

## Thomas Leslie, FAIA

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146 College of Design  
Iowa State University  
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## Education

- 1992 M.Arch  
Graduate School of Architecture, Planning, and Preservation  
Columbia University, NYC, NY  
*Annual History/Theory Award, 1992*
- 1989 B.S. in Architectural Studies (with high honors)  
University of Illinois at Urbana-Champaign  
*Edward Long Scholarship for Integration of Art and Architecture, 1989*  
*Society of Architectural Historians Award, 1989*
- 1988 Summer Program in Chinese Architecture  
Tongji University, Shanghai, People's Republic of China

## Employment & Appointments

- 2000-present Department of Architecture, Iowa State University, Ames, IA  
Focus on integration of technology, theory, and design in studio and lecture/seminar courses. Morrill Professor, 2016-Present. Director of Graduate Education, 2014-Present. Pickard Chilton Professor in Architecture, 2011-Present. Professor with tenure, 2011-Present. Associate Professor with tenure, 2006-2011. Assistant Professor, 2000-2006. ACSA Councilor, 2009-2013. History of Technology and Science Program Contributing Faculty, 2006-present. Associate Chair for the Undergraduate Program (interim), 2009, 2012-13. ISU Center for Excellence in the Arts and Humanities Fellow, 2004, 2009. Associate Chair for Academic Affairs/Outreach, 2008. Fourth year level co-coordinator, 2002-2008. Rome Program Faculty, 2008. Technology Area Chair, 2000-2007. Director of Graduate Education (interim), 2006-2007. Miller Faculty Fellow, 2004.
- 2017 Senior Visiting Fellow, Institute of Advanced Studies.  
Alma Mater Studiorum, University of Bologna.
- 2015 Visiting Scholar, American Academy in Rome.
- 2015 Virginia Design Fellow,  
Hanbury Evans Vlattas + Wright Architecture + Planning, Norfolk, Va.

2013-2014	Fellow, American Academy in Rome. Booth Family Rome Prize in Historic Preservation
2010	Eshbach Visiting Scholar, Civil & Environmental Engineering Department, McCormick School of Engineering, Northwestern University, Evanston, IL
2007	Visiting Fellow, Faculty of Design, Architecture and Building, University of Technology, Sydney, Australia.
2007	Visiting Assistant Professor, Bauhaus-Universität International Advanced Architecture and Design Program, Weimar, Germany.
1993-2000	Sir Norman Foster and Partners, London, England/San Francisco, CA  Site Architect for Stanford University Center for Clinical Sciences Research, Project Architect for Al Faisaliah Banquet Hall, Riyadh, Saudi Arabia. Team Architect on Joslyn Art Museum, Omaha, NB and numerous competitions. Associate, 1997-2000.
1990	Skidmore, Owings, and Merrill, Chicago, IL  Intern Architect.

## Funded Research, Recognitions, and Awards

2018-present	Fellow, American Institute of Architects
2017	Team member, "The Flaminio Stadium by Pier Luigi and Antonio Nervi in Rome: An Interdisciplinary Conservation Plan." The Getty Foundation "Keeping it Modern" Architectural Conservation Grant. (€161,000 total).
2016	FURTHERMORE Grant, J.M. Kaplan Fund for <i>Beauty's Rigor: Patterns of Production in the Work of Pier Luigi Nervi</i> . (\$5000).
2016-present	Morrill Professorship, Iowa State University.
2016	"The Rebirth of the Skyscraper: Technical Advances, 1930-1975." Supervisor for CTBUH Student Research Grant awarded to Saranya Panchaseelan and Shawn Barron. (\$20,000).
2015	AIA Iowa Educator Award.
2013-2014	Booth Family Rome Prize in Historic Preservation and Conservation, American Academy in Rome, Sept., 2013-March, 2014
2011	Sabbatical Fellowship, American Philosophical Society, Spring, 2011 (\$40,000)
2010	"Practicing Structures." NCARB Grant for the Integration of Practice and Education in the Academy. Fall-Spring, 2010. (\$11,850)
2010	Support Grant, Canadian Centre for Architecture (\$2,000)
2009	"SCI-TECH: A Technology Sequence for Generation Green." Honorable Mention, U.S. Green Building Council Excellence in Green Building Education Awards.

- 2009 "A Combination of Strength and Beauty: The Role of Building Technology in the Transformation of the 'Chicago Style,' 1904-1934."  
Iowa State University Center for Excellence in the Arts and Humanities Fellowship (\$5,000)
- 2008 "Design Science" ACSA Creative Achievement Award  
(with Jason Alread, Karen Jeske, James Miller, Joe Muench, and Carl Rogers)
- 2008 ACSA Service Award (for chairing ACSA Subcommittee on Peer Review)
- 2007 Nancy J. Polster Teaching Award, Iowa State University College of Design
- 2007 "SCI-TECH: A Practice-Based, Integrative Approach to Building Technology Education"  
AIA Education Honor Award
- 2007 ACSA Service Award (for term on *JAE* Editorial Board)
- 2007 "Design-Tech: Building Science for Architects"  
Royal Institute of British Architects Construction Book of the Year Long List
- 2006 "Steel and Glass: Regional Industry and the Making of the Chicago Skyscraper"  
National Endowment for the Humanities (\$5,000)  
"We the People" American History and Culture Initiative Summer Stipend
- 2006 "Writing About Architecture" ACSA Creative Achievement Award (with Ann Sobiech-Munson)
- 2005 "Design-Tech: Building Science for Architects"  
Iowa State University Vice Provost for Research Subvention Grant (\$11,000)
- 2004 "Louis I. Kahn: Building Art, Building Science"  
Iowa State University Vice Provost for Research Subvention Grant (\$6,000)
- 2004 "Design Science and Design for Society" Iowa State University Miller Grant (\$25,000)
- 2004 "Physics and Form: A Seminar in the History of Building Science."  
ACSA Creative Achievement Award
- 2004 "Things in Their Best Order:  
The Role of Building Science in Louis I. Kahn's Kimbell Art Museum"  
Graham Foundation for Advanced Studies in the Fine Arts (\$3,600)
- 2004 "Louis I. Kahn: Building Art, Building Science"  
Iowa State University Center for Excellence in the Arts and Humanities Fellowship (\$5,000)
- 2003 ACSA/AIAS New Faculty Teaching Award
- 2002 ACSA Technology Conference Fellowship
- 2001 "Things in Their Best Order: The Building Art and Science of Louis Kahn."  
Iowa State University of Science, Technology and Society Grant (\$1,000)

## Publications

### Books + Book Chapters

- 2018 (under contract) Co-Editor, with Cristiana Chiorino. *Pier Luigi Nervi: Aesthetics and Technology in Building* (50<sup>th</sup> Anniversary Edition, Champaign: University of Illinois Press).
- 2017 *Beauty's Rigor: Patterns of Production in the Work of Pier Luigi Nervi*. (Champaign: University of Illinois Press).
- 2015 "Building Technology," in Hugh Sletten, ed., *The Oxford Encyclopedia of the History of American Science, Medicine, and Technology* (New York: Oxford University Press).
- 2014 With Jason Alread and Robert Whitehead, *Design-Tech: Building Science for Architects*. (2nd Edition, Oxford: Routledge).
- 2013 *Chicago Skyscrapers, 1871-1934*. (Champaign: University of Illinois Press).
- 2012 "'Unavoidable Nuisances:' Engineering and Engineers in the Work of Louis I. Kahn" in Jochen Eisenbrand, ed., *Louis I. Kahn: The Power of Architecture* (Basel: Vitra).
- 2012 "'Hollow Stones, Hollow Floors: Structure, Space, and Services in Louis Kahn's Floor Systems," in Roberto Gargiani, ed., *Architraves, Platbands, and Floors*. (Lausanne: PPUR).
- 2012 With Norman Foster and David Jenkins, ed. *Millau Viaduct*. (Berlin: Prestel)
- 2012 "Glass and Light: The Role of Interior Illumination in the Chicago School," reprinted in Kiel Moe and Ryan Smith, eds., *Building Systems: Technology, Design and Society* (London: Routledge)
- 2012 "Environmental Education," in Joan Ockman, ed., *Architecture School*. (Cambridge, MA; MIT Press). 306-312.
- 2012 "Les 'Quatre Causes' de l'Architecture, ou la Réponse de Dankmar Adler au Texte de Louis Sullivan, 'de la Tour de Bureaux Artistiquement Considérée'" in Nikola Jankovic, ed., *Form Follows Function: de la Tour de Bureaux Artistiquement Considérée* (Paris, Editions B2). 49-74.
- 2009 "Millau Viaduct," "Oresund Bridge," "Repsol Service Station," and "Dresden Station." (essays). *Norman Foster: Works 5* (Berlin: Prestel)
- 2007 *Country Comes to Town: The Iowa State Fair* (New York: Princeton Architectural Press)
- 2006 With Jason Alread, *Design-Tech: Building Science for Architects* (Oxford, UK: Architectural Press)
- 2005 *Louis I. Kahn: Building Art, Building Science* (New York: George Braziller)

