

Randy Deutsch AIA, LEED AP

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PERSONAL HISTORY AND PROFESSIONAL EXPERIENCE

Educational Background

University of Illinois at Urbana-Champaign; Bachelor of Science in Architecture, 1983.

North Carolina State University; Master of Architecture, Minor in Rhetoric, 1985.

List of Academic Positions since Final Degree

2001-2007 Adjunct Associate Professor, School of Architecture, College of Architecture and the Arts, University of Illinois at Chicago.

2011-2012 Lecturer, assisted in establishing executive degree program in Executive Management for Design and Construction, McCormick School of Engineering, Northwestern University.

2012 Instructor, Harvard Graduate School of Design (GSD) Executive Education, *The Strategic Agenda: Securing the Future*, with Paul Nakazawa

2012-2013 Visiting Associate Professor, School of Architecture, University of Illinois at Urbana-Champaign.

2013-2016 Associate Professor, School of Architecture, University of Illinois at Urbana-Champaign.

2016-Present Clinical Associate Professor, School of Architecture, University of Illinois at Urbana-Champaign.

2015-Present Associate Director for Graduate Studies, University of Illinois at Urbana-Champaign.

2013-2016 Instructor, Harvard Graduate School of Design (GSD) Executive Education, Harvard University, Cambridge, MA, *BIM: Lessons in Leadership*, with Phil Bernstein FAIA, Lecturer, Yale University.

Other Professional Employment

1985-1986 Design Architect, CUH2A, Princeton, New Jersey.

1986-1989 Design Architect, KSS Architects, Princeton, New Jersey.

1989-1996 Associate/Design Architect, LOHAN Associates, Chicago, Illinois.

1996-1998 Associate/Senior Designer, JORDAN MOZER Associates, Chicago, Illinois.

1998-2001 Associate/Senior Designer, LUCIEN LAGRANGE Architects, Chicago, Illinois.

2005-2010 Associate Principal/Senior Designer, Fitzgerald Associates, Chicago, Illinois.

1998-Present Co-Owner, DEUTSCH INSIGHTS Inc (consulting), Winnetka, Illinois.

2001-Present President/Principal, DEUTSCHWRX Inc (design), Winnetka, Illinois.

2014-2015 Technology Advisor, DesignIntelligence, Greenway Group, Design Futures Council.

Honors, Recognitions, and Outstanding Achievements

1985 National Trust for Historic Preservation, 1st Place Team, NC State University School of Design, proposed restoration of historic train station, Baltimore MD, as Senior Designer/Architect.

1999 Young Architect Award – Recognizing excellence in ability and exceptional contributions by a Chicago area architect between the ages of twenty-five and thirty-nine – American Institute of Architects, Chicago Chapter, administered by the American Institute of Architects Chicago Foundation.

1999 American Institute of Architects Distinguished Building Award, Citation of Merit, AIA Chicago, Chicago Sinai Temple, Chicago, Illinois, Role: Competition Team: Design Architect. As Built: Project Architect.

2002 Chicago Building Congress, Merit Award, 175 West Jackson, Chicago, Illinois, Role: Senior Designer, as Senior Designer/Architect.

2005 Precast Concrete Institute, Best Multi-Family Building, 840 North Lake Shore Drive, Chicago, Illinois, Role: Senior Designer.

2007 Urban Land Institute Chicago Chapter Community Vision Award, Park Boulevard, Chicago, Illinois, Role: Senior Designer.

2009 International Council of Shopping Centers Future Image Award, “Green” Category, Wilson Yard, Fitzgerald Associates, Chicago, Illinois, Role: Senior Designer.

2011 Chicago Neighborhood Development Awards (CNDA,) Outstanding Neighborhood Real Estate Project Award, Wilson Yard, Chicago, Illinois, Role: Senior Designer.

2018 Inaugural Professional Practice Scholar: Invited to serve as NCARB 2018 Inaugural Professional Practice Scholar, to present in Washington DC, August 2-4, 2018. Nomination letters from Jeffrey Poss FAIA, and four former and current students <http://bit.ly/2F6HX4H>

Invited Lectures and Invited Conference Presentations

2010 Deutsch, Randall S, *BIM, IPD and the Economy*, American Institute of Architects Ohio, General Session Speaker.

2012 “Technology Trends,” *The Strategic Agenda: Securing the Future*, Harvard Graduate School of Design (GSD) Executive Education, Cambridge, MA.

2013 “107 Ways Architects Make a Difference Through Architecture,” Keynote, American Institute of Architects Illinois. Peoria, Illinois. <http://bit.ly/MR99sC>

2013 “Through Architecture We Bridge Gaps By Embracing Change,” American Institute of Architects Illinois, Peoria, Illinois.

2013-2014 “BIM: Lessons in Leadership,” Harvard Graduate School of Design (GSD), Executive Education seminar, Harvard University. <http://bit.ly/1qtwBei>

2014 “The Relevance of Architecture in Today’s World,” American Institute of Architects Nebraska, Keynote, Lincoln, Nebraska. <http://bit.ly/1pebu0I>

2014 “Data Driven Design,” AEC Technology Symposium, Panel Moderator, The Cooper Union, New York, New York. <http://bit.ly/1lhBHeV>

2014 “AEC’s Big Data Problem,” AEC Technology Symposium, The Cooper Union, New York, New York. <http://bit.ly/1lhBHeV>

2015 “The 7-Year Career,” TEDx Talk, TEDxUIUC 2015, At Crossroads, Champaign, IL. Presentation transcript: <http://linkd.in/1JAue59>

2015 “The Data on Data-Centric Practices,” Knowledge Architecture, KA Connect 2015, San Francisco, CA.

