

Paul W. Holley, Ph.D.

Professor
Curriculum Vitae

Academy

2002 – Present - Auburn University, Auburn, Alabama

•Faculty appointment in the *McWhorter School of Building Science* within Auburn University's *College of Architecture, Design, & Construction* **Rank:** Full Professor, Tenured

2014 – Present - Director; Center for Construction Innovation and Collaboration

•Academic Center housed within the College of Architecture, Design & Construction; responsible for strategic planning, administration of operations and finance, grants programs, intellectual property, and other components of the organization

2008 – 2013 – Co-Director; Master of Integrated Design & Construction Program

•Graduate program jointly housed between the McWhorter School of Building Science and the School of Architecture within the College of Architecture, Design & Construction at Auburn University

Honors, Awards and Appointments

Endowed Professorships

October 2026 – Present **John Wilborn Endowed Professorship for Senior Faculty**, appointment recognizing excellence in teaching, research, and leadership in the McWhorter School of Building Science

July 2015 – July 2020 **John Wilborn Endowed Professorship**, appointment recognizing excellence in teaching and research, and leadership in the McWhorter School of Building Science

April 2009 – April 2013 **Bob Aderholdt Endowed Professorship**, appointment recognizing excellence in teaching and commitment to the McWhorter School of Building Science

Fellowships and National Appointments

2020 - 2021 Selected as **Provost Fellow** representing Auburn University in the *SEC Academic Leadership Development Program* – one of six faculty selected university-wide

April 2014 - Inducted into the **National Academy of Inventors**

June 2010 – May 2014 **Executive Director** of the Architecture + Construction Alliance; a national organization whose Board is comprised of the 17 Deans whose respective academic units house programs in both architecture and construction management.

National Awards

October 2011 – Received the *Design Build Institute of America's* national “**Distinguished Leadership Award**”

April 2011 – Received the national **Educator of the Year** award, as selected by the *Associated Schools of Construction*.

March 2005 - Received the **John H. Trimmer Award for Excellence in Construction Education**, awarded nationally by *Associated Builders and Contractors*.

University and College Awards

November 2021 – Recipient of the **Emily and Gerald Leischuck Endowed Presidential Award for Excellence in Teaching** - Selected as one of two professors university-wide, is the highest award for teaching at Auburn University

May 2006 -Received the **2005-2006 Outstanding Faculty Honor Award** presented by the American Institute of Architecture Students at Auburn University

October 2004 -Received the first **CADC Collaboration Initiative Award** as selected by the Dean of the College and regional representative construction professionals from the Building Science Industry Advisory Council

Departmental/School Awards

- October 2025 – **McSBS Excellence in Teaching Award** as selected by the School Head
- October 2024 - **McSBS Excellence in Teaching Award** as selected by the School Head
- October 2023 – **Martin - Cobey Award for Excellence in Teaching**
- October 2022 – **Benning Fund for Excellence in Teaching Award**
- October 2020 - **Building Science Faculty of the Year Award** as selected by BSCI students
- October 2015 - **Building Science Faculty of the Year Award** as selected by BSCI students
- October 2011 - **Building Science Faculty of the Year Award** as selected by BSCI students
- April 2010 - **McWhorter School of Building Science Service Award** as awarded by the Head of School, for outstanding service in the Master of Design Build Program
- October 2007 - **Building Science Faculty of the Year Award** as selected by BSCI students
- May 2006 - **Collaborative Practice in Action Award**, awarded by the School of BSCI
- April 2005 – **Outstanding Faculty Advisor** as selected by the BSCI Department Head
- October 2003 - **Building Science Faculty of the Year Award** as selected by BSCI students

Teaching

Courses championed and/or regularly taught

BSCI 4610 - Construction Scheduling & Project Controls

BSCI 3800 - Contracting Business - Construction Finance, Project Delivery, and Contracts