*Journal Articles*

- 2018 "Insulation with Vision: Notes Toward a History of Insulated Glazing." *Association for Preservation Technology Journal*. (In Review).
- 2018 With Saranya Panchaseelan, Shawn Barron, and Paolo Orlando, "Deep Plan, Thin Skin: Environmental Precursors to the Postwar Skyscraper." *Journal of the Society of Architectural Historians*, March, 2018.
- 2017 "'Holy Ground in the True Modern Sense:' Pier Luigi Nervi's Unbuilt Fermi Memorial at the University of Chicago." *Journal of Illinois History*, 18:2. Summer, 2017.
- 2014 "The Monadnock Building Technically Re-Considered" *Council on Tall Buildings and Urban Habitats Journal*, Winter, 2014.
- 2013 "Carpenter's Parametrics: Economics, Efficiency, and Form in Pier Luigi Nervi's Concrete Designs." J. F. Abel, G. Arun, and M. A. Chiorino, eds. Special issue of *Journal of the International Association for Shell and Spatial Structures*. 54: 2&3. September, 2013.
- 2013 Guest Editor (with Bill Addis and Nick Bullock). Special Issue of *Construction History*, "Construction History in the Americas." 28:1. July, 2013
- 2010 "'Built Mostly of Itself': The Chicago Brick Industry and the Masonry Skyscraper in the Late 19<sup>th</sup> Century." *Construction History*. 25. 2010.
- 2010 "Henry Ives Cobb and the Chicago 'Postoffice Botch.'" *The Journal of Illinois History*. 13:4. Winter, 2010.
- 2010 "'It May be Well to Amend Mr. Sullivan's Statement:' Dankmar Adler's Response to 'The Tall Office Building Artistically Considered.'" *The Journal of Architectural Education*, 64:1. Oct., 2010.
- 2010 "Built Like Bridges: Iron, Steel, and the Importance of Riveted Steel to the Nineteenth Century Skyscraper." *Journal of the Society of Architectural Historians*. 69:2. June, 2010.
- 2008 "'As Large as the Situation of the Columns Will Allow': Building Cladding and Plate Glass in the Chicago Skyscraper, 1885-1905." *Technology and Culture*, Vol. 49, no. 2. April, 2008.
- 2007 "'A Museum of Living Architecture': Continuity and Contradiction at the Des Moines Art Center" (Co-authored with Jason Alread). *The Journal of Architectural Education*, Volume 61, no. 2.; November, 2007
- 2006 "'1:1" (Theme Issue, Co-Edited with Jori Erdman, Clemson University) *The Journal of Architectural Education*, Volume 60, no. 2.; November, 2006
- 2006 "Just What is it that Makes Capsule Homes so Different, So Appealing? Domesticity and the Technological Sublime, 1945-1975." *Space and Culture*, Vol. 9, no. 2.; May, 2006
- 2005 "From Jetport to Worldport: The Pan Am Terminal at Idlewild/Kennedy and the Transition from Jet Age to Space Age." *Design Issues*, Volume 21, no. 1.; Winter, 2005.

- 2004 "Glass and Light: The Role of Interior Illumination in the Chicago School." *The Journal of Architectural Education*, Volume 58, no. 1; September, 2004
- 2003 "Form as Diagram of Forces: The Equiangular Spiral in the Work of Pier Luigi Nervi." *The Journal of Architectural Education*, Volume 57, no. 2; November, 2003
- 2003 "Things in Their Best Order: Technical Aspects of the Salk Institute and Their Role in its Design." *The Journal of Architecture*, (RIBA/Routledge) vol. 8. 95-113; Spring, 2003.
- 2001 "Energetic Geometries: The Dymaxion Map and the Skin/Structure Fusion of Buckminster Fuller's Geodesics." *Architectural Research Quarterly*, (Cambridge University Press) Vol. 5., no. 2; September, 2001

*Publications (invited, not peer reviewed)*

- 2018 "'Proud and Soaring Things:' Skyscrapers and the City." [Review of Jason M. Barr, *Building the Skyline: The Birth and Growth of Manhattan's Skyscrapers*; Scott Johnson, *Performative Skyscraper: Tall Building Design Now*; Mark Kingwell, *Nearest Thing to Heaven: The Empire State Building and American Dreams*; Adnan Morshed, *Impossible Heights: Skyscrapers, Flight, and the Master Builder*; and John Tauranac, *The Empire State Building: The Making of a Landmark*. *The Journal of Urban History*, Fall, 2018.
- 2017 Review of Jay Pridmore, *Des Moines Architecture*. (Charleston, SC; The History Press, 2015) in *The Annals of Iowa*.
- 2016 Review of *Christian Menn: Brücken* (Zurich: Scheidegger & Spiess, 2015) in *Built Environment*.
- 2016 "'No Fat:' BNIM Renovates A Classic Design By Gordon Bunshaft, Showing That Brutalism Wasn't Always Cold-Hearted." *Iowa Architect*, Summer, 2016. 18-21.
- 2015 Review of Suzanne Bourgeois, *Genesis of the Salk Institute: The Epic of Its Founders*. *The Bulletin of the History of Medicine*, 89:1. Spring, 2015. 156-157.
- 2015 "At Your Service: The New Richard A. Clark Municipal Services Building Turns a Forgotten Brownfield Site Into a Statement of Commitment to Growth, Stewardship, and Investment in Quality Design." *Iowa Architect*, Fall, 2015. 26-29.
- 2014 Review of A. Pressman, *Designing Architecture*; J. Balmer and M. T. Swisher, *Diagramming the Big Idea*; J. F. Eckler, *Language of Space and Form*; B. Bielefeld, ed., *Basics: Architectural Design*; and G. Makstutis, *Architecture*. *Journal of Architectural Education*, Spring, 2014.
- 2013 Review of Rivka and Robert Oxman, eds. *AD: The New Structuralism*. *Journal of Architectural Education*, Vol. 67, no. 2. 323-324.
- 2013 "Heights of Fancy." [op-ed on topping out of One World Trade Center], *The New York Times*, May 31, 2013. A21.
- 2011 Review of Susan G. Solomon, *Louis I. Kahn's Jewish Architecture*. *Shofar: The Journal of Interdisciplinary Jewish Studies*. Vol. 29, no. 2. Winter, 2011. 222-224.
- 2011 "Ritual Space: When Is a House More Than a Home? When Every Move Within Is Thoughtfully Staged, Framed, And Elevated." *Iowa Architect*, Fall, 2011. 42-49.

- 2010 Review of Gail Fenske, *The Skyscraper and the City. Technology and Culture*. Vol. 52, no. 2. April, 2010. 506-507.
- 2010 "Riverfront Property" (University of Iowa Boathouse)  
*Iowa Architect*. 10:273. Fall, 2010. 12-15.
- 2010 "Still Life with Landscape: Balancing Traditions and Modernity in a Classic Iowa Setting" (Monson House, Iowa City, IA). *Iowa Architect*, 10:271. Winter, 2010. 14-15.
- 2009 "Keeping the Flame" (St. Patrick's Catholic Church, Iowa City, IA)  
*Iowa Architect*, Fall, 2009. 09:269, 14-17.
- 2009 "After the Storm" (Aplington-Parkersburg High School, Parkersburg, IA)  
*Iowa Architect*, Fall, 2009. 09:269, 24-25.
- 2009 "In Their Own Time" [Review of Joanna Merwood-Salisbury, *Chicago 1890*.] *The Architect's Newspaper*, Midwest Edition no. 01. 14 October, 2009.
- 2009 "Shedding Light" (Iowa State Bank and Trust, West Liberty, IA).  
*Iowa Architect*, Spring, 2009. 09: 267, 26-27.
- 2009 "Melrose Place: The Sequel" (Melrose Avenue Parking Facility, Iowa City, IA)  
*Iowa Architect*, Winter, 2009. 08: 266, 16-19.
- 2008 "Courting a Balance" (Marketplace Apartments, Des Moines, IA).  
*Iowa Architect*, Fall, 2008. 08:265, 22-23.
- 2008 "Sitework" (Oreon Scott Chapel, Drake University).  
*Iowa Architect*, Winter, 2008. 07:262, 18-19.
- 2007 "Spectacular Vernacular" (Oakwood Road Church, Ames, IA)  
*Iowa Architect*, Fall, 2007. 07:261. 14-17.
- 2007 "Architecture in Des Moines—A Quiet Legacy" *dsm*, Summer, 2007.
- 2007 "The Raw and the Cooked." (Lucca, Des Moines, IA.) *Iowa Architect*, Summer, 2007. 26-28.
- 2007 "Poröses Metall: School of Art and Art History Building, University of Iowa, von Steven Holl Architects." *werk, bauen + wohnen*, March, 2007.
- 2007 "Tall Done Well." (Plaza Towers, Iowa City, IA.) *Iowa Architect*, Winter, 2007. 06:258. 26-27.
- 2006 "Vältimatud Nuhtlused: August Komedant, Louis I. Kahn ja Arhitektuuri Ning Insenerikunsti Keerulised Suhted." [Unavoidable Nuisances: August Komendant, Louis I. Kahn, and the Difficult Relationship Between Architecture and Engineering.] *MAJA* [Estonian Architectural Review]. 4-2006 (50). December, 2006. 72-75.
- 2006 "An Office of Substance" (Substance Architecture Offices, Des Moines, IA.)  
*Iowa Architect*. Fall, 2006. 06:257. 26-27.
- 2006 "Des Moines Public Library Opens." *Architecture: The AIA Journal*, 95:7. Jul 2006. 18.

