

Thomas Leslie, AIA

Department of Architecture
156 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
Associate Professor (Tenured, 2006). Focus on integration of technology, theory, and design in both studio and lecture/seminar courses. ACSA Councilor, 2009-present. History of Technology and Science Program Contributing Faculty, 2006-present. Associate Chair for the Undergraduate Program (interim), 2009. 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.
- 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 and Awards

2011 (awarded)	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)
2010	Faculty Professional Development Assignment (sabbatical) Iowa State University Office of the Executive Vice President and Provost, Spring, 2010
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 Building Architects Construction Book of the Year Long List (one of 20 nominated)
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

- In progress* "A Great Architectural Problem:" *The Technical Evolution of the Chicago Skyscraper, 1871-1934.*
- In progress* "John Spoor Broome Library," "Fortaleza Hall," "Chicago Tower," and "MGM City Center." (essays). *Norman Foster: Works 7* (Berlin: Prestel)
- 2012 (*invited*) "Environmental Education," in Joan Ockman, ed., *Schooling Architecture*. (Washington; ACSA).
- 2011 (*pre-publication*) "'Hollow Stones, Hollow Floors: Structure, Space, and Services in Louis Kahn's Floor Systems," In Roberto Gargiani, ed., *Architraves, Platbands, and Floors*. (Lausanne: PPUR).
- 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 *Design-Tech: Building Science for Architects*
Jason Alread, co-author (Oxford, UK: Architectural Press)
- 2005 *Louis I. Kahn: Building Art, Building Science*
(New York: George Braziller)

Journal Articles

- 2010 (*accepted*) "'Built Mostly of Itself: The Chicago Brick Industry and the Masonry Skyscraper in the Late 19th Century.'" *Construction History*. 25. 2010.
- 2010 (*forthcoming*) "Henry Ives Cobb and the Chicago 'Postoffice Botch.'" *The Journal of Illinois History*. 13:4. Winter, 2010.
- 2010 (*forthcoming*) "'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. October, 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)

- 2010 (forthcoming) Review of Gail Fenske, *The Skyscraper and the City. Technology and Culture.*
- 2010 (forthcoming) Review of Susan G. Solomon, *Louis I. Kahn's Jewish Architecture. Shofar: The Journal of Interdisciplinary Jewish Studies.*
- 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 Nuhklused: 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 "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.

Citations/Publications about (including work done with Foster and Partners)

