Summer 2007	member of junior faculty Curriculum Restructuring Team, participated in 3 day retreat to charrette on curricular goals and possible new structures, generated text and diagrams
Fall 2006	University of Minnesota - invited member of Graduate Core Curriculum ad hoc committee - work of this committee influenced formation of new curriculum in 2007
	<a href="#">Other committee work:</a>
Fall 2012 - present	<ul style="list-style-type: none"> <li>Member, Director's Committee</li> </ul>
Fall 2010 / Spring 2011	Chair, Faculty Search Committee - tenure / tenure track position + Cass Gilbert Fellowship position, School of Architecture
Fall 2010 / Spring 2011	Chair, Digi-Fab Laboratory Planning Committee
Fall 2010 / Spring 2011	Chair, Graduate Fellowship Committee
Fall 2010 / Spring 2011	member of Rapson Hall Virtual Reality Lab Planning Committee
2010 - 2012	member of Faculty Consultative Committee (FCC), College of Design
Fall 2010 / Spring 2011	member of College of Design Digital Technology Committee
Fall 2010	member of four-person Ad Hoc Spring Curriculum Task Force Committee
Fall 2008 - Spring 2010	member of Product Design Faculty Search Committee (two searches - first was a failed search, second yielded new faculty member to start new Product Design program)
Spring 2008 - 2009	member of CDes Design Minor explorative committee
Spring 2008	member of CDes CELP Exhibitions Committee
Fall 2005 - 2009	member of Product Design Degree Program (PDDP) committee, CDes
Spring 2005 - Fall 2007	chair of CALA/CDes Digital Technology Committee
Spring 2006	member of Faculty Search Committee
Spring 2005 - Spring 2006	Weisman Art Museum - member of "HomeHOUSE Project" steering committee
Fall - Spring 2005	member of Cass Gilbert Committee, School of Architecture
Spring 2005	member of Lecture Series Committee, CALA
2004/05	University of Cincinnati - proposal accepted for 2004/05 Center for the Study of Practice/SAID annual lecture series, conference, and "Practices" publication - collaboration with Terry Boling
Fall Quarter 2003	University of Cincinnati - "design" curriculum committee member
Spring Quarter 2003	University of Cincinnati - "skills" curriculum committee chair
Spring Quarter 2003	University of Cincinnati - "design" curriculum committee member
November 2003	<ul style="list-style-type: none"> <li>2002/03 SAID Lecture Series Poster - design award in <i>Print Magazine's</i> annual <i>Regional Design Awards</i> issue - co-designed with Daniel Friedman</li> </ul>
November 2002	University of Cincinnati - installed student exhibition for NAAB accreditation visit (accreditation team awarded SAID a perfect score for the visit)
November 2002	University of Cincinnati - designed and distributed "FacultyWORKS" postcard for NAAB accreditation visit
2002/03	University of Cincinnati - "lecture series" committee chair
September 2002	University of Cincinnati - designed and distributed lecture series poster
2001/02	University of Cincinnati - member of "lecture series" committee
2001/02	University of Cincinnati - designed and distributed lecture series postcards