2017 TECHNOLOGY: What’s Next & *How to Like it*, Forefront Symposium, Beyond Parallels and Gaps: Seeking Intersections for Industry, Practice, and Education, Illini Center, Chicago, IL, March 30, 2017 <https://bit.ly/2H0WnUY>

2017 Keynote speaker, Convegno Internazionale, ISTEa 2017, Re-shaping the Construction Industry, Palazzo Medici Riccardi, Firenze, Italy 14 e 15 Settembre, 2017

2017 The Life-Changing Magic of Converging Technologies, AEC Tech Symposium and Hackathon 2017, New York, New York, October 20, 2017 <https://lnkd.in/euwVc48>

2018 The Advent of the Augmented Architect, Learning from Machine Learning, Embracing and Capitalizing on AI, The Future of Design, Building Connections Congress 2018, AIA TAP, Washington DC, January 8, 2018

2018 Toward an Augmented Architect, Design Futures Council Leadership Summit on Design Innovation & Technology 2018, La Jolla, CA, January 17, 2018 <http://bit.ly/2CRwNin>

2018 Panel with ARUP, Amazon & the CIA, Design Futures Council Leadership Summit on Design Innovation & Technology 2018, La Jolla, CA, January 17, 2018

2018 The Making, Breaking and Fixing of Computational Design Superusers, SFDUG, AIA San Francisco, CA, April 18, 2018

2018 Design Colloquium, Exploring the Future for Architects, Engineers and Designers, Presidio Officer’s Club, Lecture, San Francisco, CA, April 19-20, 2018 <http://designcolloquium.com>

2018 Design Colloquium, Exploring the Future for Architects, Engineers and Designers, Presidio Officer's Club, Panel with Craig Curtis FAIA, President, Kattera, San Francisco, CA, April 19-20, 2018 <http://designcolloquium.com>

2018 "Laying Out the Roadmap for the Growth of Computation & Emergence of Artificial Intelligence in Architecture: When Do We All Lose Our Jobs?" 2nd Annual Advancing Computational Building Design Conference, New York, July 24-25, 2018 <http://advancing-computational-design.com>

2018 Invited by Javier Rodríguez Ejerique to serve on Qualicer 2018 Congress panel, Valencia, Spain, February 8-11, 2018 (declined)

2018 "Innovation, New Technology and Best Practices," Presentation to the Illinois Capital Development Board (CDB) Strategy Meeting, December 18, 2018, Urbana, IL

2018 Led workshop, Global Design Alliance event, Dallas, TX hosted by the Beck Group, Dallas, TX

2018 Led workshop, Holmes Structures strategic event, San Francisco, CA

2019 "Architects as Superusers in Offsite Construction," workshop on offsite construction with Kattera at the MADE Expo Trade Fair in Milan, Italy. <http://www.madeexpo.it/en/>

2019 "AI in Architecture," Università degli Studi di Brescia, Italy. Invited by Prof. Arch. Angelo Ciribini PhD angelo.ciribini@unibs.it

2019 "Superusers and the Future of Practice," Invited presentation at Design Futures Council (DFC) Leadership Summit on Technology, Melbourne, Australia

2019 Workshop at the CO Architects' leadership retreat, Los Angeles, CA

2019 Workshop at the AEI Engineers' leadership strategy meeting, Chicago, IL

2019 Conference Chair, 3rd Annual Advancing Computational Building Design Conference, NY, NY <http://advancing-computational-design.com>

Offices Held in Professional Societies

1995-1996 Executive Board, Holocaust Education Foundation (HEF)

1996-1999 Director, American Institute of Architects Chicago (AIA)

1996-2000 Executive Board, American Institute of Architects Chicago (AIA)

1997-1998 Board of Directors, Chicago Architectural Club (CAC)

2009 Delegate, Design Futures Council (DFC)

2011-2012 AIA National Center for Integrated Practice Leadership Group (CIPLG)

1999-2000 Vice President, American Institute of Architects Chicago (AIA)

Appointed Member of American Institute of Architects National Technology in Architectural Practice Innovation Awards Jury (AIA TAP).

Grants Received since Last Promotion at UIUC

College of Fine and Applied Arts Special Grant fund, 2013

UIUC College of Fine and Applied Arts (FAA) Creative Research Award for future research in Convergence in Contemporary Practice, 2014.

UIUC Engineering Strategic Instructional Initiatives Program (SIIP), James Michael Leake, Liang Y Liu, Nora El-Gohary, Randall Deutsch, Brent Daniel Young, 2013-2014, \$65,000.

Review Panels (e.g. for Governmental Agencies, Educational Institutions)

Invited Review Panelist, "Ontologies for Electrical and Water Distribution Systems," resulting in two chapters of an ERDC-CERL Technical Report for each system, Research Review Panel, Kristine Fallon Associates Inc, 2012.

Professional Registrations

Licensed Architect, State of Illinois, #001015660. 1995-Present.
LEED Accredited Professional, 2005-Present.

