

Volker Mueller

Dipl.-Ing., M.Arch., LEED AP BD+C, Assoc. AIA, CDT
Dual citizen of the USA and Germany

Chapel Hill, NC, USA
vm9072@gmail.com
m: +1-919-360-0915
[linkedin.com/in/volker-mueller](https://www.linkedin.com/in/volker-mueller)

Publications

- 2017 "A Design Gallery System: Prototype and Evaluation", Arefin Mohiuddin et al.; in ACADIA 2017: Disciplines & Disruption, Proceedings of the 37th Annual Conference of the Association for Computer Aided Design in Architecture, Cambridge, MA, Nov. 2-4, 2017, pp. 414-425
- 2017 "Interactive Design Galleries: A general approach to interacting with design alternatives", Robert Woodbury et al.; in Design Studies, Volume 52; Oxman, Rivka, ed.; Elsevier, September 2017, pp. 40-72
- 2015 "Learning about Parametric Model Behavior through Multi-Objective Optimization", in Project Information for Interaction, SIGraDi 2015 Proceedings, November 23-27, 2015, Florianópolis, Santa Catarina, Brazil, pp. 405-413
- 2014 "Second Generation Prototype of a Design Performance Optimization Framework", in Digital Crafting – Virtualizing architecture and delivering real built environment, Proceedings of the 7th ASCAAD Conference; Sidawi, Bhazad and Mallasi, Zaki, eds.; March 31-April 3, The Arab Society for Computer Aided Architectural Design, Jeddah, Kingdom of Saudi Arabia, 2014, pp. 199-209
- 2013 "Cloud-Based Design Analysis and Optimization Framework" with Tiemen Strobbe, in Computation and Performance, 31st eCAADe Conference Proceedings; Stouffs, Rudi and Sariyildiz, Sevil, eds.; September 18-20, 2013, Delft, The Netherlands, pp. 185-194
- 2013 "Inductive Aerodynamics", main author Samuel Wilkinson, in Computation and Performance, 31st eCAADe Conference Proceedings; Stouffs, Rudi and Sariyildiz, Sevil, eds.; September 18-20, 2013, Delft, The Netherlands, pp. 39-48
- 2014 "Second Iteration of Cloud-Based Analysis and Optimization Framework", with Dru Crawley and Pratik Deb, Building Simulation 2013 Conference Proceedings (electronic, ISBN 978-2-7466-6294-0), IBPSA 2013
- 2013 "Prototype Implementation of a Loosely Coupled Design Performance Optimisation Framework" with Dru Crawley and Xun Zhou, in Open Systems, 18th CAADRIA Conference Proceedings; R. Stouffs, P. Janssen, S. Roudavski, B. Tunçer, eds.; Singapore, May 15-18, 2013, pp. 675-684
- 2013 "GenerativeComponents and Smartgeometry: Situated Software Development" with Makai Smith, in Inside Smartgeometry: Expanding the Architectural Possibilities of Computational Design; Brady Peters and Terry Peters, eds.; Wiley, Chichester, Sussex, UK, 2013, pp. 142-153
- 2012 "Visual Narratives of Parametric Design History", main authors Halil I. Erhan, Rodolfo Sanchez, Robert F. Woodbury, in Digital Physicality, 30th eCAADe Conference Proceedings; H. Achten, J. Pavlíček, J. Hulín, D. Matějovská, eds.; Prague, Czech Republic, Sept. 12-14, 2012, pp. 259-268
- 2012 "Multi-Disciplinary Design Refinement" poster at Advances in Architectural Geometry 2012 conference, Paris, France
