

## Kristin Nelson, AIA, NCARB

### Education

- 2004 M.Arch  
College of Design  
Iowa State University, Ames, Iowa
- 2001 Bachelor of Fine Art with Honors  
College of Liberal Arts and Sciences  
University of Iowa, Iowa City, Iowa

### Teaching Experience

- 2018 – present University of Detroit Mercy  
Undergraduate Level
- 2018 Environmental Technology II
  - 2018 Integrated Studio
- 2015 – 2018 University of Florida  
Graduate Level
- 2015 – Present Environmental Technology I, CORE students
  - 2015 – Present Environmental Technology II, CORE students
  - 2017 Research Center, Second Year, Vicenza, Italy
- Undergraduate Level
- 2015 – Present Environmental Technology I, Third Year
  - 2015 – Present Environmental Technology II, Fourth Year
  - 2017 Analytical Sketching, Fourth Year, Vicenza, Italy
  - 2016 – 2017 Design 3 and Design 4, Second Year
  - 2015 Design in the Florida Landscape, Third Year
- 2012 – 2015 Iowa State University  
Graduate Level
- 2014 Multi-disciplinary Option Studio, inFORM,  
Parametric Modeling, Prototyping and Digital  
Fabrication, Final Year Graduate
  - 2013 - 2014 Net-Zero Studio, Second Year  
*AIA COTE Student Top 10 Competition 2015*  
*Kyle Vancise and Brandon Fettes, Top 10*  
*Sean Whitmeyer and Heidi Reburn, Top 10*  
*Ben Kruse and Stephen Danielson, Top 10*
  - 2013 Building Systems & Assemblies, First Year
  - 2013 Building Systems, Second Year

Undergraduate Level

2013 - 2014	Building Assemblies, Second - Fourth Year <i>NCMA Masonry Unit Design Competition</i> <i>Mingchen Cui, Dianyuan Yang, Yutao Hu, Zejun Li,</i> <i>Second Prize</i>
2014	Multi-disciplinary Digital Foundations
2014	Biomimetic Desert Research Station, Fifth Year Digital Analysis and Integrated Building Systems Design for the Sonoran Desert
2014	Multi-disciplinary Option Studio, inFORM, Parametric Modeling, Prototyping and Digital Fabrication, Final Year Undergraduate/Graduate
2013	Mixed Use, Multifamily Housing, Third Year <i>BWBR Student Competition</i> <i>Morgan Clark, First Prize</i>
2013	Design Core, First Year
2012	Comprehensive Studio, Fifth Year <i>CSI Student Competition</i> <i>Elissa Bruggeman &amp; Matthew Heires,</i> <i>Second Prize</i>
2012	Building Systems, Second – Fourth Year

Advisor

2015 – 2016	Independent Study, Laura Arboleda, "Interactive Biomimetic Building Skin"
2014 – 2015	Independent Study, Jordan Garvey, "Prototyping a Photovoltaic Living Wall System"
2014 – 2015	Thesis Committee, Cynthia Kelly, "Definitions of Home"
2012 – 2013	Independent Study, Thomas Choi, Daniel Eddie, Jake Groth, Daniel Siroky, "Biomimetic Design Build"

Professional Experience

2008 – Present	THINKtank Design Studio, Omaha, NE; Ames, IA; Gainesville, FL; Detroit, MI Competition Practice with James Leach Co-equal partner in design, detailing, fabrication and presentation on numerous competitions and community projects
2012	Substance Architecture, Des Moines, IA Staff Architect
2008 - 2012	Leo A Daly, Omaha, Nebraska Design Architect, Project Architect, Project Manager
2003 – 2008	HDR Architecture, Omaha, Nebraska Project Designer, Project Team Member, Contract Administration

## Thesis

- 2004                      Community Building  
Major Professor: Thomas Leslie, Professor, Architecture  
Committee: Julia Badenhope, Professor, Landscape Architecture, David Block, Professor, Architecture
- Examined the lack of availability of fresh foods and employment in underserved, marginalized urban neighborhoods and sought to address these issues through an urban system study culminating in a proposed built element. Project was proposed on an actual site in the Near-Northside neighborhood in Omaha. Neighborhoods in St. Louis were used as precedent studies to determine strategies for success.