PUBLICATIONS AND CREATIVE WORKS

Books Authored

"BIM and Integrated Design: Strategies for Architectural Practice" (John Wiley & Sons, 2011) *on the sociological impacts of Building Information Modeling (BIM) and Integrated Project Delivery (IPD) on individuals, teams, organizations, the design profession and construction industry.* <http://amzn.to/iJZxyU> translated to Mandarin Chinese 2018

"Data Driven Design and Construction: 25 Strategies for Capturing, Analyzing and Applying Building Data," (John Wiley & Sons, 2015) *providing practical information, useful strategies and technical guidance to practitioners and educators who are looking to leverage building data throughout the building lifecycle.* Foreword by James Timberlake, FAIA, Kieran Timberlake. <http://amzn.to/1ycVe6R> translated to Mandarin Chinese 2019

"Convergence: The Redesign of Design" (Architectural Design/AD Smart, June 26, 2017.) <http://bit.ly/2hquJHi> translated to Mandarin Chinese 2019

"Superusers: Design Technology Specialists and the Future of Practice" (Taylor&Francis / Routledge, 2019.) <https://amzn.to/2SZPdWw> translated to Mandarin Chinese 2019

Chapters in Books

"Integrated Project Delivery Overview", *The Architect's Handbook of Professional Practice, 15th Ed.* John Wiley & Sons, 2013. pp. 530-541.

"Building Information Modeling and Integrated Project Delivery," *The Architect's Handbook of Professional Practice, 15th Ed.* John Wiley & Sons, 2013. Online only.

“Bridging Gaps by Embracing Change: BIM in a Time of Simultaneity, Super-integration and Convergence,” BIM GAPS: Bridging Building Information Modeling Tools, Analysis and People ed. by Karen Kensek and Douglas Noble, USC Architecture, John Wiley and Sons, 2016. (Invited, book not published.)

“Understanding Architectural Workflows in Global Practice” published in *Workflows: Expanding Architecture's Territory in the Design and Delivery of Buildings*, Architectural Design, May 30, 2017 featuring the work and processes of Krueck+Sexton Architects, KieranTimberlake, LMN Architects, SOM, and Populous <http://bit.ly/2Fzphim>

Chapter in book, *Managing Design: Conversations, Project Controls and Best Practices for Commercial Design and Construction Projects*, Michael Le Fevre, FAIA, John Wiley & Sons, 2019

Authored Foreword in book, *Managing Design: Conversations, Project Controls and Best Practices for Commercial Design and Construction Projects*, Michael Le Fevre, FAIA, John Wiley & Sons, 2019

Contributed to book, *Portfolio | The Essentials You Need to Succeed*, Vincent Hui (Routledge, 2019).

Articles in Journals

"Copyright Rights of Design Professionals." (*contributed to article*) *PERSPECTIVES Magazine*, 1997.

Cited in “Young firms bring a breath of fresh air to the Windy City.” Feature article includes work of Randall Deutsch of Deutschwrx, John Czarnecki, *Architectural Record*, 2004. <http://bit.ly/dOY6tO>

Technology and the Changing Nature of Architectural Practice, feature article on professional writing of Randall Deutsch, Elizabeth Evitts Dickinson, *ARCHITECT* magazine, 2010. <http://bit.ly/ebwfKj>

Cited in “Data + Design: Integrating Building Information Modeling in Architectural Education” by Franca Trubiano, Building Technology Educator’s Society (BTES), 2013.

Cited in “The Reemerging Midcareer Professional's Companion,” American Institute of Architects Foresight Report, 2013. <http://bit.ly/1tECLJ0>

Cited in “BIM and Integrated Design,” American Institute of Architects Foresight Report, 2013. <http://bit.ly/1tECLJ0>

Cited in “The Big Data Revolution: How data-driven design is transforming project planning.” David Barista, *Building Design + Construction Magazine*, February, 2014.

Cited in “Designing Relationships.” Pressman, Andrew. *Review on book cover*. Routledge, 2014.

Cited in “Ways to Stay Organized Around Big Data,” Robert Mencarini, Array Architects, presentation to Deloitte Consulting, 2014.

Cited in “BIM as a Catalyst to Foster Creativity through Collaboration” by Murali Paranandi, Miami University, in Building Information Modeling: BIM in Current and Future Practice by Karen Kensek, USC Wiley, 2014. p. 239.

Cited in “Translating Designs for Construction + Operations: The Future of BIM in a World of Material and Energy Scarcity” by Franca Trubiano PhD, University of Penn., in Building Information Modeling: BIM in Current and Future Practice by Karen Kensek, USC Wiley, 2014. p. 311.

Cited in BIM and Construction Management: Proven Tools, Methods, and Workflows by Brad Hardin and Dave McCool, 2nd Edition, John Wiley and Sons, 2015. pp. 83, 148.

Cited in ARCC2013_UNCC Conference Proceedings, Integrated Practice and Architecture Education: The Evolution of a Pedagogy, Alexis Gregory, Michele M. Herrmann, Beth Miller, Jarrod Moss, Mississippi State University, Mississippi State, Mississippi, pp. 332-335.