- 2006 "Precision Meets Tradition." (McWethy Hall, Cornell College, Mount Vernon, IA.)  
*Iowa Architect*. Spring, 2006. (Annual Awards Issue) 06:255. 22-23.
- 2006 "A Center at the Gateway." (John Crystal Center, Grinnell College, Grinnell, IA.)  
*Iowa Architect*. Spring, 2006. (Annual Awards Issue) 06:255. 26-27.
- 2005 "Four Square." (Wells Fargo, Des Moines). *Iowa Architect*. Winter, 2005.
- 2005 "River Phoenix." (Figge Art Museum, Davenport, IA. David Chipperfield Architects).  
*Architecture*. October, 2005. 94:10.
- 2005 "Snowbird: HLKB Architecture Goes Native in Port Orange, FL."  
*Iowa Architect*, Fall, 2005. 05:253.
- 2005 "Urbane Visitor: A Home Sits Tenuously on the Iowa Landscape."  
(Seely House, Madison County, Iowa). *Iowa Architect*, Winter, 2005. 04:250.
- 2004 "A Century of Iowa Architecture." Interview on C. Y. Stephens Auditorium, Ames, IA  
Iowa Public Television, December, 2004.
- 2004 "Building of the Century: C. Y. Stephens Auditorium, Iowa State University, 1969."  
*Iowa Architect*, Winter, 2004-2005 [special issue on 20th c. architecture in Iowa]. 04:249.
- 2004 "Gateway to the Next Century:  
Meredith Corporation Headquarters Expansion, Des Moines, 1998."  
*Iowa Architect*, Winter, 2004-2005 [special issue on 20th c. architecture in Iowa]. 04:249.
- 2004 "Architecture Alights: The Seely House Lands in Southern Iowa." *dsm*, September, 2004.
- 2004 "Bad Builders: Kahn's Commitment" (letter). *The New York Times*, 15 Aug 2004.
- 2003 "You Begin Here: John Chrystal Center, Grinnell College."  
*Iowa Architect*, Winter 2003-2004. 03:246.
- 2003 "Winging It: The Christina Reiman Butterfly Wing, Ames, IA"  
*Iowa Architect*, Fall, 2003. 03:245.
- 2002 "Architectural Education: Physics and Form, Fall, 2001 Elective in Building Technology."  
*Iowa Architect*, Fall, 2002. 02:241.
- 2002 "A Transparent Partnership: Brooks Borg Skiles and the Des Moines Partnership Sell  
Downtown Des Moines." *Iowa Architect*, Fall, 2002 02:241
- 1999 "No Pain, No Gain," Review of Neil Leach, *The Anesthetics of Architecture*,  
*World Architecture* #81, November, 1999.
- 1997 "Man's Best Friend," Review of *The City after the Automobile*, Moshe Safdie and Wendy  
Kohn.  
*World Architecture* #59, September, 1997.
- 1997 "Have Airport Will Travel," Review of *Building for Air Travel*, John Zukowsky, ed.  
*World Architecture* #55, April, 1997.
- 1997 Book Review of Reyner Banham, *A Critic Writes*. *Architectural Record*, Feb., 1997.
- 1996 "The Legacy of the Airship: Ethereal Modernism and the Dynamic Maximum."

*World Architecture* #43, February, 1996. pp. 114-115.

## Press Coverage and Reviews

- 2018 Danny Lawhon, "Could the Riverfront YMCA Site Have Been Both a Courthouse and a Downtown Hotspot?." *Des Moines Register*, Apr. 30, 2018.
- 2018 With Saranya Panchaseelan, Shawn Barron, and Paolo Orlando, "Reconstruction as Research: Digital Modeling of Key Postwar Skyscrapers." *Council on Tall Buildings and Urban Habitats Journal*, 2018, Issue 1.
- 2018 "Atlanta Development Proposal Just Happens to Be Amazon-Sized." *The New York Times* and Associated Press, Jan. 25, 2018.
- 2017 "The First Skyscrapers." *The Forum*, hosted by Bridget Kendall. BBC World Service. November 14, 2017. Online at <http://www.bbc.co.uk/programmes/w3cvsf9>
- 2017 "High Risers: Elevators and Building Design." *The Infrastructure Show*, hosted by Joseph Schofer. Online at: <http://theinfrastructureshow.com/podcasts>
- 2017 "hd Awards: Winner/Finalist." *Hospitality Design*, June, 2017.
- 2016 Tom F. Peters, review of *Chicago Skyscrapers, 1871-1934*. *Journal of the Society of Architectural Historians*, Vol. 75, no. 3. September, 2016. 372-374.
- 2015 "Lectures in History: Advent of the Skyscraper." *American History TV*, C-SPAN. Recorded February 17, 2015. Online at <http://www.c-span.org/video/?323900-1/discussion-advent-skyscraper>
- 2014 Robert Loerzel, "What If the Great Fire of 1871 Had Never Happened?" *WBEZ's Curious City*. WBEZ, Chicago. Online at <http://interactive.wbez.org/curiouscity/chicagofire/>
- 2014 Erica Gunderson, "Ask Geoffrey: Mr. Selfridge, Firehouses, & Revolving Doors." WTTW, Chicago, March 19, 2014. Online at <http://chicagotonight.wttw.com/2014/03/19/ask-geoffrey-319>
- 2013 Eric Butterman, "The Wonder of Skyscrapers," *American Society of Mechanical Engineers* online magazine, August 12, 2013. Online at <https://www.asme.org/engineering-topics/articles/construction-and-building/the-wonder-of-skyscrapers>
- 2013 Paul Kruty, Review of *Chicago Skyscrapers, 1871-1934*. *The Journal of Illinois History*. Vol. 15. Winter, 2013. 289-290.
- 2013 Gwendolyn Purdom, Review of *Chicago Skyscrapers, 1871-1934*. *The Architect's Newspaper*, Dec. 12, 2013.
- 2013 "The Chicago School of Architecture, Reconsidered." *Sound Ideas with Charlie Schlenker*. WGLT Radio, Bloomington-Normal, IL. August 12, 2013. (Audio archive at: <http://wgl.org/wireready/news/2013/08/04856-Chicago-Skyscrapers-WEB-141201.shtml>)

- 2013 Lawrence Biemiller, "The Stories Skyscrapers Tell." *The Chronicle of Higher Education*, August 12, 2013.
- 2013 "Chicago Skyscrapers." *Chicago Tonight*, WTTW (PBS) Chicago. July 22, 2013. Video archives at: <http://video.wttw.com/video/2365050750>
- 2013 "Author Thomas Leslie Talks About His Book: *Chicago Skyscrapers*." *WGN Midday News*, June 7, 2013. Video archives at <http://wgntv.com/2013/06/07/author-thomas-leslie-talks-about-his-book-chicago-skyscrapers/>
- 2013 "Why Would A Building Collapse Unexpectedly?" *The Turi Ryder Show*, WGN-Radio, Chicago, IL. June 5, 2013. Audio archives at: <http://wgnradio.com/2013/06/05/>
- 2013 "New York Times Op-Ed Weighs in on WTC Debate." *Council on Tall Buildings and Urban Habitats Global News*. May 31, 2013. Internet archive at: <http://www.ctbuh.org/News/GlobalTallNews/tabid/468/EntryId/5043/New-York-Times-Op-Ed-Weighs-in-on-WTC-Debate.aspx>
- 2013 "Photo-Op: Lane of Beauty" [Review of *Millau Viaduct*]. *The Wall Street Journal*, Jan. 26, 2013. C8.
- 2010 Michael Morain, "Meier Wing: Iconic or Out of Place?" *Des Moines Register*, August 22, 2010
- 2008 Gevork Hartoonian, "Louis I Kahn @ 40s: Architecture in the 1950s." *Architectural Theory Review*. Vol. 13, no. 1. April, 2008. 3-28.
- 2008 Craig E. Barnes, P.E., SECB, "Book Case [Review of *Design-Tech: Building Science for Architects*]." *Structure*, August, 2008, 54.
- 2008 "ISU Architecture Awards: Sustainable Transmutation." [RDG Bussard Dikis Design Award, 2007, Clay Gish and Brian Ogle]. *Iowa Architect*, Winter, 2008. 07:262, 18-19.
- 2007 "ISU Prof Writes Book About State Fair Architecture," *The Des Moines Register*, August 14, 2007.
- 2007 *By Design with Alan Saunders* [Discussion of lecture, "Jumbo Architecture"] Australian Broadcasting Corporation Radio National 2; August 11, 2007  
Audio archive at: <http://www.abc.net.au/rn/bydesign/stories/2007/1996984.htm>
- 2007 *The Exchange with Ben Kieffer* [Discussion of the Iowa State Fair] Iowa Public Radio; July 9, 2007. Audio archive at: <http://wsui.uiowa.edu/exchange.htm>
- 2007 Gevork Hartoonian, "Louis I. Kahn: Building Art, Building Science." [Book Review]. *Design Issues*, vol. 23, no. 3. Summer, 2007. 97-99.
- 2007 "Libri e Riviste." [Review of *Louis I. Kahn: Building Art, Building Science*.] *Casabella*, no. 752. February, 2007. 98.
- 2006 "Media: Versluiserende woorden." [Review of *Louis I. Kahn: Building Art, Building Science*] *de Architect* [Netherlands]. May, 2006. 108-111.
- 2006 Josh Nelson, "The New Old Garage." (Campus Garage, Ames, IA).