## Conference Publications (Blind Peer-Reviewed)

- 2018 (anticipated)    Nelson, K. Spaces for Secrets. *Association of Collegiate Schools of Architecture, Madrid*
- 2018 (anticipated)    Nelson, K. and Leach, J. Para-sol: Parametric Solar Game. *Passive and Low Energy Architecture, Hong Kong*
- 2017                      Nelson, K. and Leach, J. The Ethics of Study Abroad: Costs and Benefits. *Association of Collegiate Schools of Architecture, Denver*
- 2017 (poster)           Nelson, K. and Leach, J. Commodity and Delight: A Case for a Qualitative Basis for Environmental Technology Instruction. *European Association for Architectural Education – Architectural Research Centers Consortium, Philadelphia*
- 2017                      Nelson, K. and Leach, J. Overt Operations: Teaching Technology in Intensive Design Studio Workshops. *Building Technology Educators Society, Des Moines*
- 2017                      Nelson, K. and Leach, J. Learning from Life: Instilling an Ecological Ethic in Early Design. *National Conference on the Beginning Design Student, Salt Lake City*
- 2016                      Nelson, K. and Leach, J. Haptic Tactics: Increasing Engagement in and Application of Building Technology Through Hands-on Investigation and Integration with the Design Studio. *National Conference on the Beginning Design Student, San Luis Obispo*
- 2014                      Nelson, K. and Passe, U. Hand to Mouse: Integrated Technology Laboratory in Undergraduate Architectural Education. *European Association for Architectural Education – Architectural Research Centers Consortium, Honolulu*

- 2014 Anderson, N., Rogers, C.A., Paxson, L., Nelson, K., et al. Community Partnership as a Foundation for Scholarship, Pedagogy, and Research—An Interactive Session. *Environmental Design Research Association, New Orleans*
- 2014 Nelson, K. and Whitehead, R. Brick by Brick: Improved Outcomes through Linked Learning Objectives in Beginning Design Labs. *National Conference on the Beginning Design Student, Chicago*
- 2013 Nelson, K. and Leslie, T. Acoustics as a Data-Driven Theme in Comprehensive Design Studio. *Building Technology Educators Society, Bristol*

**Publications (Non-Peer Reviewed)**

- 2017 Nelson, K. Para\_sol: Interactive Investigation of Parametric Photovoltaic Shading Canopies, *Proceedings of the College of Design Construction and Planning 2017 Research Symposium*

**Publications Regarding (includes work published as a member of HDR<sup>1</sup> and Leo A Daly<sup>2</sup>)**

- 2010 John Pitcher, "Desert Landscape Inspires Snow Fort," *Omaha World Herald*, February 22, 2010.
- 2009 John Pitcher, "Couple Advocate Compact Living," *Omaha World Herald*, July 26, 2009.
- 2009 Rhonda Stansbury, "Live Big in Small Spaces," *Omaha World Herald*, July 16, 2009.
- 2008 Committee on Design Competition, Modulation, *The Nebraska Architect*, June 27, 2008.
- 2008 Committee on Design Competition, Modulation, *AIArchitect This Week*, Volume 15, June 6, 2008
- 2008 Imaginative Exhibit, Whorl, *The Nebraska Architect*, May 23, 2008.
- 2008 Russell Boniface, "AIA Nebraska Spearheads the Flatwater Metroplex: Envisioning Regional Design," *AIArchitect This Week*, Volume 15, April 11, 2008.
- 2007 Robert Nieminen, "Shopping in a Glass House," *Interiors & Sources*<sup>1</sup>, September 2007
- 2006 Russell Fortmeyer, "Holland Performing Arts Center," *Architectural Record*<sup>1</sup>, August 2006

**Service**

- 2017 Planning Committee, Society of Building Science Educators Annual Meeting, June 2018
- 2017 Guest Juror, Undergraduate Reviews, Washington University St. Louis, Florence, Italy  
Professor Robert McCarter, Architecture
- 2017 Peer Reviewer, Paper Session, BTES 2017 Conference  
Session Chair, Paper Session, BTES 2017 Conference
- 2017 Committee Member, University of Florida, College of Design, Construction and Planning, Search Committee for Assistant Dean of Undergraduate Education and Facilities
- 2015 – Present Co-Chair of Committee, School of Architecture  
Lecture Committee  
Committee Member, University of Florida, School of Architecture  
Technology Committee  
Gallery Committee
- 2015 – 2016 Guest Juror, Vertical Summer Studio Reviews, Iowa State University, Professor Tom Leslie and Professor Leslie Forehand, Architecture
- 2015 Committee Member, Iowa State University, Department of Architecture, Search Committee for Assistant Professor in Digital Design
- 2013 - 2015 Committee Member, Iowa State University  
College of Design Diversity Committee  
Department of Architecture Annual Lecture Series  
Department of Architecture, Graduate Committee  
Department of Architecture, Technology Committee
- 2012 – 2013 Team Member, Iowa State University  
NAAB Review Preparation Team  
Assisted Team Leader with gathering student work for the exhibit  
Assisted Team Leader with preparation and composition of the exhibit  
*An eight year renewal was the outcome of the review*
- 2012 Peer Reviewer, BTES Paper Session at ACSA Conference
- 2011 Guest Juror, Undergraduate Reviews, Iowa State University

Mikesch Muecke, PhD, Associate Professor, Architecture

2009 – 2012 Board Member, VOICE Omaha  
Community group promoting progressive initiatives in Omaha

2008 – 2015 Guest Juror, Undergraduate Reviews, University of Nebraska  
Timothy Hemsath, Associate Professor, Architecture