Cited in ARCC2014_UHawaii Conference Proceedings, Re-thinking Design Studio Pedagogy: Collaboration Between Architecture and the Allied Disciplines
Alexis Gregory, Mississippi State University, Mississippi State, Mississippi, 2014, pp. 32-33.

Cited in Huffington Post, Those Slow to Adopt New Technology, Often Benefit Most from It by Andre Bourque, Posted: 01/08/2015 http://www.huffingtonpost.com/andre-bourque/those-slow-to-adopt-new-t_b_6434126.html

Cited in “Deep Data: How Greater Intelligence Can Lead To Better Buildings,” by C.C. Sullivan, in Building Design + Construction magazine, June 2015, pp.43-46 <http://bit.ly/1C9gnLF>

Featured in an article on How Programming Skills Today Create the Architects of Tomorrow, Ozobot, September 12, 2017 <https://lnkd.in/eryprEj>

Original research published in AIA National publication, Embracing Artificial Intelligence in Architecture: Architects stand to benefit from learning about data & taking small steps now to incorporate AI into practice, Architect Magazine, Kathleen M. O'Donnell, March 2, 2018 <https://lnkd.in/dP3BcXX>

Deutsch, Randall S., “Can computers design buildings? What automation means to architects,” contributed to article in Geospatial World magazine, November 27, 2018 <https://bit.ly/2zsiWjG>

Deutsch, Randall S., “A Vision for the School of Architecture, or What We Talk About When We Talk About That Café,” Ricker Report, November 2018 pp. 14-17

Deutsch, Randall S., “Appeal to Young Professionals – Embrace AI,” PSMJ Newsletter, November, 2018 p. 4

Magazines and Newspapers

Deutsch, Randall S, "The Seventh Sacrament." Review of The Seventh Sacrament, by James Bradberry. *FOCUS: A Magazine of the American Institute of Architects Chicago*, 1996.

Deutsch, Randall S. "Chicago Architects in Search of Philip Johnson." *FOCUS: A Magazine of the American Institute of Architects Chicago*, 1996.

Deutsch, Randall S. "Perceptive Perspectives: A Worm's Eye View of the Architecture Profession." *FOCUS: A Magazine of the American Institute of Architects Chicago*, June/July 1996.

Deutsch, Randall S. "The Prince of Thieves." Featuring Ralph Johnson of Perkins + Will: Buildings and Projects, *FOCUS: A Magazine of the American Institute of Architects Chicago*, 1997.

Deutsch, Randall S. "Romancing the Architect: How Employers Attract and Retain Employees." *FOCUS: A Magazine of the American Institute of Architects Chicago*, April 1997.

Deutsch, Randall S. "BIM Beyond Boundaries," *DesignIntelligence*, Design Futures Council, 2011 <http://bit.ly/2vObLRd>

Deutsch, Randall S. "Leading in the Age of BIM," *DesignIntelligence*, Design Futures Council, 2012 <http://bit.ly/2vObLRd>

Deutsch, Randall S. "How We Can Make Collaboration Work." *DesignIntelligence*, Design Futures Council, 2014 <http://bit.ly/2vObLRd>

Deutsch, Randall S. "Who Will Lead Our Data-Driven Future?" *DesignIntelligence*, Design Futures Council, 2015 <http://bit.ly/2vObLRd>

Deutsch, Randall S. "Best Practices: Gain Appreciation for Your Work. *Architects Offer Five Subtle but Effective Ways for Architects to Change Owner's Perceptions*," by Brian Libby, ARCHITECT Magazine, contributed to article, 2015. <http://bit.ly/1dAr9ES>

Deutsch, Randall S. "8 Mindsets and Skillsets for the Future of Design," *DesignIntelligence Quarterly*, Design Futures Council, Q2, 2018 <http://bit.ly/2vObLRd>

Deutsch, Randall S., "Can computers design buildings? What automation means to architects," contributed to article in *Geospatial World* magazine, November 27, 2018 <https://bit.ly/2zsiWjG>

Featured in "Embracing Artificial Intelligence in Architecture" published online, March 9, 2018 <https://bit.ly/2rP78n6>

Internet Publications

Peer Reviewed

Deutsch, Randall S, American Institute of Architects, Architect's Professional Primer (APP) online resource for small firms: contributed essays on Collaboration, the Economy & Change, 2014-2015, launched at the 2015 AIA Convention.

Non-Peer Reviewed

Deutsch, Randall S, "Notes on the Synthesis of BIM" AECBytes, 2010. <http://bit.ly/fCysQa>

Cited in "Want to become a knowledge-driven firm? Build some "T-players" and get yourself a coach." Christopher Parsons, Knowledge Architecture, 2010. <http://bit.ly/aBFh9T>

BIM and Integrated Design: Strategies for Architectural Practice, reviewed by Mark LePage, Entrepreneur Architect, Oct. 19, 2011. <http://bit.ly/1odbskD>

BIM and Integrated Design: Strategies for Architectural Practice reviewed by Jeffrey A. Pinheiro, The Revit Kid, April 20, 2011. <http://bit.ly/ekh1ic>

Book Review: BIM and Integrated Design | Building Content, Dec 8, 2011.