*The Ames Tribune*, January 13, 2006.

- 2005 László Erdelyi, "Libros del Mundo," [Review of *Louis I. Kahn: Building Art, Building Science*] *El País Cultural* [Uruguay]16, no. 831 (October 7, 2005): 5.
- 2005 Kyle Munson, "Overhaul." (Campus Garage, Ames, IA). *Iowa Architect*, no. 254. 14-15
- 2005 "Soaring Architecture: Iowa State Students Design Dream Gliderport." *Soaring Magazine*, January, 2005.
- 2003 Waterford North Quays: International Architectural and Urban Design Competition. (one of 41 entries chosen for publication out of 313 registrations)  
Dublin: Office of Public Works, Special Projects Unit.
- 2003 "Architectural Education: ISU Architecture Awards." (ACSA/AIAS New Faculty Award.) *Iowa Architect*. 03:243, Summer, 2003

## Presentations

- 2018 "Inevitably Translated: Pier Luigi Nervi's Work with Harry Seidler in Australia." SAHANZ Annual Meeting, Wellington, NZ. July, 2018. (accepted)
- 2018 "Laborious and Difficult:" The Evolution of Pier Luigi Nervi's Hangar Roofs, 1936-1941." Sixth International Congress on Construction History, Brussels, Belgium. July, 2018. (accepted)
- 2018 "*Le Autostrade Sopraelevate*:" Pier Luigi Nervi's Proposals for Steel Highway Viaducts in California." International Association for Shell and Spatial Structures Annual Meeting, Boston, MA. July, 2018. (in review)
- 2018 Keynote Speaker, "Pier Luigi Nervi: Art and Science of Building." Lehigh University, Bethlehem, PA. May, 2018.
- 2018 "Beauty's Rigor: Patterns of Production in the Work of Pier Luigi Nervi."  
Texas A&M Department of Architecture Annual Lecture Series, March, 2018.  
Louisiana Tech Department of Architecture Annual Lecture Series, April, 2018.  
Iowa State University Rome Program/American Academy in Rome Joint Lecture, April, 2018.  
Northwestern University McCormick School of Engineering Annual Lecture Series, May, 2018.
- 2017 Panelist, "The World is Old: History is New." American Academy in Rome/National Trust for Historic Preservation, Chicago Architecture Biennial, November, 2017.
- 2017 "Brutal Grace: I.M. Pei's Early Art Centers." Re-Thinking Pei: A Centenary Symposium. Harvard University Graduate School of Design, October, 2017.
- 2017 "Flyover Manifesto."

- AIA Iowa State Convention, Des Moines. Sept., 2017
- Building Technology Educators Society, Keynote Address, June, 2017.
- 2017 "Chicago Skyscrapers: Competing Interests and Struggles, Technological Advances, and Politics That Produced a New Built Landscape in the Loop." Faculty Scholar Lectures, Chicago Architecture Foundation NEH Workshop for Educators and Mentors, Chicago, IL. July, 2017.
- 2017 "La Manifattura Tabacchi a Bologna di Pier Luigi Nervi tra storia e riuso". HPA (History of Postwar Architecture) Talks series, Dipartimento di Architettura dell'Università di Bologna. April, 2017.
- 2017 "La "Scatola di Vetro:" Perché no?" Scuola di Ingegneria e Architettura, Facoltà di Architettura "Aldo Rossi" di Cesena. April, 2017.
- 2017 "*Manifattura Tabacchi*, Bologna: Construction History, Digital Techniques, and Adaptive Re-Use." Institute for Advanced Studies, Alma Mater Studiorum, Università di Bologna. April, 2017.
- 2017 With Don Friedman, Old Structures, NY: "Debate: Which City is the 'Birthplace of the Skyscraper?'" The Skyscraper Museum, New York, NY. March, 2017.
- 2017 "Book Talk: Chicago Skyscrapers, 1871-1934." The Skyscraper Museum, New York, NYC. March, 2017. Available online at: [https://www.youtube.com/watch?v=T\\_OY7E5EktU](https://www.youtube.com/watch?v=T_OY7E5EktU)
- 2016 "Deep Space, Thin Walls: Environmental and Material Precursors to the Postwar Skyscraper."
- SOM Chicago, Office Presentation, December, 2016.
- Association for Preservation Technology Annual Conference, workshop on "Building Science and Systems: Examining Approaches and Technologies for Rehabilitating Historic Structures." San Antonio, TX, Oct., 2016.
- Association for Preservation Technology, Western Great Lakes Chapter Annual Meeting. Libertyville, IL., April, 2016.
- 2016 with Ben Kruse and Kyle Vansice:  
"The Key to the Problem is the Section: Nervi's *Architettura Navale*."
- International Association for Shell and Spatial Structures Annual Meeting, Tokyo, Japan. Sept., 2016.
- Fifth Biennial Conference, Construction History Society of America. Austin, TX. June, 2016.
- 2016 Keynote Address, Third Annual Conference on Construction History, University of Cambridge, UK. April, 2016.
- 2016 "I Lecciones De Historia De La Técnica." Workshop on Construction History. Presented in conjunction with Tom Peters, Lehigh University.

- Universidad de los Andes, Bogota, Colombia. March, 2016.
- 2016 Program on Skyscrapers for Chicago Architecture Foundation Docents, March, 2016.
- 2016 "Beauty's Rigor: Patterns of Production in the Work of Pier Luigi Nervi." University of Florida, Gainesville, FL. Annual Lecture Series, February, 2016.
- 2015 Chicago Biennial Roundtable Discussion: "Research Chicago: Tall Buildings." With Michelangelo Sabatino, Hanif Kara, Luke Leung, Martino Stierli, and Antony Wood. Illinois Institute of Technology, October, 2015.
- 2015 "Construction History in Chicago: Why Are We Here?" Keynote Address, Fifth International Congress on Construction History, Chicago, IL. June, 2015.
- 2015 "Every Room an Outside Room: Environmental Technology and Light Courts in Chicago's Skyscrapers." Society of Architectural Historians Annual Meeting, Chicago, IL, April, 2015.
- 2015 "The Tall Building Technically Reconsidered." University of Illinois at Urbana-Champaign, April, 2015.
- 2015 "Beauty's Rigor: Patterns of Production in the Work of Pier Luigi Nervi." University of Massachusetts, Amherst, March, 2015.
- Northwestern University, McCormick School of Engineering, October, 2015.
- University of Houston, Houston, TX, October, 2015.
- Technical University of Cottbus, Cottbus, Germany, November, 2015.
- 2015 "Built Like Bridges: Riveting and Wind Bracing in Early Chicago Skyscrapers." Structural Engineering Foundation of Illinois, Chicago, IL. March, 2015
- 2015 Program on Chicago Skyscrapers for Chicago Architecture Foundation Docents, February, 2015.
- 2014 "The Beaux-Arts Skyscraper Technically Reconsidered: Chicago's Towers of the 1920s and 30s." The Art Institute of Chicago. November, 2014.
- 2014 "*Systeme Nervi: Production, Aesthetics, and the Role of Constraint in Nervi's Coperatura.*" Industries of Architecture, Newcastle, UK. November, 2014.
- 2014 "Chicago Skyscrapers, 1871-1934." Illinois Institute of Technology, Dept. of Architecture Public Lecture Series. October, 2014.
- 2014 "Regional Production and the Chicago Skyscraper." Keynote Address, South Dakota AIA Convention, Sioux Falls, SD. September, 2014.
- 2014 "Moving Weights: Nervi's Prefabricated 'Wave Ashlar' Roofs and the Artisanal *Cantiere.*" International Association for Shell and Spatial Structures Annual Symposium, Brasilia, Brazil. September, 2014.
- 2014 "Beauty's Rigor: Patterns of Production in the Work of Pier Luigi Nervi." Iowa State University Department of Architecture, Architectural Advisory Council Lecture.

