

C. Ben Farrow, P.E., Ph.D.

Curriculum Vitae

Education

2016 - *Doctor of Philosophy in Adult Education*, Auburn University

2004 - *Master of Business Administration*, Vanderbilt University

1992 - *Master of Science in Civil Engineering*, University of Texas at Austin

1991 - *Bachelor of Science in Civil Engineering*, Duke University

Academic Appointments

August 2016 to Present - *Associate Dean for Academic Affairs and International Programs*
College of Architecture, Design and Construction, Auburn University

- Academic Programs and Curriculum
 - New academic programs and program revisions
 - Collaboration and cross-unit and cross-college programs
 - International programs
 - Course offerings, course and program enrollments
 - Academic standards, program review, and accreditation matters
- Student Affairs and Success
 - Student progress, retention, and graduation
 - Student advising, academic assistance and career planning
 - Student discipline issues
 - Information technology coordination
- Faculty Affairs
 - Recruitment, orientation, development and mentoring
 - Faculty awards and recognition programs
- Other Activities
 - Student recruitment
 - Budgeting
 - Facility renovation and maintenance
 - Strategic planning

August 2013 to August 2016 - *Associate Professor and Building Construction Program Chair*

McWhorter School of Building Science, Auburn University

- Instruction of undergraduate courses including Materials and Methods, Contracting Business, Construction Surveying, Structures, Drawings and Specifications, Construction Communication
- Instruction of graduate courses including Design/Build and Integrated Processes I

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- Direction of graduate thesis and undergraduate thesis
- Program representation to internal and external constituents
- Chair of BSCI Undergraduate Curriculum Committee
- Student inquiries/student recruitment
- Student competition team coordination
- Curriculum maintenance
- Course scheduling and assignments
- Accreditation requirements in conjunction with School Head (Reaccredited Summer 2014)

October 2012 to August 2013 - *Associate Professor*
McWhorter School of Building Science, Auburn University

- Instruction of undergraduate courses including Materials and Methods, Contracting Business, Construction Surveying, Structures, Drawings and Specifications
- Instruction of graduate courses including Design/Build and Integrated Processes I
- Direction of graduate thesis
- Recruitment of students
- Active participation with faculty, staff, and construction industry
- Competition team coach

August 2006 to October 2012 - *Assistant Professor*
McWhorter School of Building Science, Auburn University

- Instruction of undergraduate courses including Materials and Methods, Contracting Business, Construction Surveying, Structures, Drawings and Specifications
- Instruction of graduate courses including Design/Build and Integrated Processes I
- Direction of graduate thesis
- Active participation with faculty, staff, and construction industry
- Competition team coach

University, College, and Departmental Commitments

- Member of the Auburn University Graduate School Faculty
- Masters of Real Estate Development Faculty Member 2010-Present
- Army Corp of Engineers Master's Program Faculty 2010-Present

Professional Development

- Completed Auburn University "Young Faculty Scholars Program," 2008
- Completed Southeastern Conference Development Program, 2018

Research

Book

Farrow, C.B., Leathem, T., and Wetzel, E. (2022). *Teaching in the Built Environment: Creating Transformational Active Learning Experiences*. Routledge: New York.

Peer-Reviewed Journal Publications

Farrow, C.B. and Reyes, M. (2022). "Land-Grant University Strategic Plans: Are University-Level Service-Learning Goals Aligned with Construction Programs' Goals?" *International Journal of Construction Education and Research*, DOI: 10.1080/15578771.2022.2027052.

Farrow, C.B., Leathem, T., and Salman, A. (2022). "Evaluation of Learner versus Teacher Centered Syllabi in Construction Management Courses." *An Initial Investigation. International Journal of Contemporary Education*, 5:1, DOI: 10.11114/ijce.v5i1.5403.

Farrow, C.B. and Wetzel, E. (2021). "Faculty Perceptions of Interactive Learning Spaces within Construction Programs." *Journal of Civil Engineering Education*, 148:2, DOI: 10.1061/(ASCE)EI.2643-9115.0000058.

Wetzel, E.M. and Farrow, C.B. (2021) "Active Learning in Construction Management Education: Faculty Perceptions of Engagement and Learning." *International Journal of Construction Management*, DOI: 10.1080/15623599.2021.1974684

Farrow, C.B., and Wetzel, E. (2020). "An Active Learning Classroom in Construction Management Education: Student Perceptions of Engagement and Learning." *International Journal of Construction Education and Research*, 17-4, 299-317, DOI: 10.1080/15578771.2020.1757536.

Farrow, C.B., and Leatham, T. (2020). "The Syllabus as a Tool to Enhance Teaching & Learning in Construction Education." *International Journal of Construction Education and Research*, 17:3, 201-221, DOI: 10.1080/15578771.2020.1741049.

Farrow, C. B., and Holley, P.W. (2013). "Expanding Collaboration in Academia: A Case Study of the Development of Construction Products." *Journal of Professional Issues in Engineering Education and Practice*, 139, 139-147.

Farrow, C. B., Liu, J., and Tatum, M. (2011). "Curriculum Delivery and Assessment for Net Generation Construction Students." *International Journal of Construction Education and Research*, 7(2), 109-125.

Farrow, C. B. (2010). "A New Post-Tensioned Cable Chair: An Industry Evaluation." *American Institute of Constructors Journal*, 34(2).

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Farrow, C. B. (2009). "Evaluation of a Prototypical Mechanical Wood Truss Ladder." *Automation in Construction Journal*, 18(8), 1114-1122.