Randy Deutsch | Peter Thomsen, DownsideUpDesign featured in blog post on “Strategy,” Nov 23, 2011. <http://bit.ly/TJwd8y>

Will Architects Win- i.e. Regain Relevance- by Adopting BIM?, Tara Imani, Indigo Architect, Oct. 15, 2011. <http://bit.ly/1w8F4td>

Deutsch, Randall S, "Unlearning to Collaborate," AIA Practice Management Digest, Winter 2011. <http://bit.ly/hf2XHz>

Deutsch, Randall S, "BIM Beyond Boundaries," *DesignIntelligence*, Design Futures Council, 2011. <http://bit.ly/1zjsnbg>

Deutsch, Randall S, "Leading in the Age of BIM," *DesignIntelligence*, Design Futures Council, 2012. <http://bit.ly/VJ6w05>

DesignIntelligence (DI) Journal featured "BIM Beyond Boundaries," on website homepage, Sept 10, 2012.

Deutsch, Randall S, "Leading in the Age of BIM and IPD," paper produced for AIA 2013 National Convention, Seminar, Denver, CO, 2013.

Deutsch, Randall S, "How We Can Make Collaboration Work." *DesignIntelligence*, Design Futures Council, 2014. <http://bit.ly/1fuxso9>

"The Big Data Revolution: How data-driven design is transforming project planning." David Barista, BDCNetwork Magazine, 2014.

Deutsch, Randall S. "Who Will Lead Our Industry's Data-Driven Future?" *DesignIntelligence*, Design Futures Council, 2015.

What Architects Should Know About Convergence, Architect Magazine, August 10, 2017

Deutsch, Randall S. "8 Mindsets and Skillsets to Cultivate for the Future of Design," *DesignIntelligence Quarterly*, August 21, 2018 <https://bit.ly/2rNS75f>

Creative Works (Exhibitions, Commissions, Competitions, and Architecture Executed)

Exhibitions

The Art of the Long View, Exhibit Advisory Committee, Chicago Architecture Foundation, Committee Chair, Chicago, Illinois, 1999.

Material Evidence: Chicago Architecture at 2000, Exhibition, Museum of Contemporary Art, Committee Member, Chicago, Illinois, 2000.

Competitions

Burnham Prize Competition, Chicago Architectural Club, Third Place, 1990.

Northerly Island Competition, Chicago Architectural Club – Finalist, 1994.

International Council of Shopping Centers, Future Image Award – First Place, “Green” Category, Wilson Yard, Fitzgerald Associates, Chicago, Illinois, Role: Senior Designer, 2009.

Architecture Executed

As Primary Architect/Designer – Selected Projects

Future Concepts for the Home, For The Doblin Group, Chicago, Illinois, 1998.

Transit Station Design Guidelines for Chicago, Transit Partners and Chicago Transit Authority (CTA), 2005.

Project This, 500-room Data-Driven Dormitory Prototype, Chicago, Illinois, 2011.

As Contributing Architect – Selected Projects

Princeton University Biology building renovation, Princeton New Jersey, 1987.

Illinois State Toll Hwy. Authority Headquarters, Downers, Grove Illinois, 1991.

Molecular Biology Research Facility, University of Illinois, Chicago, Illinois, 1993.

Sinai Temple, Chicago Sinai Congregation, Chicago Illinois, 1995.

IIT Campus Master Plan, prepared for IIT, Chicago, Illinois, 1995.

Mirage Resorts, Bellagio – with Steve Wynn: Casino venue + lounge + Cirque retail + 300-seat restaurant + snack bar, Las Vegas, Nevada, 1997.

Rolling Stones World Concert Tour concepts and stage design, 1997.

Sony Metreon Entertainment Center, 1.1M SF venues w/ dining and 16 screen cinema + 1100 rm. Hotel, Chicago, Illinois, 1998.

Union Station Redevelopment – 1.2 Million SF Office/ Hotel/ Residential/Retail historical renovation and tower, Chicago, Illinois, 1999.

175 West Jackson 1.7M SF office/commercial/lobby renovation to Daniel Burnham building, Chicago, Illinois, 1999.

840 N Lake Shore Drive luxury residential tower, Chicago, Illinois, 1999.

AvalonBay – Two 50-story towers, 1000 units, Chicago, Illinois, 2008.

Atrium City Tower & Retail Spine – consulting w/Adrian Smith-Gordon Gill (AS+GG), Dubai, UAE, 2008.

1035 W Van Buren – 31 story tower w/retail, Chicago, Illinois, 2008.

Park Blvd II Master Plan – 1200 unit development, Chicago, Illinois, 2009.

Wilson Yard – 6-acre mixed-use project w/ urban Target, Chicago, Illinois, 2010.

Bulletins, Reports, or Conference Proceedings

Deutsch, Randall S, "Teaching for the Cycle," Building Technology Educators' Society conference publication, Roger Williams University, Bristol, Rhode Island, 2013.

Deutsch, Randall S. "Professional Judgment in a Digital, Integrated World," FOREFRONT: Architects as Collaborative Leaders, American Institute of Architects Utah, 2013.

Deutsch, Randall S. "Leading in the Age of Integrated Design," FOREFRONT: Architects as Collaborative Leaders, American Institute of Architects Utah, 2013.

Deutsch, Randall S. "The Practical And Ineffable In Architecture: On The Convergence Of The Pragmatics And The Poetics Of Building." Building Technology Educators Society (BTES) International Conference, 2017.