- September, 2014.
- 2014 "A Tale of Two Columns: Performance and Assembly in Similar Structural Elements from 19<sup>th</sup> Century Chicago and Postwar Italy." American Academy in Rome, Fellows 'Shoptalk' series, January, 2014.
- 2013 "Carpenter's Parametrics: Economics, Efficiency, and Form in Pier Luigi Nervi's Concrete Designs." International Association for Shell and Spatial Structures Annual Symposium, Wroclaw, Poland. September, 2013.
- 2013 "Chicago Skyscrapers." Public Lecture sponsored by Preservation Works, Minneapolis, MN. August, 2013
- 2013 With Kris Nelson, "Repeat Performance: Acoustics as Evidence-Based Design." Building Technology Educators' Society Biannual Meeting, Bristol, RI., July, 2013.
- 2013 Panelist, "Resolved: Chicago/New York/Minneapolis was the Birthplace of the Skyscraper." Association for Preservation Technology, Western Great Lakes Chapter/Construction History Society of America Regional Meeting, Chicago, IL, June, 2013.
- 2013 "Chicago Skyscrapers." Lunchtime Lecture, University Club, Chicago, IL. June, 2013
- 2013 "Chicago Skyscrapers." Interview by Gary Johnson, President, Chicago History Museum. Printer's Row Literary Festival, Chicago, IL, June, 2013
- 2013 Session Chair, "BTES Special Session," ACSA Annual Meeting, San Francisco, CA, March, 2013
- 2012 "The Tall Building Laterally Reconsidered: New Research on the Structure of the Monadnock Block." Chicago Architecture Foundation, Docent Education Program. November, 2012.
- 2012 "Kahn at Yale: Technology as Ornament." University of Tennessee, Knoxville. Graduate Technology Seminar, October, 2012
- 2012 "The Wind Must be Looked After: Two Generations of Wind Bracing in Chicago Skyscrapers." Chicago Architecture Foundation Public Programs, Lunchtime Lecture Series. September, 2012.
- 2011 "Plate Glass Production and Skyscraper Design in Nineteenth Century Chicago Skyscrapers." Chicago Council on High Rise Buildings, April, 2011.
- 2011 "Built Like Bridges: The Importance of Steel to Wind Bracing in the Nineteenth Century Skyscraper." Association for Preservation Technology, Western Great Lakes Chapter. Chicago, IL, April 2011.
- 2010 "Construction History: An Integrative Approach to Architectural History and Practice." (Session Chair). AIA Iowa Annual Meeting, October, 2010.
- 2010 "Plate Glass Production and Skyscraper Design in Nineteenth Century Chicago Skyscrapers." AIA Minnesota Annual Meeting, November, 2010.

- Association for Preservation Technology, Western Great Lakes Chapter. Chicago, IL, April, 2010  
Goettsch Partnership Continuing Education Lecture, August, 2010
- 2010 "Richard Meier Building Celebrates 25 Years: What's Cherished? - What's Challenged? Two Architecture Professors, Two Opinions, One Moderator, Twenty-Five Years." With Jason Alread and Tim Hickman. Des Moines Art Center, August, 2010.
- 2010 "Built Like Bridges: The Importance of Steel to Wind Bracing in the Nineteenth Century Skyscraper." Eshbach Visiting Scholar Lecture, Northwestern University McCormick School of Engineering. April, 2010.
- 2010 "The Technical Evolution of the Chicago Skyscraper, 1871-1934." Docent Enrichment Program, Chicago Architecture Foundation, Chicago, IL. April, 2010.
- 2009 "A Great Architectural Problem: The Technical Evolution of the Chicago Skyscraper, 1871-1934." Poster Presentation, Council on Tall Buildings and Urban Habitats, Chicago, IL. October, 2009.
- 2009 "Breaking Stuff: A No-Frills Approach to Haptic Learning in Structures Classes." with Kevin Dong, P.E., Cal Poly, San Luis Obispo ARCE Department. Building Technology Educators' Society 2009 Conference, Albuquerque, NM. August, 2009.
- 2009 "Built Like Bridges: The Importance of Wind Bracing to the 19<sup>th</sup> Century Skyscraper." Third International Congress on Construction History, Cottbus, Germany, May, 2009.
- 2009 "Contemptible Details." Roundtable discussion with Edward Ford & Jonathan Ochshorn. 97<sup>th</sup> Annual Meeting, Association of Collegiate Schools of Architecture. Portland, OR, March, 2009.
- 2009 "Post-Mortem: Eight Years of Comprehensive Design Experiments and What Comes Next." (with Matthew Fisher and Gregory Palermo). 97<sup>th</sup> Annual Meeting, Association of Collegiate Schools of Architecture. Portland, OR, March, 2009.
- 2009 "Walking Nolli." (with Karen Bermann, Pete Gochè, and Christoph Kling). 97<sup>th</sup> Annual Meeting, Association of Collegiate Schools of Architecture. Portland, OR, March, 2009.
- 2009 Invited lecturer, "Architectural Engineering Studio/Portfolio I & II," Laurence Booth, Instructor. Northwestern University McCormick School of Engineering. January, 2009.
- 2008 "'It May be Well to Amend Mr. Sullivan's Statement:' Dankmar Adler's Response to 'The Tall Office Building Artistically Considered'" Society for the History of Technology Annual Meeting, Lisbon, Portugal, November, 2008.
- 2008 Invited lecturer in two classes at the University of Houston, Donna Kacmar and Joe Mashburn, instructors. September, 2008.
- 2007 "Jumbo Architecture: Design for Aviation in an Age of Extremes, 1965-1980." University of Technology-Sydney Department of Architecture and Building. Sydney, Australia, August, 2007.
- 2007 "Louis I. Kahn: Building Art, Building Science" International Advanced Architectural Design Program (week-long lecture series) Bauhaus-Universität Weimar, Weimar, Germany, May, 2007.

- 2007 "SCI-TECH: A Practice-Based, Integrative Approach to Building Technology Education" (with Jason Alread) Education Honor Awards Session, American Institute of Architect Annual Meeting San Antonio, TX, May, 2007.
- 2007 "Modes of Making: Fabrication Beyond Speculation." (Session co-chair with Prof. Chris Beorkrem, Asst. Prof., UNC-Charlotte). Association of Collegiate Schools of Architecture Annual Meeting, Philadelphia, PA, March, 2007.
- 2007 "ELL 0143 Tallinn-Copenhagen: 1215 hours local, 9 Oct 2006: Notes on the Cordial Relations Between Structure and Architecture" Keynote Speaker, Cal Poly San Luis Obispo Structural Forum, February, 2007.
- 2006 "The Crystalline Cage: The Evolution of the Chicago Skyscraper, 1871-1934." Dordt College, Sioux Center, IA, Department of Art Annual Lecture Series, November, 2006.
- 2006 "Unavoidable Nuisances": Conflict and Collaboration in the Works of August Komendant and Louis I. Kahn."  
"Kahn Days," Kuressaare, Estonia, October, 2006.  
College Art Association Annual Meeting , (Society of Architectural Historians Invited Session)  
Boston, MA, February, 2006
- 2006 "The Crystalline Cage: Plate Glass Production and the Skyscraper in Chicago, 1889-1904." Society for the History of Technology Annual Meeting, Las Vegas, NV, October, 2006
- 2006 "Push/Pull: Two Integrative Curricular Experiments" with Jason Alread, AIA. First Annual Building Technology Educators Symposium, College Park, MD, August, 2006.
- 2006 "Cross-Discipline, Cross Country: A Collaborative Design Studio Integrating Architecture and Engineering." with Kevin Dong, P.E., Cal Poly, San Luis Obispo ARCE Department American Society for Engineering Education Annual Meeting, Chicago, IL, June, 2006.
- 2006 "Buildings Without Walls: Curtain Wall Development in Chicago Buildings of the 1890s." Second International Congress on Construction History, Cambridge, England, March, 2006
- 2006 "Louis I. Kahn: Building Art, Building Science."  
University of Pennsylvania, PennDesign Lecture Series, April, 2006.  
Judson College Department of Architecture, Annual Lecture Series, February, 2006.
- 2005 "Louis I. Kahn: Building Art, Building Science."  
Houston AIA, Houston, TX, October, 2005.  
Prairie Avenue Bookshop, Chicago, IL, September, 2005.  
National Building Museum, Washington, D.C., July, 2005
- 2005 "Architecture's Other Culture: The Role of Building Science in Architectural History." (Session Co-Chair with Dr. Ted Cavanagh, Dalhousie University). Society of Architectural

- Historians Annual Meeting, Vancouver, BC, April, 2005.
- 2005 "Building Art, Building Science: The Technical Evolution of Louis I. Kahn's Yale Art Gallery" ACSA Annual Meeting, Chicago, IL, March, 2005
- 2004 "Jumbo Architecture" The 1970s: Designing Futures, The University of Melbourne, Melbourne, Australia, Sept. 2004
- 2004 "Country Comes to Town: The Iowa State Fair and the Civic Representation of Industrialized Agriculture." Society of Architectural Historians Annual Meeting, Providence, RI, April, 2004
- 2004 "'Joints Like Sculpture:' Louis I. Kahn's Richards Building and the 'Precisionist Strain.'" 92nd ACSA Annual Meeting, Miami, FL, March, 2004
- 2004 "Stanford University's Center for Clinical Sciences Research: A Case Study in Connecting the Two Cultures of Building Design." with Kevin Dong, P.E. ACSA Technology Conference, Miami, FL, March, 2004
- 2004 "Hollow Stones, Extruded Shells: Evolutionary Process in the Servant/Served Dialogues of Louis I. Kahn." ACSA Technology Conference, Miami, FL, March 2004
- 2004 "SCI-TECH: An Integrative Approach to Building Design, Culture and Technology." with Jason Alread, AIA. ACSA Technology Conference, Miami, FL, March 2004
- 2003-2004 "The Montreal Studio: A Comprehensive Approach to Comprehensive Design" with Matthew Fisher and Gregory Palermo, FAIA. 92nd ACSA Annual Meeting, Miami, FL, March, 2004
- ACSA SE Regional Meeting, Tampa, FL, November, 2003.
- ACSA SW Regional Meeting, Houston, TX, November, 2003
- 2003 "From Jetport to Worldport: The Pan Am Terminal at Idlewild and the Transition from Jet Age to Space Age." Society of Architectural Historians Annual Meeting, Denver, CO, April 2003
- 2002 "Just What is it that Makes Today's Capsule Homes So Different, So Appealing? Domesticity and the Technological Sublime." ACSA Technology Conference, Portland, OR, October, 2002
- 2002 "Capsule/Gantry: Two New Archetypes in the Architecture of the 1960s" ICRAM/Alvar Aalto Conference, Jyväskylä, Finland, August, 2002
- 2002 "Universal Space, International Style: Mies van der Rohe's Bacardi Project and the Long Span Ideal." ACSA International Conference, Havana, Cuba, June, 2002
- 2002 "Things in Their Best Order: Technical Aspects of the Salk Institute and their Role in its Design." 90th ACSA Annual Meeting, New Orleans, LA, April, 2002
- 2001-2002 "Form as Diagram of Forces: The Equiangular Spiral in the Roof Forms of Pier Luigi Nervi." 90th ACSA Annual Meeting, New Orleans, LA, April, 2002