BSCI 3300 – Construction Surveying & Layout

Graduate Students Advised

Served as Committee Chair or Committee Member for 50+ graduate students in MBC, MIDC, CPLN, and BSCI for a variety of capstones, independent studies, and undergraduate research projects

Other Contributions to Teaching and Programs Developed

- Regular instructor in the Master of Real Estate Development program (jointly housed with the Harbert College of Business) 2011 - Present
- Regular instructor in the U.S. Army Corps of Engineers Master of Building Construction program, and graduate certificate program 2009 - Present
- Studio+Build – Coordinate the only program of its kind to unite construction, design and engineering education with end-users and manufacturers to solve industry issues through product design. Interdisciplinary teams of undergraduate students from Industrial Design and Building Science work together to research inefficiencies and opportunities related to construction productivity and safety.
- Master of Integrated Design & Construction – Developed and co-directed unique graduate program centered around integrated delivery of projects in the built environment. The program’s mission included client partners’ actual building needs as the context for student research and deliverables, including private, public, and non-profit entities from across the U.S.
 - o Redeveloped entire 36 credit-hour curriculum
 - o Developed multiple new courses and studios
 - o In 2012, program received 2nd place in the American Institute of Architect’s (AIA) Technology in Architectural Practice BIM Academic Program/Curriculum Development.
- Competition Team Coaching - BSCI significantly supports student competitions in that these provide unique learning experiences for many students, and as a way for those students to differentiate themselves as well as represent Auburn University and the McWhorter School of Building Science in national and international stages. Coaches play a significant role in this process, providing individualized teaching, guidance and oversight. Teams coached:
 - 2025 ASC Region 8 (International, CM/Estimating), Dublin, Ireland. Placed 3rd overall
 - 2024 ASC Region 8 (International, CM/QS), Dublin, Ireland
 - 2023 ASC Region 8 (International, CM/QS), Liverpool U.K. Team placed 1st overall
 - 2022 ASC Region 8 (International, CM/QS), Prague, Czech Republic. Placed 2nd overall
 - 2021 ASC Region 8 (International, CM/QS), Birmingham/London U.K. Placed 1st overall
 - 2019 ASC Region 8 (International), Manchester, U.K.
 - 2018 ASC Region 2 – ‘concrete construction’ division
 - 2017 ASC Region 2 – team placed 1st regionally in the ‘concrete construction’ division
 - 2016 ASC Region 2 – team placed 1st regionally in the ‘concrete construction’ division
 - 2015 ASC Region 6&7 – team place 2nd nationally - ‘integrated design and construction’
 - 2014 ASC Region 8 (International), Birmingham, U.K. – team placed 1st internationally
 - 2014 ASC Region 2 – team placed 2nd regionally in the ‘concrete construction’ division
 - 2014 ASC Region 6&7 – team placed 2nd nationally - ‘integrated design and construction’
 - 2013 Design-Build Institute of America – team placed 2nd nationally
 - 2013 ASC Region 5 – team placed 2nd nationally in the ‘healthcare construction’ division
 - 2012 ASC Region 6&7 – team placed 3rd nationally - ‘integrated design and construction’
 - 2012 ASC Region 6&7 – team placed 2nd nationally - ‘integrated design and construction’
 - 2011 ASC Region 6&7 – team placed 2nd nationally - ‘integrated design and construction’
 - 2010 Chase Bank/Enterprise Graduate Competition, team place 3rd nationally behind MIT and Columbia with “Old Algiers Main Street Corporation” outreach project
 - 2006 ABC – team placed 4th nationally overall, and 1st nationally in Safety
 - 2005 ABC – team placed 2nd nationally overall, and 1st nationally in Estimating & Scheduling
 - 2004 ABC – team placed 4th nationally overall