Abstracts (in print or accepted)

Deutsch, Randall S. "Leveraging data in academia and practice: geometry, human- and building-performance," Future of Architectural Research, Architecture Research Centers Consortium (ARCC) Conference, Chicago, IL. 2015.

Deutsch, Randall S. "Data Driven Design in Education and Practice," Building Technology Educators Society (BTES) International Conference, University of Utah, Salt Lake City, Utah, 2015.

Deutsch, Randall S. "Educating Today's Technology-Inclined Architect," Building Technology Educators Society (BTES) International Conference, University of Utah, Salt Lake City, Utah, 2015.

Book Reviews (in print or accepted)

Deutsch, Randall S. "The Seventh Sacrament." Review of The Seventh Sacrament, by James Bradberry. *FOCUS: A Magazine of the American Institute of Architects Chicago*, 1996.

Deutsch, Randall S. "Perceptive Perspectives: A Worm's Eye View of the Architecture Profession." *FOCUS: A Magazine of the American Institute of Architects Chicago*, June/July 1996.

Deutsch, Randall S. "Four Books for Four Rooms" Book Review, *FOCUS: A Magazine of the American Institute of Architects Chicago*, 1997.

Deutsch, Randall S. "Chicago Architects in Search of Philip Johnson." Featuring Philip Johnson: Life and Work, by Franz Schulze. *FOCUS: A Magazine of the American Institute of Architects Chicago*, 1997.

Deutsch, Randall S. "The Prince of Thieves." Featuring Ralph Johnson of Perkins + Will:

Buildings and Projects, *FOCUS: A Magazine of the American Institute of Architects Chicago*, 1997.

Deutsch, Randall S. "Romancing the Architect: How Employers Attract and Retain Employees." *FOCUS: A Magazine of the American Institute of Architects Chicago*, April 1997.

The International Journal of Architecture, Engineering and Construction (IJAEC), ISSN 1911-110X (print) ISSN 1911-1118 (online) Book Review of BIM Design by Richard Garber, Vol. 4, No. 1 2015. <http://bit.ly/1Ag2GcE>

Academic Lectures and Conference Presentations (with proceedings)

Deutsch, Randall S, "Professional Judgment in a Digital, Integrated World," FOREFRONT: Architects as Collaborative Leaders, American Institute of Architects Utah, 2013.

Deutsch, Randall S, "Leading in the Age of Integrated Design," FOREFRONT: Architects as Collaborative Leaders, American Institute of Architects Utah, 2013.

Deutsch, Randall S. "Teaching for the Cycle," Building Technology Educators Society Conference, Roger Williams University, Bristol, Rhode Island, 2013.

Deutsch, Randall S. "All Things (Data) Considered," *CSDR-ND Sustainability Community Data Forum*, University of Notre Dame, Chicago, IL, 2013.

Deutsch, Randall S. "Leveraging Data in Academia and Practice: Geometry, Human- and Building-Performance," Future of Architectural Research, Architecture Research Centers Consortium (ARCC) Conference, Chicago, IL. 2015.

Deutsch, Randall S. "Leveraging Data Across the Building Lifecycle," International Conference on Sustainable Design, Engineering and Construction (ICSDEC) 2015, Elsevier, Chicago, Illinois, 2015.

Academic Lectures and Conference Presentations (no proceedings)

Deutsch, Randall S. "Integrated Design Process and BIM," School of Architecture, College of Architecture and the Arts, University of Illinois at Chicago, Chicago, Illinois, 2009.

Deutsch, Randall S. *The Strategic Agenda: Securing the Future*, Harvard Graduate School of Design (GSD) Executive Education, Cambridge, MA, 2012.

Deutsch, Randall S. *BIM in the Cloud*, Executive Management for Design and Construction, Northwestern University, Moderator, Chicago, IL, 2012.

Deutsch, Randall S. *The New Expert*, McCormick School of Engineering, Northwestern University, Evanston, IL, 2011.

Deutsch, Randall S. *Integrated Building Delivery and BIM*, Illinois Institute of Technology, Chicago, IL, Guest Lecturer, 2011.

Deutsch, Randall S. *Lean Design*, Lean Construction Institute, P2SL Lean Design, University of California, Berkeley, Berkeley, CA, 2011.

Deutsch, Randall S. *Integrated Project Delivery*, Master of Integrated Building Delivery program, IIT, 2011.

Deutsch, Randall S. "BIM: Lessons in Leadership," Harvard Graduate School of Design (GSD), Executive Education seminar, Harvard University, Cambridge, MA, 2013-2014.

Deutsch, Randall S. "Data Driven Design," AEC Technology Symposium, Panel Moderator, The Cooper Union, New York, New York, 2014.

Deutsch, Randall S. "AEC's Big Data Problem," AEC Technology Symposium, The Cooper Union, New York, New York, 2014.