- 2011 "Rethinking Concept Design Tools: High-level requirements for concept design tools" with Ivanka Iordanova in Circuit Bending, Breaking and Mending, 16th CAADRIA Conference Proceedings; C. M. Herr, N. Gu, S. Roudavski, M. A. Schnabel, eds.; Newcastle, New South Wales, Australia, April 27-29, 2011, pp. 409-418
- 2011 "Distributed Perspectives for Intelligent Conceptual Design" in Distributed Intelligence in Design, Tuba Kocaturk, Benachir Medjdoub, eds.; John Wiley & Sons Ltd. London, 2011, pp. 16-26
- 2010 "Collaboration in Parametric Design: Analyzing User Interaction During Information sharing", main author Vinu Subashini Rajus, in ACADIA 10: LIFE in:formation, On Responsive Information and Variations in Architecture, New York, New York, October 21-24, 2010, pp. 320-326
- 2010 Foreword for "Elements of Parametric Design" by Prof. Dr. Robert Woodbury, Routledge, Abingdon, UK and New York, NY, 2010
- 2009 "Ontology for Computational Design: Computational methods versus cultural processes", in Computation: The new realm of architectural design, 27th eCAADe Conference Proceedings; Gülen Çağdaş and Birgül Çolakoğlu, eds. Istanbul, Turkey, September 16-19, 2009, pp. 441-448
- 2009 "Conceptual Design Tools: Establishing a framework for specification of concept design tools", in Digitizing Architecture: Formalization and Content, 4th International Conference Proceedings of the Arab Society for Computer Aided Architectural Design, Manama, Kingdom of Bahrain, 11-12 May 2009, pp. 103-120
- 2006 "i21: Virtual Reality based design processes as catalysts for innovation", in Design Computing and Cognition '06 - Poster Abstracts; Key Center of Design Computing and Cognition, University of Sydney, Australia, 2006
- 2006 "Integrating Digital and Non-digital Design Work", in Blurring the Lines: Computer-Aided Design and Manufacturing in Contemporary Architecture; André Chaszar, ed. John Wiley & Sons Ltd. London, UK 2006, pp. 38-45
- 2004 "Learning to Acquire Knowledge and to Apply Knowledge Collaboratively", in Fabrication: Education Summit White Papers for the 2004 AIA/ACADIA Conference; Aron Temkin, ed. University of Waterloo School of Architecture Press; Waterloo, Canada 2004, pp. 14-16
- 2003 "Architectural Design Methods with Commercial Computer Aided Design Systems", in Digital Design [21st eCAADe Conference Proceedings] with Kyle Talbott; Graz, Austria 2003, pp. 279-285
- 2000 "Binary Oppositions: Are Computers Yet Aids For Design", in ACADIA Quarterly, 2000 Vol 19 No 3; Wassim Jabi and Shailesh Jain, eds. ACADIA 2000
- 1993 "Introducing CAD to a Big Corporation", in CAAD Futures '93: Proceedings of the Fifth International Conference on Computer-Aided Architectural Design Futures, 1993; Ulrich Flemming and Skip Van Wyk, eds. Elsevier Science Publishers B.V., Amsterdam 1993, pp. 497-512
- 1992 "Reint-Ops: A Tool Supporting Conceptual Design", in Computer supported design in architecture: mission, method, madness; Karen M. Kensek and Douglas Noble, eds. ACADIA 1992, pp. 221-232