- 2010 Michael Morain, "Meier wing: iconic or out of place?" *Des Moines Register*, August 22, 2010
- 2009 Robert McCarter, "Louis I. Kahn and the Nature of Concrete." *Concrete International*, Vol. 31, no. 12. 26-33
- 2009 Joanna Merwood-Salisbury, *Chicago 1890: The Skyscraper and the Modern City*. (Chicago: University of Chicago Press, 2009). 101.
- 2008 Ben Stringer and Jane McAllister, "Angels of Suburbia." *Architectural Research Quarterly*, Volume 12, Issue 3-4. 249-254.
- 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 Kiel Moe, "Extraordinary Performances at the Salk Institute for Biological Studies." *Journal of Architectural Education*, Vol. 61, no. 4. May, 2008. 17-24.
- 2008 Stuart W. Leslie, "A Different Kind of Beauty: Scientific and Architectural Style in I. M. Pei's Mesa Laboratory and Louis Kahn's Salk Institute." *Historical Studies in the Natural Sciences*, Vol. 38, No. 2, 173-221.
- 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 Andrew Saint, *Architect and Engineer: A Study in Sibling Rivalry* (New Haven: Yale, 2007). 402-409.
- 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 Dirk Huylebrouck, Jin-Ho Park, Yongsun Joo, and Jae-Guen Yang, "The Mathematical Tourist: Cycloids in Louis I. Kahn's Kimbell Art Museum at Fort Worth, Texas." *The Mathematical Intelligencer*, Vol. 29, no. 2. June, 2001. 42-48.
- 2007 "Libri e Riviste." [Review of *Louis I. Kahn: Building Art, Building Science*.] *Casabella*, no. 752. February, 2007. 98.
- 2006 Marc Treib, "To End a Continent: The Courtyard of the Salk Institute." *Journal of the Society of Architectural Historians*, Vol. 65, No. 3 (Sep., 2006), pp. 402-427
- 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
- 2002 "Norman Foster: Center for Clinical Sciences Research, Stanford University, California." *Lotus International*, n. 112. 38-41.
- 2001 Lisa Findley, "Court of Appeals: Research Centre, Stanford." *World Architecture*, Nov.-Dec. 2001, no. 101. 24-29.
- 2001 Lisa Findley, "Solar Protection in Norman Foster's Hands Creates an Elegant Gathering Place for Scientists at Stanford University's New Center for Clinical Sciences." *Architectural Record*, June, 2001, v. 189, no. 6. 130-137.
- 2001 "Center for Clinical Science Research [sic.], Stanford University, Stanford, California, USA." *GA Document*, Jan., 2001, n. 64. 66-73
- 2000 Michael Barnes and Michael Dickson, "The Evolution of Longspan Lightweight Structures." (Al Faisaliah Center, Riyadh, Saudi Arabia)
Widespan Roof Structures (London: Thomas Telford Publishing, 2000) 7-16
- 2000 Peter Fagan, "Arabian Heights." (Al Faisaliah Center, Riyadh, Saudi Arabia.) *World Architecture*, July-Aug, 2000, no. 88. 49.
- 1999 "Concrete Quarterly." (Al Faisaliah Center, Riyadh, Saudi Arabia.) *Architect's Journal*, Dec. 2-9, 1999. v. 210, n. 21 (suppl.) 1-16.
- 1996 "Norman Foster: Joslyn Art Museum New Wing, Omaha, Nebraska." *A+U: Architecture and Urbanism*, July, 1996, n. 7 (310), 84-93
- 1995 John Welsh. "Art of Stones: Sir Norman Foster and Partners' Joslyn Art Museum, Nebraska." *RIBA Journal*, January, 1995, vol. 102, n. 1. 30-35.
- 1995 Annette Le Cuyer. "Art of Understatement." (Joslyn Art Museum, Omaha, NB.) *Architectural Review*, Aug., 1995, vol. 198, n. 1182, 45-51.
- 1995 "Joslyn Art Museum, Omaha, Nebraska." *Iowa Architect*, Winter, 1995, n. 214, 21.
- 1995 Joseph Giovanni, "American Debut: Joslyn Art Museum Addition, Omaha, Nebraska." *Architecture*, December, 1994, vol. 83, no. 12. 66-71

Presentations

- 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 "Plate Glass Production and Skyscraper Design in Nineteenth Century Chicago Skyscrapers." Association for Preservation Technology, Western Great Lakes Chapter. Chicago, IL, April, 2010
- Goettsch Partnership Continuing Education Lecture, 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 19th Century Skyscraper." Third International Congress on Construction History, Cottbus, Germany, May, 2009.
- 2009 "Contemptible Details." Roundtable discussion with Edward Ford & Jonathan Ochshorn. 97th 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). 97th Annual Meeting, Association of Collegiate Schools of Architecture. Portland, OR, March, 2009.
- 2009 "Walking Nolli." (with Karen Bermann, Pete Gochè, and Christoph Kling). 97th 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 Proto-Modern 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/JFK and the Transition from the Jet Age to the 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, 1945-2000." 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	Secretary, Construction History Society of America ACSA Faculty Councilor Departmental Associate Chair, Academic Affairs/Outreach Departmental Undergraduate Committee Departmental Graduate Committee Departmental Executive Cabinet Mentor to seven graduates in the NCARB Intern Development Program Thesis Examiner, Millinda Pathiraja, University of Melbourne School of Graduate Research
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 th 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

2001 Departmental Faculty Search Committee
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 California, Licensed Architect #27826
State of Iowa, Licensed Architect #5499
NCARB Certificate 37618

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

2009 Library Expansion Citizens' Committee, Ames Public Library, Ames, IA

2005-present Historic Preservation Commission, Ames, IA

2004-2007 Carl Goy Residence, Grand Rapids, MI (unbuilt)

2007 Design Guidelines and Architectural Assessment
Proposed 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
Proposed Nomination of Adams House, Ames, IA as a Local Historic Landmark

2005 Design Guidelines and Architectural Assessment
Proposed 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.

2000 California History Museum Competition, Fresno, CA

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

Fall, 2010 Arch 403, Comprehensive Design II
Velodrome, Boston, MA
Level Co-coordinator, Field trip to Boston

Arch 643, Graduate SCI-TECH II

Structures module, Arch 245, Undergraduate SCI-TECH I

Summer, 2010 Arch 404, Option Studio
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
New Media Library, Boston, MA
Level Co-coordinator, Field trip to Boston

Justine Bangert and Kiel Uhl, First Prize, 5th Annual CSI Iowa Design Award

Arch 643, SCI-TECH II

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."
Thesis Committee, Kyoungmee Byun, "Community Building in a Cultural District as a Medium
for Creating Intimacy and Social Affiliation with Interiors."