Deutsch, Randall S., Keynote speaker, "The Next Frontier: Mining and Leveraging Data in BIM", BIM Perspectives Conference, The Graduate Center, CUNY, NYC, 2015

Deutsch, Randall S. "Measuring the Immeasurable, Validating the Ineffable in Data-Driven Design and Construction", New Jersey Institute of Technology, 2015

National Organization of Minority Architecture Students (NOMAS) 2015 Symposium, 50 Shades of Leadership, Urbana, IL, 2015

Invited lecture, "Learning to Stay: Design Technology Specialists and the Future of Practice," PRACTICE: Outside In | Inside Out Symposium, Harvard GSD, October 12, 2018
<https://bit.ly/2BBEXfQ>

Panel discussion, PRACTICE: Outside In | Inside Out Symposium, Harvard GSD, October 12, 2018 <https://bit.ly/2BBEXfQ>

Professional Lectures and Conference Presentations (no proceedings)

Deutsch, Randall S. "Architecting a Solution: Searching for Common Ground Between Architects and IT Architects," presented to Anderson Consulting, Arthur Anderson Worldwide, Partners Annual Meeting, Chicago, Illinois, 1997.

Deutsch, Randall S. "Urban Issues," Moderator, Panel Discussion, American Institute of Architects Chicago, Chicago, Illinois, 2001.

Deutsch, Randall S. "Consultant Communication," Moderator, Panel Discussion, American Institute of Architects Chicago, Chicago, Illinois, 2005.

Deutsch, Randall S. "Engaging Employees in the AEC Industry," Keynote, Best Firms Conference, Las Vegas, Nevada, 2010.

Deutsch, Randall S. "BIM, IPD and the Economy," American Institute of Architects Ohio, General Session Speaker, Annual Conference, 2010.

Deutsch, Randall S. "The Reemerging Midcareer Professional's Companion," Knowledge Architecture, KA Connect, Chicago, Illinois, 2010. <http://bit.ly/94Ak6O>

Deutsch, Randall S. "(Re)Learning to Collaborate," American Institute of Architects Minnesota, Minneapolis, Minnesota, 2010.

Deutsch, Randall S. "BIM/IPD Panel," Moderator, American Institute of Architects

National Technology in Architectural Practice (NTAP) Conference, American Institute of Architects HQ, Washington DC, 2010.

Deutsch, Randall S. "Integrated Project Delivery: An Overview," Revit Technology Conference, Huntington Beach, California, 2011.

Deutsch, Randall S. "The End Is Where We Start From," BIMForum, *When Does Design End and Construction Begin?* Chicago, Illinois, 2011.

Deutsch, Randall S. "How BIM Enables IPD," American Institute of Architects Northeastern Illinois, 2011.

Deutsch, Randall S. "Trending: Technology," SMPS Build Business Conference, Chicago, Illinois, 2011.

Deutsch, Randall S. "Learning to Collaborate," American Institute of Architects Illinois, Lisle, Illinois, 2011.

Deutsch, Randall S. "Why Bring Another Book into this World," Knowledge Architecture, KA Connect, San Francisco, California, 2011.

Deutsch, Randall S. Moderated Panel Discussion, Knowledge Architecture, KA Connect, San Francisco, California, 2011.

Deutsch, Randall S. "BIM, IPD and the Future of Practice," American Institute of Architects National, Large Firm Roundtable (LFRT), Dallas, Texas, 2012.

Deutsch, Randall S. "BIM and IPD Seminar," American Institute of Architects Chicago, Chicago, Illinois, 2012.

Deutsch, Randall S. "(Re)Learning to Lead with BIM and IPD," Seminar, American Institute of Architects National Convention, Denver, Colorado, 2013.

Deutsch, Randall S. "Human, All Too Human BIM," *The Human Side of BIM*, BIMForum, Miami, Florida, 2013.

Deutsch, Randall S. "107 Ways Architects Make a Difference Through Architecture." Keynote, American Institute of Architects Illinois, Peoria, Illinois, 2013. <http://bit.ly/MR99sC>

Deutsch, Randall S. "Through Architecture We Bridge Gaps By Embracing Change." American Institute of Architects Illinois, Peoria, Illinois, 2013.

Deutsch, Randall S. "EP4EP: Emerging Professionals for Extended Play." Seminar, American Institute of Architects National Convention, Chicago, Illinois, 2014.

Deutsch, Randall S. "BIM and IPD Make Emerging Professionals of Us All." Presentation, American Institute of Architects National Convention, Chicago, Illinois, 2014.

Deutsch, Randall S. "The Relevance of Architecture in Today's World," Keynote, American Institute of Architects Nebraska, Lincoln, Nebraska, 2014. <http://bit.ly/1pebu0l>

Deutsch, Randall S. "The Data on Data-Driven Practices" Knowledge Architecture, KA Connect, San Francisco, California, 2015.

Deutsch, Randall S. "What Leveraging Data Means for You, Your Career, Firm and Profession," AIANY Technology Committee, Center for Architecture, NYC <http://bit.ly/1KgqzLI>

Deutsch, Randall S. "Architects Design By Manipulating Data, Not Form," AIA Northeast Illinois, 2015

Deutsch, Randall S. "EP4EP: Emerging Professionals for Extended Play." Seminar, American Institute of Architects National Convention, NY, NY, 2018.

Invited keynote, 5th Annual BIM Conference in Beijing, China, October 30, 2018 on the occasion of "BIM and Integrated Design" (Wiley, 2011) being translated to Mandarin Chinese

Blogs

Blogs featured on AIA National website and in ARCHITECT Magazine

www.bimandintegrateddesign.com on issues related to Building Information Modeling (BIM) & Integrated Project Delivery (IPD) in the design professions and construction industry. 2009-2016

www.architects2zebras.com on issues related to architects in practice. 2010-2016.