- ACSA East Central Regional Conference, University of Waterloo, Ontario, Canada, October, 2001.
- 2001 "Beihane Nicht: Transparency Versus Ephemerality in Postwar Modernism"  
ACSA Technology Conference, Austin, TX, July, 2001.  
27th Annual Conference, Association of Art Historians, Oxford, England, March, 2001.
- 2001 "Energetic Geometries: The Dymaxion Map and the Transformation of Buckminster Fuller's Radical Pragmatism." 89th ACSA Annual Meeting, Baltimore, MD, March, 2001
- 2000 "Chanting the Square Deific: Themes of the Sacred and Profane in the Prairie School Work of Frank Lloyd Wright." 2000 ACSA East Regional Conference, Ann Arbor, MI, Nov., 2000
- 2000 "Structural Ingenuity in the Work of Ove Arup and Foster and Partners" with Kevin Dong, P.E., OAP SF. AIA Wisconsin Annual Convention, Madison, WI, Apr., 2000
- 1999 "Holistic Design: The Integration of Architecture and Engineering" with Kevin Dong, P.E., Eric Ko, P.E., and Jonathan Markowitz, P.E., OAP SF. AIA National Convention, Dallas, TX, Jun., 1999
- 1998 "Foster and Partners: Recent Work"  
Washington State University School of Architecture Lecture Series, Pullman, WA, Dec. 1998
- 1998 "Green Design in the Work of Foster and Partners"  
United Nations NGO on Climate Change Sponsored Lecture, NYC, NY, Apr., 1998
- 1997 "Ecological Design in the Work of Foster & Partners" with Nigel Dancy  
U.S. Green Building Council Annual Conference, Miami, FL., Nov., 1997
- 1997 "The Two Cultures of Architecture" Annual Structural Engineering Forum, California Polytechnic University, San Luis Obispo. San Luis Obispo, CA, Feb., 1997

## Service

- Current Editorial Advisory Board, *TAD*  
Editorial Advisory Board, *Journal of Construction History*  
Editorial Advisory Board, *Journal of Illinois History*  
Scientific Committee, SIXXI Program on 20<sup>th</sup> Century History of Italian Engineering  
Reviewer, *Journal of Architectural History*, *Histories of Postwar Architecture*  
Chair, Departmental Graduate Committee  
Departmental Associate Chair, Academic Affairs/Outreach  
Departmental Executive Cabinet  
Departmental Promotion and Tenure Committee  
Mentor to seven graduates in the NCARB Intern Development Program
- 2018 Chair, Scientific Committee, Construction History Society of America,  
6<sup>th</sup> Biennial Meeting, College Park, MD. May, 2018.  
  
Scientific Committee, 6<sup>th</sup> International Congress on Construction History,  
Brussels, Belgium. July, 2018.

2017	Chair, Scientific Committee, BTES Annual Meeting, Des Moines, IA, June, 2017
2015-2017	Thesis Examiner, University of Melbourne School of Graduate Research
2014-2015	Scientific Committee, Local Committee Chair, and Session Chair, 5 <sup>th</sup> International Congress on Construction History, Chicago, IL.
2007-2015	Secretary, Construction History Society of America
2007-2012	ACSA Faculty Councilor Board Member, Building Technology Educators' Society
2012	Scientific Committee and Session Chair, 4 <sup>th</sup> International Congress on Construction History, Paris, France. Scientific Committee, Biennial Meeting, Construction History Society of America, Boston, MA Thesis Examiner, University of Melbourne School of Graduate Research
2011	Jury Chair, Virginia AIA Research Awards
2010	Guest Juror, Thesis Reviews, Catholic University, Washington, D.C. Guest Juror, Third Year Reviews, Illinois Institute of Technology
2009	Guest Juror, Kossman Thesis Reviews, Penn State University Guest Juror, Thesis Reviews, University of North Carolina, Charlotte Panelist, <i>Journal of Architectural Education</i> Roundtable, ACSA 97 <sup>th</sup> Annual Meeting Reviewer, ACSA Annual Meeting University Review Committee, NEH Summer Stipend Awards Collegiate Faculty Recognition Committee Chair, Departmental Faculty Search Committee Departmental Nomenclature/Budget Committee
2008	Dissertation Committee, Inge Bertels, Katholieke Universiteit Leuven, Belgium Chair, ACSA Subcommittee on Peer Review Speaker, ISU New Student Programs Orientation Reviewer, <i>Art History</i>
2007	Guest Juror, Undergraduate Reviews, University of Illinois-Chicago Reviewer, NEH Summer Stipend Awards Reviewer, ACSA Southeast Conference Reviewer, ACSA Annual Meeting
2006-2007	Interim Director of Graduate Education, ISU Department of Architecture Speaker, ISU New Student Programs Orientation
2004-2007	Editorial Board, <i>Journal of Architectural Education</i>
2001-2007	Chair, Departmental Substantive Area (Technology) Representative, Departmental Curriculum Committee
2001-2006	Faculty Sponsor, AIAS/ISAO Chapter
2006	Guest Juror, Graduate Reviews, Arizona State University

2002-2006	University Graduate College Curriculum and Catalog Council College of Design Academic Affairs Council
2005	Guest Juror, Graduate Thesis Reviews, Clemson University Dissertation Committee, Peter Raisback, University of Melbourne, Australia
2002-2004	Chair, Departmental Curriculum Committee
2004	Chair, College of Design Task Force on Design Science Guest Juror, Alfred Taubman School of Architecture, University of Michigan
2003	Chair, College of Design Task Force on Design Science Co-Chair, College of Design United Way Campaign Chair, Departmental Faculty Search Committee Department of Landscape Architecture Faculty Search Committee
2002	Departmental Promotion and Tenure Committee Departmental Faculty Search Committee
2001	Departmental Promotion and Tenure Committee

## Memberships

Member	American Historical Association
	American Institute of Architects
	Society of Architectural Historians
	Construction History Society/Construction History Society America
Registration	State of Iowa, Licensed Architect #5499
	NCARB Certificate 37618

## Practice, Extension, and Creative Work (includes work with Foster and Partners)

2012-2013	Kupfer Residence Extension, Ames, IA
2012	Design-Build, "Elevation Station" for breadandcup, Omaha, NB (with Leah Rudolphi)
2012	New prep and service area planning, Café Diem, Ames, IA (with Leah Rudolphi)
2009	Library Expansion Citizens' Committee, Ames Public Library, Ames, IA
2005-2013	Historic Preservation Commission, Ames, IA
2004-2007	Carl Goy Residence, Grand Rapids, MI (unbuilt)
2007	Design Guidelines and Architectural Assessment Nomination of Martin House, Ames, IA, as a Local Historic Landmark
2007	Renovation of 822 Brookridge Ave., Ames, IA

2006	Design Guidelines and Architectural Assessment Nomination of Adams House, Ames, IA as a Local Historic Landmark
2005	Design Guidelines and Architectural Assessment Nomination of Roosevelt School, Ames, IA as a Local Historic Landmark (with Clare Cardinal-Pett and James Pritchard)
2003-2004	Campus Garage (Renovation of 1960s automobile service station, Ames, IA.) (collaboration with Jason Alread)
2003	Renovation of a 1926 Sears Catalogue House, 1207 Roosevelt Ave., Ames, IA.
2002	"A:House", Balsamo Residence, Downers Grove, IL (schematic design)
2002	Waterford North Quays International Competition, Waterford, Ireland.
2001	Flemington Jewish Community Center Competition, Flemington, NJ.
1996-2000	Center for Clinical Sciences Research, Stanford University (Foster and Partners) Site Architect
1994-1996	Al Faisaliah Banquet and Conference Center, Riyadh, Saudi Arabia (Foster and Partners) Project Architect
1993-1994	Joslyn Art Museum, Omaha, NB (Foster and Partners) Team Architect