Research, Publications, Grants, and Other Income

Copyrights and Patents

- Copyright PAu4-163-412 issued for “*Surveying & Layout – Reyes and Holley*”, 2nd Edition, issued by the U.S. Copyright Office; 2023
- Copyright #PA 1-289-428 for “*Surveying and Layout Fundamentals for Construction - Holley*” issued by the U.S. Copyright Office; 2005
- U.S. Provisional Patents as ‘Co-Inventor’- over 120 concepts, from 2009 - present
- U.S. **Non-Provisional** Full Utility Patents Issued, as ‘Co-Inventor’
 - Portable Sawhorse Workstation, U.S. Patent #8,757,323 B2
 - Tape Measure Anchoring Accessory, U.S. Patent #8,191,277 B2
 - Fall Restraint System, U.S. Patent #10, 118, 057 B2

Select Research and Publications

Published Books to date:

Reyes, M. and Holley, P. (2022). ***Surveying & Layout, 2nd Edition***, AU MPG/IPX, Auburn, AL. Copyright PAu4-163-412, distributed by the Media Production Group, Auburn University *Adopted for current use at Auburn University, University of Oklahoma, Texas A&M University, Colorado State, Virginia Tech, and other institutions.

Holley, P. (2004). ***Surveying & Layout Fundamentals for Construction***, ConstructEd LLC, Auburn, AL; U.S. Copyright #PA 1-289-428, distributed by John Wiley & Sons, and ConstructEd LLC *Adopted for use at institutions nationwide between 2004 and 2022

Book Chapter contributions:

Emig, J., Holley, P. (2011). “Enabling Integration,” published in BIM in Academia, published by the Yale School of Architecture, New Haven, CT, 2011 ISBN—978-0-9826385-8-3. Published by Yale University as a compilation of current best academic practices for parametric modeling - contributors from Auburn University, Stanford University, Columbia University, Penn State University, and IIT.

Monographs:

Holley, P., Emig, J. (2011). “Integrated Design and Construction, vol. 2” College of Architecture, Design and Construction, Auburn University, AL.

Holley, P., Emig, J. (2010) . “Integrated Design and Construction, vol. 1” College of Architecture, Design and Construction, Auburn University, AL.

Select Published Papers to date (full listing available upon request):

McMichael, P., Iglesias, C., Johnston, J., Holley, P., Peresin, S. (2024) “Case Study of Bio-Based Coagulation and Flocculation Systems to Treat Contaminants in Concrete Washout Water” *International Journal of Construction Education*, Associated Schools of Construction, 1–11. <https://doi.org/10.1080/15578771.2024.2389832>