Presentations and Lectures

- 2021 "Computational Opportunities at Construction's Digital-Physical Boundary " presentation for ACM Chicago
- 2017 to 2019 monthly GenerativeComponents Special Interest Group online broadcasts September 2017 to June 2019
- 2019 "Maze Runner—Your career's future?" presentations and discussions at Chapel Hill High School's Tigerfest, Chapel Hill, NC
- 2017 "What is Computational Design?" at the Association for Computing Machinery local meet-up, Raleigh, NC
- 2015 "Visual Programming with GenerativeComponents" presentation at University of Southern California BIM Symposium, Los Angeles, CA
- 2015 "Parametric Design Workshop Results" presentation at CAAD Futures 2015 Conference, MASP, Sao Paulo, Brazil
- 2015 German-language technical keynote co-presenter at Bentley CONNECTION Event, Wiesbaden, Germany
- 2015 "Implementation of Technologies for Optimization" presentation at TU Berlin Alumni Workshop 2015, Boston, MA
- 2015 "Shapes of Logic and Computational Design" Keynote presentation at Shapes of Logic Conference 2015, Wroclaw, Poland
- 2014 "Second Generation Prototype of a Design Performance Optimization Framework", ASCAAD 2014 Conference peer-reviewed paper, Jeddah, Saudi Arabia
- 2014 "German Architecture" presentation to German class at East Chapel Hill High School, Chapel Hill, NC
- 2013 "Computational Design", lecture at Pontificia Universidad Catolica de Chile, Santiago, Chile
- 2013 "Design Analysis and Optimization", workshop presentation at SIGraDi 2013 Conference, Valparaiso, Chile
- 2013 "Design Analysis and Optimization: Analytical Cloud Services for Design Optimization", presentation at Swedish Bentley User Group meeting, Stockholm, Sweden
- 2013 "Cloud-Based Design Analysis and Optimization Framework", peer-reviewed paper presentation at eCAADe 2013 Conference, Delft, The Netherlands
- 2013 "Second Iteration of Cloud-Based Analysis and Optimization Framework", poster presentation at Building Simulation Conference, Chambéry, France
- 2013 "Cloud Solution for the Analysis and Design of Offshore Wind Turbine Platforms" at EWRI CloudWEES Conference, Cincinnati, Ohio
- 2013 "BD3LC5 - Analytical Cloud Services for Design", presentation at Bentley LEARNing Conference, Philadelphia, PA
- 2013 "GenerativeComponents", presentation at Bentley UKI, London, UK; repeated at Foster + Partners and Rogers Stirk Harbour + Partners
- 2012 "GC + R&D in 15 minutes or so - stop me if you can :-)", presentation at Belgian Bentley User Group meeting, Brussels, Belgium
- 2012 "Parametrischer Entwurf und Multidisziplinäres Optimieren unter Nutzung von Cloud Services", at Bentley Kundentage, Wiesloch, Germany
- 2012 "Visual Narratives of Parametric Design History", peer-reviewed paper presentation at eCAADe 2012, Prague, Czech Republic
- 2012 "New Possibilities Through Generative Design: Sustainable Parametric Design", presentation at Bentley LEARNing Conference, Philadelphia, PA
- 2012 "Challenges and Expectations in Applied Research", presentation at KAUST GMSV summit, Jeddah, Saudi Arabia
- 2012 "Parametric Design", lecture at North Carolina State University, Raleigh, NC.
- 2011 "Sustainable Parametric Design", seminar presentation at Eocbuild America 2011 in Washington, D.C.
- 2011 "Developing Open Systems and Methods for Collaborative Modeling", presentation at AIA-TAP/Build Boston in Boston, MA.
- 2011 "Integrative Parametrics" panelist at ACADIA 2011, Banff, AB, Canada
- 2011 "Design Thinking" panelist at Design Thinking unConference 2011, Vancouver, BC, Canada
- 2011 "Digital Tools for Conceptual Design", presentation at Computing for Spatial Design, Architecture, and Construction Informatics, Schloss Etelsen, Germany
- 2011 "Rethinking Concept Design Tools", peer-reviewed paper presentation at CAADRIA 2011 in Newcastle, NSW, Australia
- 2010 "Smarter Cities", presentation at Smarter Cities workshop, eCAADe 2010, ETH Zurich, Switzerland
- 2010 "Parametric Design in Research and Practice", lecture at CEPT, Ahmedabad, India
- 2010 "Parametric Design", presentation at Zaha Hadid Architects, London, UK
- 2010 "Applied Research Group & GenerativeComponents", remote lecture for Pune workshop, India
- 2010 "Parametric Design Knowledge", KA Connect 2010 Conference, Chicago, IL
- 2010 "Research and Visions Update", Smartgeometry 2010 event, IAAC/Petit Palau, Barcelona, Spain
- 2009 "Smarter Geometry", Open Platform Smartgeometry event, TU Delft, The Netherlands
- 2009 "Applied Research for Sustainable Design", Airport Roundtable, Bremen, Germany
- 2009 "Layers of Intelligence in Design: a Cross-Section", recorded lecture for virtual BE Connected Conference
- 2009 "Change Design with Parametric Models", AIA Changing Times | Time for Change Conference, Chicago, IL
- 2009 "Ontology for Computational Design", eCAADe 2009 Conference peer-reviewed paper presentation, Istanbul, Turkey
- 2009 "GenerativeComponents", remote lecture, Anahuac University, Huixquilucan, Mexico
- 2009 "Rethinking Concept Design Tools" poster at CAAD Futures 2009 Conference, Université de Montréal, Montreal, Canada
- 2009 "Computation in Architectural Practice", Form Follows Technology symposium, RWTH Aachen, Germany
- 2009 "Conceptual Design Tools", ASCAAD 2009 Conference peer-reviewed paper presentation, University of Bahrain, Bahrain
- 2009 "Distributed Perspectives for Intelligent Conceptual Design", invited paper, Distributed Intelligence in Design symposium, University of Salford, Manchester, UK
- 2009 "Intelligent Parametric Design", remote lecture, Virginia Polytechnic Institute and State University (Virginia Tech)
- 2008 "Using IT to 'What If' Your Designs", AEC-ST Ecobuild 2008, Washington, DC
- 2008 Presentation and panelist at "Practice report: digital design strategies and the sustainable agenda", CITA, Copenhagen, Denmark
- 2008 "Future of Software" panelist at ACADIA 2008 Conference, Minneapolis, MN
- 2008 "Generative Design", Hamburg Academic Day at Bothe Richter Teherani, Hamburg, Germany