Other blogs

<http://datadrivendesignblog.com> capturing, applying & analyzing building data in the AEC industry. 2013-2016.

<http://thedesignstrategist.com/> approaching complex, intractable business problems from the perspective of a design architect. 2011-2016.

<http://integrateddesignandconstruction.com/> promoting interdisciplinary teaching and education in the AEC industry. 2011-2012.

"How I Learned to Stop Worrying and Love the BIM" | Life of an Architect, Guest Post, Oct 20, 2011. <http://bit.ly/1nnl6jZ>

"107 Reasons Why Architects Matter" | Life of an Architect, Guest Post, July 5, 2011. <http://bit.ly/1q7MCXi>

"BIM and IPD Makes Emerging Professionals Of Us All," American Institute of Architects National Convention, Podcast, 2014. <http://bit.ly/1z0R3Fh>

"Make It, Break It, Fix It," Beverly Willis Architecture Foundation (BAAF) Invited blog post, Equality in Architecture, 2014. <http://bit.ly/1uWyFzS>

Interview with Architecture for Humanity co-founder Cameron Sinclair, AIA CEO Robert Ivy, and Randy Deutsch; Business of Architecture, 2015. <http://ht.ly/KbLaO>

Interviewed on BIM in education, BIMThoughts podcast S2E12, 2015
<http://bimthoughts.com/s2e12/>

Microsoft webinar, The Redesign of Design, September 2017 <https://bit.ly/2GZQasa>

Podcast Construccion Avanzada, Madrid, Spain, Construccion Avanzada EP01 Entrevista Randy Deutsch, Alfonso Gomez-Roso June 6, 2017 <https://bit.ly/2JITv0t>

Dynamo Next TV webinar with Ryan Cameron at DLR Group, Chicago, IL S2E4 - Talk Data to Me on Data and Intuition, June 18, 2017 <https://bit.ly/2qtQj0V>

Student ICES Course Evaluation Results

List of Teachers Ranked as Excellent by Their Students, Spring 2014 (Arch 593).

List of Teachers Ranked as Excellent by Their Students, Spring 2015 (Arch 501).

SERVICE (Public Engagement, Professional/Disciplinary, and University)

Summary of Service

Service to Disciplinary and Professional Societies or Associations

1987-Present American Institute of Architects (AIA)
1997-1998 Board of Directors, Chicago Architectural Club (CAC)
1998-2000 Director, American Institute of Architects Chicago (AIA) Urban Land Institute
2000-2001 Executive Board, American Institute of Architects Chicago (AIA)
2000-2001 Vice President, American Institute of Architects Chicago (AIA)
2007-Present Society of Building Science Educators (SBCE)
Design Futures Council (Delegate)
Lean Construction Institute (LCI)
2010-Present Chicago Building Information Modeling and Integrated Project Delivery (BIM-IPD) Group
2010-Present NYC-Revit Users Group
2011 Association for Computer Aided Design in Architecture (ACADIA)
2011-Present Building Technology Educators' Society (BTES)
2012-Present Association of Collegiate Schools of Architecture (ACSA)
2011-2012 AIA National Center for Integrated Practice Leadership Group (CIPLG)
2012-Present Design-Build Institute of America (DBIA)
2014-2015 Appointed Member of American Institute of Architects National Technology in Architectural Practice Innovation Awards Jury (AIA TAP)
2015-2016 Board Member, Advisor, UK-based Building Research Establishment (BRE)
BRE/Wiley Advisory Board on BIM education in the US
2015-Present BuildingSMART Alliance International advisory board
2018 Invited to serve as juror, ARCHITECT Magazine's 12th Annual R+D Awards
<https://bit.ly/2rP78n6>

University/Campus Service

2015-Present Faculty Advisor, Architectural Advisor, 2017 Illinois Solar Decathlon RSO, a multidisciplinary team comprised of different majors across campus.

University of Illinois at Urbana-Champaign

2015-16 Solar Decathlon team, Faculty Advisor, Architecture

2017-18 Race To Zero team, Faculty Advisor, Architecture

College of Fine and Applied Arts

2013-2014 Member, Fine and Applied Arts Curriculum Committee

School of Architecture

2004-2006 Instructor, Architecture Registration Exam (ARE) Course, Summer

2005 Member, NAAB Accreditation Committee

2012 Deutsch, Randall S, *Early Professional Work*, American Institute of Architecture Students (AIAS), UIUC Chapter

2013 Deutsch, Randall S, *A Career in Architecture*, American Institute of Architecture Students (AIAS), UIUC Chapter

2014-2015 Faculty Advisor, American Institute of Architecture Students (AIAS) UIUC Chapter

2014 Deutsch, Randall S, *Architects as Architectural Advocates*, Alpha Rho Chi (ARX) Professional Fraternity, UIUC Chapter, Presentation

2014-2015 Member, Lecture Series Committee

2013-2014 Member, Curriculum Committee

2016-2017 Curriculum Committee, ex-officio, Awards Committee, Student Concerns Committee, ex-officio, Admissions & Recruitment Committee

2016-2018 Curriculum Committee, ex-officio, Student Concerns Committee, ex-officio, Admissions & Recruitment Committee

2017-2018 Member of Media Presence Committee, School of Architecture

2017-Present Responsible for Social Media and Communications, School of Architecture