2008 – 2012 Volunteer, Bemis Center for Contemporary Art  
International contemporary arts residency, gallery, and community education/outreach

2008 – 2009 Volunteer, Restore Omaha  
Historic preservation and hands-on education organization in Omaha and Council Bluffs

2004 – 2012 Guest Juror, Undergraduate and Graduate Reviews, Iowa State University  
Thomas Leslie, Professor, Architecture

2004 – 2012 Volunteer, AIA Omaha  
Largest non-staffed, local AIA component in the country

2004 – 2009 Guest Juror, Undergraduate Reviews, University of Nebraska at Omaha,  
Michael Hamilton, Instructor, Architecture  
Robert Duncan, Professor, Architecture

2004 – 2009 Volunteer, Omaha by Design  
Promotes designed environments in Omaha & improvement of Omaha Building and Zoning Codes

2004 – 2007 Post Advisor, Explorers, HDR Post  
Youth mentoring organization for high school students interested in architecture and engineering careers

#### Grants

2017 – 2018 Nelson, K., Huang, L.S. and Leach, J. CoolWall: Digital Simulation and Fabrication for Lightweight Building Retrofit, *Competitive Research Seed Funding, College of Design, Construction and Planning, University of Florida, \$9,840*

2015 – 2018 Nelson, K. Case Study for Sustainable Zoning in Redevelopment, *Vice President for Research Competitive Seed Funding, University of Florida, \$29,440*

2014 – 2015 Nelson, K. and Passe, U. Train the Trainer Program: Workforce Training and Certification Pilot Program for Building Commissioning Evaluators (BECx), Iowa Energy Center \$31,186

2014 - 2015 Nelson, K., Passe, U., Wheeler, A. and Whitehead, R. ACT-I, Active Collaboration for Technological Integration, Miller Faculty Fellowship, Center for Excellence in Teaching and Learning, Iowa State University, \$9,000

#### Research and Outreach

2017 Student Environmental Technology II work included in: *Integrating Building Performance with Design: An Architecture Student's Guidebook*. Grant, E., New York: Routledge

2012 – 2013 LORAX project, Reinhart, C., Rakha, T. and Weissman, D., M.I.T. Nelson, K. and Passe, U., and Arch 245 Students (Fall 2012), study participants

#### Selected Practice (includes work with HDR<sup>1</sup>, Leo A Daly<sup>2</sup> and Substance Architecture<sup>3</sup>)

2012 New Practice Facility, Football<sup>3</sup>  
University of Iowa, Iowa City, Iowa  
Staff Architect

2010 – 2012 New Residence Hall, Mothers Living and Learning Program<sup>2</sup>  
College of Saint Mary, Omaha, Nebraska  
Design Architect, Project Architect, Contract Administration

2008 – 2009 Vdara, Harmon Circle<sup>2</sup>, City Center, Las Vegas  
Team Architect, Coordination of Public Artwork

2006 – 2007 Sculpture Garden Addition<sup>1</sup>, Joslyn Art Museum, Omaha, Nebraska  
Project Team Leader, Contract Administration

2005 – 2006 Renovation and Addition to Borsheims<sup>1</sup>, Omaha, Nebraska  
Project Team Leader, Contract Administration

2005 – 2006 Renovation of Former Boiler house into New Lecture Hall<sup>1</sup>  
Historic Preservation of Stained Glass and Terra Cotta<sup>1</sup>  
Durham Museum, Omaha, Nebraska  
Project Designer, Project Team Leader, Contract Administration

2003 – 2005 Holland Performing Arts Center<sup>1</sup>, Omaha, Nebraska  
Intern Architect/Project Team Member

### Professional Affiliations, Licenses & Certificates

2004 – Present	American Institute of Architects
2008 - Present	Licensed Architect, State of Nebraska #A3875
2009 - Present	NCARB Certificate, 66637
2013 - Present	Building Technology Educators Society, Member

### Honors (includes work recognized as a member of HDR<sup>1</sup> and Leo A Daly<sup>2</sup>)

2010	Take a Seat Installation, Vanishing Point Competition entry selected for fabrication
2008	AIA Committee on Design, Ideas Competition, Modulation Competition entry selected for award and exhibition
2006	Merit Award <sup>1</sup> , AIA New York State, Holland Performing Arts Center Retail shop conceptual design, detailing and fabrication, working drawings for chamber music hall, restaurant and donor lounge
2004	Citation Award <sup>1</sup> , AIA Nebraska, Orpheum Theatre Addition Award presentation graphics and working drawings

### Exhibitions

2011 - 2012	Momento, Lissone, Museo d' arte contemporanea di Lissone, Lissone, Italy
2010	300 SQUARE (ghost), Young Professionals Summit, Omaha, Nebraska
2009	300 SQUARE, Empty Room Free Space, Omaha, Nebraska
2008	Whorl, Lauritzen Gardens Design Invitational, Omaha, Nebraska