Presentations and Lectures continued

- 2008 "GenerativeComponents", BE Conference, Baltimore, MD
- 2008 "Early Design Feedback", Applied Research Seminar, BE Conference, Baltimore, MD
- 2008 "Computational Design", Applied Research Seminar, BE Conference, Baltimore, MD
- 2008 "GenerativeComponents", University of Kentucky, Lexington, KY
- 2007 "GenerativeComponents", Bentley BIM Summit, Tokyo, Japan
- 2007 "Building Information Modeling and Integrated Project Delivery", Bentley BIM Summit, Tokyo, Japan
- 2007 "BIM: Bridging the Gap between Airport Planning and Design", Airport Seminar, BE London, UK
- 2007 "Design Realisation (a search in progress)" Research Seminar, BE Conference London, UK
- 2007 "BIM Based Integrated Practice" BE Conference Los Angeles, CA
- 2007 "BIM & Sustainability in NBBJ's Practice" presentation at the BIM Executive Forum, New York, NY
- 2006 "BIM Project Delivery: Beyond the Surface" co-presenter, at the joint AIA Kentucky and AIA Indiana regional conference, Covington, KY
- 2006 "BIM Update" continuing education presentation to AIA Columbus Chapter meeting, Columbus, OH
- 2006 "i21: Virtual Reality based design processes as catalysts for innovation" DCC '06 Conference, Eindhoven, The Netherlands
- 2006 "Structural Engineering Best Practices" co-presentation with Korda/Nemeth at the Bentley International User Conference (BE 2006)
- 2005 "BIM Practice Report" continuing education presentation to AIA Columbus Chapter meeting, Columbus, OH
- 2005 "NBBJ's use of BIM" presentation to BIM Committee of the AIA CIO LFRT, Dallas, TX (with Carl Tully)
- 2005 "NBBJ's use of BIM in Architectural Practice" presentation at the German Automobile Makers Roundtable, Sindelfingen, Germany
- 2005 "Build As One At NBBJ - Practicing BIM" presentations in Minneapolis, MN, Columbus, OH, and New York, NY
- 2004 "Practicing BIM" presentation at the Bentley International User Conference (BE 2004)
- 2003 "Commercial CAD System As Design Tool", eCAADe 2003 Conference paper presentation, Technical University Graz, Austria
- 2003 "MicroStation TriForma with Bentley Architecture As Design Tool", Bentley International User Conference (BIUC 2003)
- 2002 "Concurrent Collaborative Design for Greater Productivity and Competitiveness", Bentley International User Conference
- 2002 "Objekt-orientiertes CAD-Entwerfen im Architekturbuero NBBJ", Fachhochschule Bochum, Germany
- 1993 "Introducing CAD to a Big Corporation", CAAD Futures '93 Conference peer-reviewed paper presentation, Carnegie Mellon University, Pittsburgh, PA
- 1992 "Reint-Ops: A Tool Supporting Conceptual Design", ACADIA '92 Conference peer-reviewed paper presentation, Clemson University, Charleston, SC
- 1992 "CAD and Visualization", CAMP-Conference, Leipzig, Germany
- 1992 "CAAD in early design stages", CAD & Graphics in Architecture and Construction workshop, Darmstadt, Germany