## Teaching

Spring, 2018	DSN S 546. Interdisciplinary Studio. Courthouse/Mixed Use, Des Moines, IA.
Fall, 2017	Arch 603/403. Integrated Design Studio, taught in collaboration with Lee Cagley. Amador Hotel, Panama City, Panama. Field trip to Panama City. 6 cr.  Arch 458/558. Professional Practice, taught in collaboration with Ann Sobiech-Munson and Leslie Forehand. 3 cr.
Spring, 2017	Arch 517x, 1a & 1b. "Big and Tall: Construction History from the Pyramids to the Burj." 3 cr.
Fall, 2016	Arch 603/403. Integrated Design Studio, taught in collaboration with Lee Cagley. Amador Hotel, Panama City, Panama. Field trip to Panama City.  <i>Catie McClurg and Connor Yocum, First Prize, Twelfth Annual CSI Prize Competition</i>  <i>Sinisha Dalijevic, Sankalp Gupta, and Miranda Spears, Finalists, Hospitality Design Annual Student Design Competition</i>  <i>Weicheng Chen and Anastasia Sysoeva, Winners, Hospitality Design Annual Student Design Competition</i>

- Arch 423. Topics in Renaissance to Eighteenth Century Architecture. 3 cr.
- Summer, 2016 Arch 507, Graduate Studio/Media III. 5 cr.  
"Hands-On, Hands-Off: Digital and Analog Representation." With Leslie Forehand.
- Spring, 2016 Arch 517x, 1a & 1b. "Big and Tall: Construction History from the Pyramids to the Burj." 3 cr.  
  
Independent Study, Aikebai Eblumiti and Zhengyang Hua, "Performing Arts Center, Chicago, IL." ACSA/AISC Steel Competition.  
Independent Study, Kyle Vansice and James Elliott, ACSA/AISC Steel Competition
- Fall, 2015 Arch 603, Graduate Integrated Design Studio. 6 cr.  
King Street Station Hotel, Seattle, WA. Field Trip to Seattle.  
  
Arch 643, Graduate SCI-TECH. 3 cr.
- Summer, 2015 Arch 507, Graduate Studio/Media III. 5 cr.  
"Perfect Works of Architecture: Inhabitation/Revitalization of Historic Iowa Structures."
- Spring, 2015 Arch 528b, 1a & 1b. "Big and Tall: Construction History from the Pyramids to the Burj." 3 cr.  
  
Independent Study, Morgan Clark, Holly Pohlmeier, Nyssa Hughes, "perFORM: Dance Theater/Barge, River Spree, Berlin, Germany."  
Independent Study, Rachel Cuthbert & Ming Duong, "Omaha Library."  
Independent Study, Hanwei Fan, Xiao Wang, and Yifeng Guo, "Miami Soccer Stadium."
- Fall, 2014 *Second Place, ACSA/AISC Steel Competition.*  
Arch 603, Graduate Integrated Design Studio. 6 cr.  
Center for Experimental Music, Chicago, IL. Field Trip to Chicago.  
  
Arch 643, Graduate SCI-TECH. 3 cr.
- Summer, 2013 Arch 507, Graduate Studio/Media III. 5 cr.  
Inhabitation/Revitalization of Historic Iowa Structures  
  
Independent Study, Abigail Caldwell, "Affordances."  
Independent Study, Gentina Patton, "Dubuque Hotel."
- Spring, 2013 DSN 446/546, Interdisciplinary Option Studio. 6 cr.  
High Rise, Chicago, IL  
Field Trip to Chicago  
  
Arch 644, Graduate SCI-TECH IV (1/2). 3 cr.  
Arch 542, Graduate SCI-TECH II (1/2, co-taught with Charles Saul). 5 cr.  
  
Independent Study, Greg Uhrich, "Seattle Arena."  
Independent Study, Andrew Sundal, "Pedestrian Bridge, Seattle."
- Fall, 2012 Arch 403/603, Comprehensive Design II. 6 cr.  
Downtown Symphony Center, Boston, MA  
Level Co-coordinator, Field trip to Boston

- Arch 643, Graduate SCI-TECH III. 3 cr.
- Spring, 2012 Arch 302, Third Year Design Studio. 6 cr.  
SoHo Housing, NYC, NY  
Level Co-coordinator, Field trip to New York
- Arch 542, SCI-TECH II. 5 cr.
- Fall, 2011 Arch 403/603, Comprehensive Design II. 6 cr.  
Downtown Symphony Center, Boston, MA  
Level Co-coordinator, Field trip to Boston
- Xin Wu and Cijie Cao, First Prize, 7<sup>th</sup> Annual CSI Iowa Design Award*  
*Alex Michl and Michael VanDer Ploeg, Second Prize, 7<sup>th</sup> Annual CSI Iowa Design Award*
- Arch 643, Graduate SCI-TECH III. 5 cr.
- Summer, 2011 Arch 507, Graduate Studio/Media III. 5 cr.  
Inhabitation/Revitalization of Historic Iowa Structures
- Spring, 2011 American Philosophical Society Sabbatical Fellow
- Independent Study, Rachele Partridge, Shaghayegh Missaghi, and Mallory Furlong.  
"frame:WORK. Transitional Housing, Detroit, MI."  
Independent Study, Shaghayegh Missaghi and Ryan Gauquie, "Digital Reconstruction of  
Historic Chicago Skyscrapers."
- Fall, 2010 Arch 403, Comprehensive Design II. 6 cr.  
Velodrome, Boston, MA  
Level Co-coordinator, Field trip to Boston
- Kayla Ohrt and Jackson Den Herder, Second Prize, 6<sup>th</sup> Annual CSI Iowa Design Award*  
*Anna Jones and Kristen Reihl, Third Prize, 6<sup>th</sup> Annual CSI Iowa Design Award*
- Arch 643, Graduate SCI-TECH II. 5 cr.
- Structures module, Arch 245, Undergraduate SCI-TECH I. 5 cr.  
Thesis Advisor, Leah Rudolphi, "Cognitive Details."  
Thesis Committee, Kyoungmee Byun, "Community Building in a Cultural District as a  
Medium for Creating Intimacy and Social Affiliation with Interiors."  
Independent Study, Ben Holst, "Integrated Project Delivery."  
Independent Study, Matthew Morgan, "Details and Representation."
- Summer, 2010 Arch 404, Option Studio. 6 cr.  
IMCA Spectator Facilities, Boone Speedway, Boone, IA
- Spring, 2010 Faculty Professional Development Assignment  
Dept. of Civil and Environmental Engineering,  
Northwestern University, McCormick School of Engineering
- CIV ENV 395 & 396, Architectural Engineering and Design II & III  
Assisted Prof. Laurence Booth, FAIA
- Fall, 2009 Arch 403, Comprehensive Design II. 6 cr.

- New Media Library, Boston, MA  
Level Co-coordinator, Field trip to Boston
- Justine Bangert and Kiel Uhl, First Prize, 5<sup>th</sup> Annual CSI Iowa Design Award*
- Arch 643, SCI-TECH II. 5 cr.
- Independent Study, John Pepper, "Chicago Riverfront Hotel."  
Independent Study, John George, "Big Box Re-Use."
- Thesis Committee, Xue Yu, "Sensory Study in Restaurant Interior Design."
- Summer, 2009 Arch 507, Graduate Studio/Media III. 5 cr.  
Inhabitation/Revitalization of Historic Iowa Structures
- Spring, 2009 Dsn S 446/546, Interdisciplinary Studio with Cigdem Akkurt, Professor, Interior Design. 6 cr.  
Hotel/Mixed Use complex, Chicago, IL  
Field trip to Chicago
- Hilary Navratil, Stephanie Smothers, and Steven Sanda, Finalist, Hospitality Magazine National Student Competition*
- Arch 542/644, SCI-TECH II/IV. 5 cr.
- Arch 528b, "Physics and Form." 3 cr.
- Independent Study, Jennifer Ross, "Marketing and Architecture"  
Independent Study, Sarah Burnett, "Sustainability Literature Search"
- Fall, 2008 Arch 401, Comprehensive Design I. 6 cr.  
Glass Arts Seattle Fellows Center, Seattle, WA  
Level Co-coordinator, Field trip to Seattle
- Jessica Ehltz and Kirsten Kruse, 1<sup>st</sup> Prize, Pella Design Competition*  
*Alex Hale and Kevin Wagner, 2<sup>nd</sup> Prize, Pella Design Competition*
- Arch 541/ 643, SCI-TECH I/III. 5 cr.
- Independent Study, Christina Clementi, Performing Arts Center, Stevens Point, WI  
Independent Study, Sarah Burnett, Intermodal Transit Station, San Diego, CA  
Independent Study, Steve Sanda, "Automated Design"  
Independent Study, Jenni Whitney, Transit Station, Chicago, IL  
Independent Study, Shea Nelson, Meat Packing Facility, Marhalltown, IA
- Spring, 2008 Arch 402, Rome Studio. 6 cr.  
"Perfect Works of Architecture"
- Arch 435, Rome Sketchbook. 3 cr.
- Fall, 2007 Arch 401, Fourth Year Design Studio. 6 cr.  
New Media Library, Boston, MA  
Level Co-coordinator, Field trip to Boston

*Dustin Hanford and Emily Wulf, 2nd Prize, 4th Annual CSI Iowa Design Award*

Arch 528b, "Physics and Form." 3 cr.