- Reyes, M., Kuerten, B., Holley, P. (2024) "Video Killed the Radio Star, and Textbooks are Next", *CCE Enterprise, Journal of Research and Practice*, Vol 30, No. 1, Spring 2024
- Alathamneh, S., Lui, J., Collins, W., Holley, P. (2024) "Innovations In Drywall Installation Through Integrating Terrestrial Laser Scanning (TLS) And Building Information Modeling (BIM)", *Proceedings of The Fourteenth International Conference on Construction in the 21st Century (CITC-14)*, Rio De Janeiro, Brazil
- Street, P., Holley, P. (2019) "Alkalinity of Concrete Washout Water: A Pilot to Determine Jobsite Conditions for Potential Neutralization" *Proceedings of the Creative Construction Conference*, June 2019 Budapest, Hungary
- Lynn, E., Bush, B., Chavan, A., Holley, P. (2019) "An Interdisciplinary Pilot Study and Prototype Development for the Containment of Concrete Washout Waste" *Associated Schools of Construction Proceedings*, April 2019 Denver, CO
- Bugg, R., Holley, P. (2017) "Sloped Roof Fall Protection: A Case Study of the Development of a Portable Fall Protection Anchor Device" *Associated Schools of Construction Proceedings*, April 2017 Seattle WA
- Wetzel, E., Haynes, W., Holley, P. (2017) "Evaluation of Self-Modifications to Hand Tools in the Construction Industry" *Associated Schools of Construction Proceedings*, April 2017 Seattle WA
- Liu, J., Jenness, Jr., M., Holley, P. (2016) "Utilizing Light Unmanned Aerial Vehicles for the Inspection of Curtain Wall: A Case Study" *Proceedings of the Construction Research Congress of the American Society of Civil Engineers*, May 2016 San Juan, PR
- Holley, P., Mancill, S. (2014) "Employing LiDAR Scanning for Drywall Prefabrication: A Qualitative Pilot Proof of Concept Study" *Proceedings of the 2014 Construction Research Congress*, Georgia Institute of Technology, May 2014 Atlanta, GA
- Holley, P., Farrow, C. (2013) "Expanding Collaboration in Academia: A Case Study of the Development of Construction Products" *Journal of Professional Issues in Engineering Education and Practice* – American Society of Civil Engineers, Vol. 139, No. 2, April 2013
- Holley, P., Humphries, C., Thomas, J. (2013) "Efficacy of Improved Gang-box Prototypes: A Qualitative Study" *Associated Schools of Construction Proceedings*, 2013 San Luis Obispo, CA
- Holley, P., Perrine, T., Gamble, H. (2011) "Is Reflectorless EDM Technology Reliable for Building Construction Layout Tolerances?" *Associated Schools of Construction Proceedings*, 2011, Omaha, NE
- Holley, P., Emig, J. (2010) *Changing the Culture of Design and Construction Education in the U.S.* COBRA – Royal Institute of Chartered Surveyors International Conference Proceedings, Paris, France
- Emig, J., Holley, P. (2010) *Enabling Integration: BIM in Integrated Design and Construction Education*, Yale University BIM Symposium, New Haven, CT
- Holley, P., Liu, J. (2010) *Application of Hands-Free Communication Technology in Construction Surveying and Building Layout*, *Associated Schools of Construction Proceedings*, 2010, Boston, MA
- Ahn, Y., Holley, P., Kang, J. (2009) *Risk Management of Exchange Rates in International Construction*, *International Journal of Construction Education and Research*, Vol. 5, Issue 1

Farrow, C. & Holley, P. (2008) *Gulf Coast Hurricane Evacuation: A Case Study of an Inland County's "At-Risk" Shelters*, Associated Schools of Construction Proceedings, 2008, Auburn, AL

Grant Funding Information Available Upon Request

Outreach

ADECA – Greening the Southeast (2024-2026)

As part of an inter-college grant with Building Science alongside Architecture, Forestry, and Biosystems, interdisciplinary student teams will develop, construct and showcase a human-sized portable model in which Alabama constituents (and beyond) are apprised of current and future bio-building materials including: mass timber, lignin foams, plant-based insulation, composite materials using soy-based adhesives, and many other promising components.

Graduate Professional Services Outreach:

As a regular part of the Master of Integrated Design & Construction Program, directed students in project-based outreach in the form of professional-grade schematic design and pre-construction services for public and non-profit clients in need of the development and/or improvements to long term capital assets. Representative clients:

- City of Foley, AL
- Artspace, Minneapolis, MN
- Old Algiers Main Street Corporation, New Orleans, LA
- Neighborhood Development Foundation, New Orleans, LA
- River City Company, for the Chattanooga Library

Technical Assistance, Consulting, and Presentations: (2003 – Present)