Workshops and Seminars

2018	Computational Design for Tunneling workshop at Mott MacDonald, Singapore
2018	Computational Design for Metro workshop at WSP Melbourne, Australia
2017	Parametric Rail and Tunneling workshop at Bentley Systems China, Beijing
2016	Smartgeometry workshop cluster "Parallel Parametrics" with Robert Woodbury et al., Chalmers University, Gothenburg, Sweden
2015	Scripting for Parametric Design Workshop at University College London, UK
2015	Parametric Design Workshop at Clemson University, Clemson, NC
2015	Parametric Design Workshop at University of Southern California BIM Symposium, Los Angeles, CA
2015	Parametric Design Workshop at CAAD Futures 2015 Conference, Sao Paulo, Brazil
2015	Parametric Design Workshop at Shapes of Logic Conference, Wroclaw, Poland
2014	Computational Design Workshop with GenerativeComponents, at Georgia Institute of Technology, Atlanta, GA
2014	Parametric Design, Analysis, and Multi-Objective Optimization – FUSION workshop at eCAADe 2014 at Northumbria University, Newcastle, UK
2014	Parametric Design Workshop with GenerativeComponents, at Technical University Graz, Austria
2014	GenerativeComponents Design Analysis and Optimization Workshop in London, UK
2013	Design Analysis and Multi-Disciplinary Optimization Workshop at SIGraDi 2013 Conference, Valparaiso, Chile
2013	Design Analysis and Multi-Disciplinary Optimization Workshop at ACADIA 2013 Conference, Waterloo, Ontario, Canada
2013	GenerativeComponents workshop for faculty, students, and practitioners at CITA, Copenhagen, Denmark
2013	Hands-on GenerativeComponents quick workshop with Mary Chip, Bentley LEARNing Conference, Philadelphia, PA
2013	GenerativeComponents Usability Lab at Bentley LEARNing Conference, Philadelphia, PA
2013	Smartgeometry workshop cluster "Transformational Strategies" with Benamy Turkienicz et al., University College London, UK
2013	GenerativeComponents workshops as preparation for sg2013 participants, University College London, UK
2013	Parametric Design workshop with GenerativeComponents at University of Cincinnati, Cincinnati, OH
2012	GenerativeComponents workshop at John Portman Architects with other practitioners and Georgia Tech participants, Atlanta, GA
2012	Parametric Design workshop with GenerativeComponents at Universidade do Rio Grande do Sul, Porto Alegre, Brazil
2012	Parametric Design workshop with GenerativeComponents at SIGraDi 2012 Conference, Fortaleza, Brazil
2012	Design Refinement with Conflicting Objectives workshop at eCAADe 2012, Prague, Czech Republic
2012	Open Systems and Methods for Built Environment Modeling workshop co-organizer at eCAADe 2012, Prague, Czech Republic
2012	Smartgeometry workshop cluster "Material Conflicts" cluster champion, Rensselaer Polytechnic Institute (RPI), Troy, NY
2012	GenerativeComponents workshop in Atlanta, GA
2011	Smartgeometry workshop cluster "Use the Force" co-champion, CITA, Copenhagen, Denmark
2010	GenerativeComponents workshop at CEPT, Ahmedabad, India
2010	"Conceptual Computational Design Tools: bridging the gap between abstract requirements and concrete implementation strategies", DCC 2010 Conference workshop, Universität Stuttgart, Germany
2010	GenerativeComponents workshop at Bilgi University, Istanbul, Turkey
2009	Parametric Design with GenerativeComponents workshop at Open Platform Smartgeometry event, TU Delft, The Netherlands
2009	GenerativeComponents workshop at ACADIA 2009 Conference, School of the Art Institute of Chicago (SAIC), Chicago, IL
2009	GenerativeComponents workshops in Mumbai, India
2009	"Parametric modeling for exploration of design options and adaptability to change", CAAD Futures 2009 Conference workshop, Université de Montréal, Montreal, Canada
2009	Parametric Design Exploration workshop at University of Salford, Manchester, UK
2009	Smartgeometry workshop senior tutor in San Francisco, CA
2009	Parametric Design with GenerativeComponents workshop at National University of Singapore, Singapore
2009	Parametric Design with GenerativeComponents workshop at Georgia Institute of Technology (Georgia Tech), Atlanta, GA
2008	Workshop "Exploring Design Options with Generative Components" at Ecobuild 2008, Washington, DC
2008	Parametric Design workshop at CITA, Royal Academy of Fine Arts, Copenhagen, Denmark
2008	GenerativeComponents workshop at the University of Michigan, Ann Arbor, MI
2008	GenerativeComponents workshop at the Ohio State University, Columbus, OH
2008	GenerativeComponents workshop at the University of Arkansas, Fayetteville, AR
2008	Smartgeometry workshop senior tutor in Munich, Germany
2008	GenerativeComponents workshop at the University of Pennsylvania, Philadelphia, PA
2007	GenerativeComponents tutor at the BE Conference in London, UK
2007	Smartgeometry workshop senior tutor at the BE Conference in Los Angeles, CA
2007	GenerativeComponents tutor at Ball State University Indianapolis, IN
2006	GenerativeComponents workshop senior tutor in Charlotte, NC
2006	Smartgeometry workshop senior tutor in Cambridge, UK
2005	Smartgeometry workshop tutor at Columbia University, New York NY
2005	Smartgeometry workshop tutor at MIT, Cambridge, MA
2004	Smartgeometry workshop tutor at University of Waterloo / University of Toronto, Canada
1998 to 2008	Professional level training of design technology tools to staff members at architecture firm NBBJ
1991 to 1993	Post-graduate researcher at the CGRG, Darmstadt, Germany; training professionals in 3D CAD and object-oriented design tools
1989 to 1991	Graduate Associate at the Ohio State University Department of Architecture