Summer, 2009 Arch 507, Graduate Studio/Media III.
Inhabitation/Revitalization of Historic Iowa Structures

Spring, 2009 Dsn S 446/546, Interdisciplinary Studio with Cigdem Akkurt, Professor, Interior Design.
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 III/IV

Arch 528b, "Physics and Form"

Independent Study, Jennifer Ross, "Marketing and Architecture"
Independent Study, Sarah Burnett, "Sustainability Literature Search"

Fall, 2008 Arch 401, Comprehensive Design I
Glass Arts Seattle Fellows Center, Seattle, WA
Level Co-coordinator, Field trip to Seattle

*Jessica Ehls and Kirsten Kruse, 1st Prize, Pella Design Competition
Alex Hale and Kevin Wagner, 2nd Prize, Pella Design Competition*

Arch 541/ 643, SCI-TECH I/III

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
 "Perfect Works of Architecture"

Arch 435, Rome Sketchbook

Fall, 2007

Arch 401, Fourth Year Design Studio
 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"

Arch 528d (1/3) Integrated Design Workshop

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
 Inhabitation/Revitalization of Historic Iowa Structures

I 1362, Special Project (Technology) [studio at University of Technology-Sydney]
 Gliderport, Cockatoo Island, Sydney Harbor, Australia

Spring, 2007

DSN S 446/546, Interdisciplinary Option Studio
 "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

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

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

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

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 LeFeve, Jarrod Siegel, & Chris Carotta, Chapel Addition,
 Martin Luther College, New Ulm, MN

Spring, 2006

Arch 403/404, Design Studies 446/546, Interdisciplinary Option Studio
 "Community Aquatics Center," AISC Steel Competition
 with Architectural Engineering Studio at Cal Poly, San Luis Obispo

- Arch 542, SCI-TECH II
- Independent Graduate Project, Kevin Scott
"Design-Build & Furniture Production"
- Fall, 2005 Arch 401, Fourth Year Design Studio
"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)
- Arch 541x, SCI-TECH I (1/3)
- 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)
- Spring, 2005 Arch 602/404, Graduate (Comprehensive) Studio, Undergraduate Option Studio
"Gliderport," Brisbane, California with Architectural Engineering Studio at Cal Poly, SLO
- Arch 542, SCI-TECH II
- 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
"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)
- Arch 545x, SCI-TECH IV (2/3)
- Arch 541x, SCI-TECH I (1/3)
- Spring, 2004 Arch 602 / LA 301, Second Year Graduate Studio / Undergraduate LA Studio
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
- 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.
Digital Media Research Laboratory, University of Quebec at Montreal, Montreal, Quebec. Level Coordinator. Field Trip to Montreal.
- Arch 528G, Integrated Design Workshop
- Arch 541x, SCI-TECH I
- 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
- Spring, 2003 Arch 602, Second Year Graduate Design Studio.
Gliderport, Ames Municipal Airport
Arch 528G, Physics and Form.
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.
Digital Media Research Laboratory, University of Quebec at Montreal, Montreal, Quebec. Level Coordinator. Field Trip to Montreal.
- Arch 528G-I, Integrated Design Laboratory.
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.
Little Tokyo/SCI-ARC Branch Library, Los Angeles, CA. Level Coordinator. Field Trip to Los Angeles.
- Arch 528G-I, Integrated Design Laboratory.
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.
Digital Media Research Laboratory, University of Quebec at Montreal, Montreal, Quebec. Field Trip to Montreal.
- Arch 528G, Physics and Form.
Historical relationship between building form and technology.
- Thesis Committee, Monish Sarkar, "Intelligent Building."
- Spring, 2001 Arch 404, Fifth Year Design Studio. Longspan:
Drake University Stadium Reconstruction
- Arch 232, Digital Communication.
Introduction to Form-Z, Photoshop, Adobe Freehand.
- Freshman Honors Independent Study, Julie Halverson, "Residential Construction."
- Fall, 2000 Arch 301, Third Year Design Studio.
Barch Farm Youth Home, Dubuque, IA. Field Trip to Dubuque.
- Arch 230, Graphic Communication.
Introduction to three-dimensional drawing.