- Currently lead a team of 24 university faculty from CM programs nationwide to deliver an 18-month management training curriculum for the United Brotherhood of Carpenters at their international training center, which has produced nearly 2000 graduates. February 2003 - present
- Led seminar on 'construction scheduling for Third Lens Ministries, March 2024
- Judged over 100 entries for the Excellence in Construction Awards Program for the Alabama Chapter of the Associated Schools of Construction (ABC), September 2024
- Judged over 50 entries for the Design Awards Program sponsored by the National Ready Mixed Concrete Association, Habitat for Humanity, and the American Collegiate Schools of Architecture, October 2022
- Led seminar 'Role of Motivation for Faculty' for the U.S. Air Force SOS Convergence, June 2022
- U.S. Army Corps of Engineers Headquarters, Washington, D.C. – invited to deliver three project controls classes for the USACE CM Communities of Practice. March 2021
- Solicited to provide pro bono scheduling services for regional multi-family developer in Columbus, GA. Lee County project, \$41MM. 2020-2021
- Solicited to provide surveying expertise for the Opelika Board of Education, a new track and field facility. August 2018
- Solicited to provide expert analysis and opinion in complaint filed, review of contract documents and work in place, commercial property in Lee County, AL. May 2018
- Solicited to provide expert analysis and opinion in complaint filed in federal court, defendant represented is one of the largest construction equipment providers in the U.S. April—October, 2011
- Provided Prototype Project Data for HERO non-profit housing program - Hale County, AL. April 2007
- Co-coordinated and demonstrated house framing and related construction progress activities for local Habitat for Humanity construction weekends as part of Collaborative Work

- program between 180 Architecture and Building Science students. October '03, February '04 and March '05
- Solicited to and provided expert opinion and testimony for a construction related case in Columbus, GA, hardware specification issues involving severe human injury. March 2004
 - Solicited to and provided expert opinion and testimony for a construction related case in Birmingham, AL, civil engineering design issues in a nationally recognized sports venue, claim value over \$2 million. October 2003

Service

National Level Service, Outside of Auburn University

- 2010 – present External Reviewer, candidates for P&T at multiple institutions including Georgia Tech, Texas A&M, Purdue University, Oklahoma State, the University of Denver, and several others.
- 2012 – present – International Journal of Construction Education and Research, editorial review board member
- 2005 – present Associated Schools of Construction Proceedings Paper Review Board
- 2016 Graduate Programs Review Team – College of Architecture, Georgia Institute of Technology
- 2014 – 2016 Unmanned Aerial Systems Task Force – Governor Robert Bentley and the State of Alabama
- 2010 – 2014 Executive Director, Architecture + Construction Alliance (A+CA); a national organization comprised of eighteen U.S universities whose respective academic units house programs in both architecture and construction management
- 2009 – 2014 A+CA Group National Liaison Leader – Research Group: Integrated Delivery
- 2009 – 2016 Royal Institute of Chartered Surveyors COBRA Proceedings Review Board

University Level Service

- 2025 – Present – Auburn University Design Review Committee
- 2024 – Present – Auburn University Committee for Intercollegiate Athletics
- 2024 – Present – Committee for Intercollegiate Athletics' Subcommittee for student-athlete health & welfare
- 2023 – Present - Auburn University Promotion & Tenure Committee for Appeals
- 2013 – 2022 - Auburn University Patent and Intellectual Property Committee
- 2021 – Samuel Ginn College of Engineering – Innovation Lab Director Search Committee
- 2014 – 2020 - Auburn University Promotion & Tenure Committee
- 2011 – 2014 – Auburn University Board of Trustees' Property and Facilities Committee
- 2011 – 2014 – Auburn University Design Review Committee
- 2007 – 2011 – Auburn University Senate – School of Building Science Senator
- 2006 – 2014 – Board of Directors; Auburn University Ecology Preserve, School of Forestry and Wildlife Sciences
- 2010 – Consultant to Campus Risk Management, Hurricane Evacuation Planning and Facilities
- 2005 – 2006 – Consultant to the Office of the President, Auburn University; construction, facilities, space planning
- 2002 – 2005 – Auburn University Senate Faculty Welfare Committee, member

College Level Service

2015 – present – Director, Center for Construction Innovation and Collaboration
2015 – present – CADC Research Committee, member
2015 – present – CADC Seed Grant Proposal Review Committee, member
2019 – APLA Professorship Review Committee
2019 – Urban Studio Facilities Design Committee
2010 – 2018, 2024 – Administered “Studio+Build” program
2008 – 2013 – Co-Director, Master of Integrated Design & Construction program
2012 – CADC Information Technology Manager search committee
2009 – 2011 CADC Dean’s Executive Committee – BSCI representative
2007 – Chair of Dean’s Interdisciplinary Collaboration Committee
2002 – 2008 - Started chapter and was first advisor for the Associated Builders and Contractors Student Chapter at Auburn University