Project Participation

Research Collaboration Projects (as industry partner representing Bentley Systems)

2008 - 2019	Simon Fraser University Parametric Design Research Collaboration (Prof. Dr. R. Woodbury)
2012 - 2014	RegBIM project with BRE Wales, BRE UK, Cardiff University et al.
2011 - 2015	University College London EngD student sponsorship (Samuel Wilkinson; supervisor: Prof. S. Hanna)
2010 - 2011	CloudBIM project with Cardiff University
2009 - 2012	SCriPt project with Cardiff University

Architectural Projects

NBBJ

2007	Al Farabi, Almaty, Kazakhstan - computational design strategy and implementation
2007	Dostyk, Almaty, Kazakhstan - computational design strategy and implementation
2006 - 2008	Massachusetts General Hospital, Boston, MA - BIM and visualization
2006	Constellation XXL, Los Angeles, CA - general digital strategy, laser scanning research
2005 - 2008	Palo Alto Medical Facility, Palo Alto, CA - BIM and Integrated Project Delivery facilitator
2005 - 2006	i21 - Intervention Suite for the 21st Century - general digital strategy and CFD
2005 - 2008	Cleveland Clinic Foundation Glickman Tower, Cleveland, OH - BIM and consultant coordination
2005	Abu Dhabi Mixed Use Development - computational design strategy and implementation
2005	Al Babbain, Kuwait - computational design strategy and implementation
2004 - 2008	Providence Park Hospital, Novi, MI - BIM, visualization, laser cutting, 3D printing
2003 - 2004	Moscow Medical Center, Moscow, Russia - BIM, visualization, laser cutting, 3D printing
2003	Hamad Medical Center and Pan Asian Olympic Village, Qatar - distributed team coordination
2001 - 2008	Cleveland Clinic Foundation Heart Center, Cleveland, OH - BIM and consultant coordination
2001 - 2003	Medical University of South Carolina Hospital, Charleston, SC - BIM and visualization
1999 - 2001	Public Employees Retirement System, Columbus, OH - BIM, visualization, physical modeling, 3D printing

Review and Technical Committees, Competition Juries

(year is the conference or final competition year)

American Institute of Architects Conference on Architecture proposal reviews (phase1 through 3):

2018

International Journal of Architectural Construction (IJAC) paper reviews:

2017, 2014 (for 2015 CAADRIA issue), 2012, 2007, 2004.

Artificial Intelligence for Engineering Design, Analysis and Manufacturing (AIEDAM) journal article reviews:

2014, 2012.

Automation in Construction journal article review:

2011.

CAAD Futures Conference abstract reviews:

2017.

CAAD Futures Conference full paper reviews:

2017, 2015, 2013, 2007.

Association for Computer Aided Design in Architecture (ACADIA) full paper reviews:

2019, 2018, 2017, 2016, 2014, 2013, 2012, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002.

Association for Computer-Aided Architectural Design Research in Asia (CAADRIA) full paper reviews:

2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011.

CAADRIA 2011 best presentation jury member

education and research for Computer Aided Architectural Design in europe (eCAADe) extended abstract reviews:

2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004.

education and research for Computer Aided Architectural Design in europe (eCAADe) Regional Conference full paper review:

2013.

Sociedad Iberoamericana de Gráfica Digital (SIGraDi) extended abstract reviews:

2019, 2016, 2015, 2014, 2013, 2005.