Arch 528d (1/3) Integrated Design Workshop. 3 cr.

Independent Study, Tyler Jessen, "Re-Fabrication"

Independent Study, Joe McElwain, "Music and Architecture"

Independent Study, Chris MacIntosh, "Community Center, Colo, Iowa"

Independent Study, Lauren Lynn, "Portland Eco-Development Competition"

Summer, 2007

Arch 507, Studio/Media III. 5 cr.

Inhabitation/Revitalization of Historic Iowa Structures

11362, Special Project (Technology) [studio at University of Technology-Sydney]

Gliderport, Cockatoo Island, Sydney Harbor, Australia

Spring, 2007

DSN S 446/546, Interdisciplinary Option Studio. 6 cr.

"Museum of Steel," AISC Steel Competition

with Architectural Engineering Studio at Cal Poly, San Luis Obispo

*2007 RDG/Bussard Dikis Award for top undergraduate project, Clay Gish and Brian Ogle*

Arch 542, SCI-TECH II. 5 cr.

Independent Graduate Project, Zach May, ACSA Preservation Competition, Cranbrook

Independent Graduate Project, Liz Wardzinski, Red Oak Calendar Company Renovation

Fall, 2006

Arch 544, SCI-TECH IV. 3 cr.

Arch 528N, Integrated Design Workshop (1/3). 3 cr.

DSN S 171x, Design Science (co-ordinator). 3 cr.

Diploma Project, Kristi Krueger, Eco-Lodge, Minneapolis, MN

Diploma Project, Mike Cady, Bamboo Bridge, London, UK

Diploma Project, Allison Falconer, Winery, Red Wing, MN

Diploma Project, Nathan Potratz, Ryan LeFevre, Jarrod Siegel, & Chris Carotta, Chapel Addition, Martin Luther College, New Ulm, MN

Spring, 2006

Arch 403/404, Design Studies 446/546, Interdisciplinary Option Studio. 6 cr.

"Community Aquatics Center," AISC Steel Competition

with Architectural Engineering Studio at Cal Poly, San Luis Obispo

Arch 542, SCI-TECH II. 5 cr.

Independent Graduate Project, Kevin Scott

"Design-Build & Furniture Production"

Fall, 2005

Arch 401, Fourth Year Design Studio. 6 cr.

"Mediatheque du Quebec," Montreal, Quebec

Level Co-coordinator, Field trip to Montreal

*Matthew Bindner & Cody Knopp, 3rd Prize, 2nd Annual CSI Iowa Design Award*

Arch 545x, SCI-TECH IV (2/3). 3 cr.

Arch 541x, SCI-TECH I (1/3). 5 cr.

Diploma Project, Andrew Gleeson, "Banks and Bank Robbers"

Independent Graduate Project, Leah Rudolphi, "LIFFE Exchange, Spitalfields, London, England"

Independent Graduate Project, Kent Brockman and Doug Conroy

"Off-Grid Settlement, Rural Missouri."

Summer, 2005 Arch528k, "Writing About Architecture" (with Ann Sobiech-Munson). 3 cr.

Spring, 2005 Arch 602/404, Graduate (Comprehensive) Studio, Undergraduate Option Studio. 6 cr.  
"Gliderport," Brisbane, California with Architectural Engineering Studio at Cal Poly, SLO

Arch 542, SCI-TECH II. 5 cr.

Major Professor, Yijun Deng, "Suburban Development, Shanghai, PRC."

Major Professor, Darlene Gluck, "Teaching Laboratory, Georgetown University"

Independent Study, Zachary Helmers, "Teaching Lab, Georgetown University, Washington, DC."

Independent Study, Dirk Mongrieg, "Briggs Barn, Hamilton County, IA."

Thesis Committee, JaDee Goering, Beay Fey, Ryan Kranz, Brent Sevcik and Meredith White, "Jewell Country Club Design-Build, Jewell, IA".

Fall, 2004 Arch 401, Fourth Year Design Studio. 6 cr.  
"Mediatheque du Quebec," Montreal, Quebec  
Level Co-coordinator, Field trip to Montreal

*Tonia Sorenson and Kristin Jensen, 1st Prize, 1st Annual CSI Iowa Design Award*

*Anna Aversing and Chris Behrens, 2nd Prize, 1st Annual CSI Iowa Design Award*

Arch 528g, Integrated Design Laboratory (1/2). 3 cr.

Arch 545x, SCI-TECH IV (2/3). 3 cr.

Arch 541x, SCI-TECH I (1/3). 5 cr.

Spring, 2004 Arch 602 / LA 301, Second Year Graduate Studio / Undergraduate LA Studio. 6 cr.  
ACSA Wood Competition, Farmer's Market, Boston, MA  
(Team-taught with Julia Badenhope and Jamie Horwitz)

*Honorable Mention in competition awarded to "market2go,"*

*Zachary Helmers, Amanda Sanders, Halef Gunawan*

Arch 542x, SCI-TECH II. 5 cr.

Independent Study, Sara Esser, "Kansas City Office Tower, Louis I. Kahn, Architect"

Independent Study, Asa Plum, "Residence, Grand Isle, LA."

- Fall, 2003
- Arch 401, Fourth Year Design Studio. 6 cr.  
Digital Media Research Laboratory, University of Quebec at Montreal, Montreal, Quebec.  
Level Coordinator. Field Trip to Montreal.
- Arch 528G, Integrated Design Workshop. 3 cr.
- Arch 541x, SCI-TECH I. 5 cr.
- Major Professor, Premnath Sundaram, "Classroom Building: College of the Desert, Palm Desert, CA."  
Major Professor, Kris Nelson, "Transit Hub/Commercial Zone, Omaha, NB"  
Major Professor, James Leach, "Foundations Studios, Iowa State University"  
Major Professor, Brooke Jacobson, "Renovation of Grain Elevators—St. Paul Farmer's Market, St. Paul, MN"
- Thesis Committee, Ricardo Romero-Quintero, "Refugee Transitional Housing, Des Moines, IA."  
Thesis Committee, Deepak Makarla (Con. E.) "I-235 Phasing"
- Independent Study, Jesse Bulman, "Residential Technology"  
Independent Study, Velimir Menjulov, "Agricultural Architecture"
- Summer, 2003
- Arch 528G, Integrated Design Workshop. 3 cr.
- Spring, 2003
- Arch 602, Second Year Graduate Design Studio. 6 cr.  
Gliderport, Ames Municipal Airport
- Arch 528G, Physics and Form. 3 cr.  
Historical relationship between building form and technology.
- Major Professor, John Guerber, "Modular Housing"  
Major Professor, Max Lee:, "Suspended Housing, Red Rock Lake, Iowa"
- Major Professor, Chen Lin, "Environmental Housing, Beijing, China"
- Independent Study, Adam Jonas, "Mental Health Center, Minneapolis, MN."  
Independent Study, Chris Joyner, "Plastic Surgery Institute/Health Club, New York, NY."
- Fall, 2002
- Arch 401, Fourth Year Design Studio. 6 cr.  
Digital Media Research Laboratory, University of Quebec at Montreal, Montreal, Quebec.  
Level Coordinator. Field Trip to Montreal.
- Arch 528G-1, Integrated Design Laboratory. 3 cr.  
Workshop course focusing on combination of technical and architectural aspects in studio projects.
- Major Professor, Eric Requist: "Walrus Architecture"
- Thesis Committee, Zhe Hu: "Beijing Astronomical Observatory."  
Thesis Committee, Melissa Leek (Construction Engineering), "Utilities Replacement Scheduling, I-235 Construction, Des Moines, IA."

- Spring, 2002      Arch 402, Fourth Year Design Studio. 6 cr.  
Little Tokyo/SCI-ARC Branch Library, Los Angeles, CA. Level Coordinator. Field Trip to Los Angeles.
- Arch 528G-1, Integrated Design Laboratory. 3 cr.  
Workshop course focusing on combination of technical and architectural aspects in studio projects.
- Thesis Committee, Lakshmi Sundaram, "Hindu Temple Design"
- Fall, 2001      Arch 401, Fourth Year Design Studio. 6 cr.  
Digital Media Research Laboratory, University of Quebec at Montreal, Montreal, Quebec.  
Field Trip to Montreal.
- Arch 528G, Physics and Form. 3 cr.  
Historical relationship between building form and technology.
- Thesis Committee, Monish Sarkar, "Intelligent Building."
- Spring, 2001      Arch 404, Fifth Year Design Studio. 6 cr.  
Longspan: Drake University Stadium Reconstruction
- Arch 232, Digital Communication. 3 cr.  
Introduction to Form-Z, Photoshop, Adobe Freehand.
- Freshman Honors Independent Study, Julie Halverson, "Residential Construction."
- Fall, 2000      Arch 301, Third Year Design Studio. 6 cr.  
Barch Farm Youth Home, Dubuque, IA. Field Trip to Dubuque.
- Arch 230, Graphic Communication. 3 cr.  
Introduction to three-dimensional drawing.