Department/School Level Service

2015 – present – Construction Industry Fund of Alabama, Board Member
2019 – present – BSCI Thesis Redevelopment Committee Member
2009 – 2010 – Curriculum Committee member, Chair of Business Group Task Force
2003, 2004, 2006, 2007, 2008, 2014, 2016, 2021, 2023 – Tenure Track BSCI faculty and/or Instructor search committees, as chair or member

Professional Experience

January 2000 – May 2002 **Millstream Group, LLC, Atlanta, Georgia**
Principal

Owner of limited liability company for private development of commercial construction projects in the Southeastern United States, as well as commercial construction consulting in the Metro Atlanta area, Birmingham, South Florida, and elsewhere. Responsible for all phases of commercial development including business development, pro forma generation and evaluation, due diligence efforts, debt and equity sourcing, and project administration. Responsible for all consulting efforts including dispute resolution, program strategy formulation, mediation and arbitration strategy, pre-construction services, scope definition, budget and pro forma review, lender and contractor communication, and construction coordination. Elected to dissolve LLC to undertake academic appointment in 2002.

December 1995 – January 2000 **Bill Harbert Construction, div. of Bill Harbert International**
1998 – 2000 **Manager – Atlanta Division**

Opened commercial office for Birmingham, AL-based construction firm in Atlanta, Georgia. Responsible for business development, coordination and negotiations of commercial development projects, coordination of pre-construction services, post-procurement staffing, and operations profit and loss for the Atlanta Metro Area, Georgia, and surrounding states. Business development included industrial, healthcare and institutional facilities; clients included the Center for Disease Control (CDC), the State of South Carolina and Honda America.

1995 – 1998 Manager – Pensacola Division

Opened Florida Panhandle area office in Pensacola, FL; responsible for developing company presence in a new geographic market. Responsible for all office operations, including business development of negotiated and invited bid projects, private development negotiations, aided in site development and PC selection, pre-construction services coordination, and area profit and loss.

Negotiated and/or managed over \$80M in high-rise commercial construction projects on the gulf coast from Gulf Shores, Alabama to Ft. Walton Beach, Florida.

1989 – 1995 The Robins and Morton Group

Superintendent

Baptist Medical Center, Princeton, Birmingham, Alabama - Team leader in 1994 and 1995 as part of a ten year \$55M campus master-plan construction program, including MOB expansions, surgery overhaul feasibility programs, clinical and MOB interior renovations, and physical plant work.

HealthSouth Rehabilitation Hospital, Dothan, Alabama - Team leader for a new 55,000sf rehabilitation hospital - \$5.2M. Received *Associated Builders and Contractors Excellence Award* for this fast-tracked project that included 34 in-patient beds.

Three-year tenure as Assistant Superintendent and Project Engineer at Huntsville Hospital in Huntsville, Alabama as part of a \$50 M construction program to this 900+ bed facility for projects including Emergency Room renovations, Patient Tower additions, Elevator Tower and Support, Surgery/ Support Renovations, and Additions to Lakeshore Rehabilitation Hospital, new surgery suites, CICU and SICU.

Bayfront Medical Center, St. Petersburg, FL – Field Engineer for renovation to a 7-story patient tower, including acute care and head injury units.

Education

Doctor of Philosophy, Educational Foundations, Leadership & Technology, College of Education, Auburn University, Alabama

Management Development Program, Harvard University Graduate School of Education

Master of Business Administration, the University of Alabama, at Birmingham
Birmingham, Alabama

Bachelor of Science, Department of Building Science, School of Architecture
Auburn University, Auburn, Alabama

Beta Gamma Sigma - Business Honor Society, inducted member

Sigma Lambda Chi – Construction Honor Society, invited faculty member