CAADence in Architecture paper reviews:

2016

National Center for Women & Information Technology (NCWIT) Collegiate Award reviews:

2019, 2018, 2017, 2016

National Center for Women & Information Technology (NCWIT) Aspirations in Computing Award reviews:

2018, 2017, 2016, 2015, 2014, 2013, 2012, 2010

Future City North Carolina competition preliminary round presentation and model judge:

2019, 2018, 2016, 2015, 2014

Future City North Carolina city description and virtual city judge:

2019, 2018, 2017, 2016

Future City North Carolina essay and abstract judge:

2015, 2014, 2013, 2012

Future City Competition Ohio preliminary round presentation judge:

2008

Future City Competition Ohio essay and abstract judge:

2009, 2008, 2007, 2006, 2005, 2004

Future City Competition Ohio Region special awards jury:

2004

Smartgeometry applicants reviews:

2013, 2012, 2011

Pratt Institute, Brooklyn, NY. final project review critic:

2011

Katholieke Universiteit Leuven research proposal review:

2010

Cornell University generative design seminar midterm critic:

2008

Biennale Miami + Beach design competition semi-finalist jury:

2003

Civic and Professional Activities

2018 to 2019	Chair, Town of Chapel Hill, NC, Community Design Commission
2018 to 2019	Town of Chapel Hill, NC, Community Design Commission Design Awards sub-committee chair
since 2017	USA Archery Level 2 Instructor
2016 to 2019	Town of Chapel Hill, NC, Community Design Commission member
2016 to 2019	Association for Computing Machinery co-organizer, Research Triangle Park Region
since 2011	Association for Computer-Aided Architectural Design Research in Asia technical committee
2010 to 2017	National Institute of Building Sciences National BIM Standard Project Committee member
since 2009	Fulbright Academy of Science and Technology lifetime member
since 2008	Association for Computing Machinery member
2007 to 2008	National Institute of Building Sciences National CAD Standard Steering Committee member
2006 to 2007	National Institute of Building Sciences National CAD Standard Project Committee member
since 2004	education and research for Computer Aided Architectural Design in europe technical committee
since 2004	Future City juror
2004 to 2008	Treasurer, Association for Computer Aided Design in Architecture
since 2002	Association for Computer Aided Design in Architecture technical committee
2001 to 2003	Board of Directors, Knowlton School of Architecture Alumni Society, The Ohio State University
since 2000	American Fulbright Alumni Association lifetime member
2000 to 2008	Steering Committee, Association for Computer Aided Design in Architecture
2000 to 2008	AEC/IS Roundtable member
since 1999	Associate member of the American Institute of Architects
since 1997	Knowlton School of Architecture Alumni Society lifetime member
since 1993	Ohio State University Alumni Association lifetime member
since 1991	German Fulbright Alumni Association member
since 1990	Association for Computer Aided Design in Architecture member
since 1982	Akademischer Verein Huetten e. V., editors of technical and scientific literature since 1846

Honors

2017	August 2017 Social Advocate of the Month Award, Bentley Systems, Inc.
2007	NBBJ Partners' Award as member of the Sustainability Champions group
2006	Bentley Systems BE Award for BIM in Architecture (Providence Park Hospital)
2006	Bentley Systems BE Award for BIM for Visualization and Simulation (i21)
2004	Bentley Systems BE Award for BIM in Architecture (Moscow Medical Center)
2003	NBBJ Partners' Award as member of the Cleveland Clinic Foundation Heart Center project team
2002	NBBJ Design Award as member of the Cleveland Clinic Foundation Heart Center project team
2002	NBBJ Partners' Award as member of the One Firm Alignment team
2002	NBBJ Individual Achievement Award
2000	NBBJ Effort Award as member of the IS department
1999	NBBJ Technical Award as member of the IS department
1990	Mary-Ann-Trapp Scholarship
1990	Construction Specification Institute Scholarship
1989/90	Fulbright Sponsorship, German Fulbright-Commission
1988/89	Fulbright Stipend, German Fulbright-Commission
1987	Arnold-Knoblach-Stipend

Competitions

1993	2nd round: Buchenwald Concentration Camp Memorial Competition
1990	one of two 2nd places: Specifications Writing Competition, Construction Standardization Institute, Ohio Chapter, 1990

Personal Interests

bicycling, running, archery, hiking, photography, reading, exploring cityscapes and landscapes, architecture