Peer-Reviewed Conference Proceedings and Presentations

Hanger, A.M., Farrow, C.B., Leathem, T., and Wetzel, E.M. (2023). "Maximizing High-Impact Practices in an Environmental Design Curriculum – An Introductory Study." *The IAFOR International Conference on Education*, Honolulu, Hawaii.

Farrow, C.B., Leathem, T., and Wetzel, E.M. (2023). "Perspective Convergence of HIPs, Moments, and Active Learning in Construction Management Education: Comparing and Combining Findings From Multiple Research Projects." *The IAFOR International Conference on Education*, Honolulu, Hawaii.

McGoey, K., Boyd, K., Farrow, B., Leathem, T., and Wetzel, E. (2022, October 9-11). "Peak Learning in High-Impact Practices: A Qualitative Study." *2022 Assessment Institute*, Indianapolis, Indiana.

Farrow, C. B. and Wentz, B. (2022, April 20-23). "COVID-19 and the 2021 ASC International Conference: Opportunities and Challenges Ahead." *Associated Schools of Construction International Proceedings of the 58th Annual Conference*, Atlanta, Georgia.

Farrow, C.B., Leathem, T., Wetzel, E.M., Boyd, K, and Mcgoey, K (2022, April 20-23). "Do High Impact Educational Practices Translate to Peak Learning Moments? An Introductory Study of Student Experiences in the Built Environment." *Associated Schools of Construction International Proceedings of the 58th Annual Conference*, Atlanta, Georgia.

Farrow, C.B., Wetzel, E.M., & Leathem, T. (2021, April 8-11). "An Initial Investigation of Student Experiences with Elements of High Impact Educational Practices." *Associated Schools of Construction Proceedings of the 57th ASC Annual International Conference*, Chico, California.

Farrow, C.B. and Wetzel, E.M. (2021, June 2-4). "Student Competitions: A High Impact Practice for Internationalization." *International Perspectives on University Teaching and Learning*, Orlando, Florida.

Farrow, C.B. (2020). "Demographic Challenges ahead for Construction Education." *Associated Schools of Construction International Proceedings of the 56th Annual Conference*, Liverpool, United Kingdom.

Farrow, C.B. and Redden, L. (2020 July 10-13). "Aligning Demographic Shifts and Student Participation in Construction Management Education." *Society of Open Innovation: Technology, Market, and Complexity (SOI)*, Daegu, South Korea.

Farrow, C.B. and Burt, R. (2020 September 7-8). "Service Learning-Aligning University Mission with Design and Construction." *Association of Researchers in Construction Management (ARCOM)*, Dublin, Ireland.

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Farrow, C.B., Leatham, T., and Simons, A. (2019, September 9-11). "Are Syllabi Optimizing Teaching and Learning for All?" *11th International Conference on Construction in the 21st Century*, London, United Kingdom.

Burt, R., and Farrow, C. B. (2018, September 3-5). "High Impact Educational Practices in Construction Education: An Evaluation of Student Involvement and Perceived Value." *Association of Researchers in Construction Management (ARCOM)*, Belfast, Ireland.

Buck, K., and Farrow, C. B. (2018, April 18-20). "On-Campus Student Recruitment in the Context of Design and Construction." *Associated Schools of Construction International Proceedings of the 54th Annual Conference*, Minneapolis, Minnesota.

Boyd, K.B., Burt, R., Farrow, C. B., and Good, M. (2017, April 5-8). "Lessons Learned in Helping Develop and Use a Quality of Assessment Rubric for Construction Program Learning Outcomes Assessment." *Associated Schools of Construction International Proceedings of the 53rd Annual Conference*, Seattle, Washington.

Farrow, C.B., and Taylor, J. M. (2016, September 19-22). "Correlating Learning Styles and Student Experience in a Construction Field Lab." *COBRA 2016/RICS International Research Conference*, Toronto, Canada.

Farrow, C.B., and Rahn, K. (2016, April 13-16). "How is a Construction Curriculum Built from a Set of Learning Outcomes?" *Associated Schools of Construction International Proceedings of the 52nd Annual Conference*, Provo, Utah.

Brown, L., Farrow, C. B., and Gunderson, D. (2014, March 26-29). "The Value Provided by the Associated Schools of Construction-An Initial Study." *Associated Schools of Construction International Proceedings of the 50th Annual Conference*, Washington, D.C.

Farrow, C.B. (2013, April 11-13) "The Introduction of an Online Learning Academy." *Associated Schools of Construction International Proceedings of the 49th Annual Conference*, San Luis Obispo, California.

Burt, R., and Farrow, C. B. (2012, September 5-6). "Delivering Construction Education for the Next Generation." *COBRA 2012/RICS International Research Conference*, Las Vegas, Nevada.

Farrow, C. B., McCabe, C., Michel, M., and Tatum, M. (2012, April 12-13). "A Preliminary Study to Enhance Communication on Construction Field Trips." *Associated Schools of Construction International Proceedings of the 48th Annual Conference*, Birmingham, England.

Burt, R., Farrow, C. B., and Holley, P.W. (2011, September 12-13). "Collaborative Efforts by a U.S. University to Produce Practical and Relevant Construction Research through Product Development and Intellectual Property." *COBRA 2011/RICS International Research Conference*, Manchester, England.

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Emig, J., Farrow, C.B., Glenboski, M., and Maloney, T. (2011, April 6-9). "Non-Conventional Financing Options for Community-Oriented Adaptive Reuse of Industrial Buildings." *Associated Schools of Construction International Proceedings of the 47th Annual Conference*, Omaha, Nebraska.

Farrow, C. B., and Kramer, S. (2011, April 6-9). "International Short-Term Service-Learning Trip: Assessing Student Perceptions." *Associated Schools of Construction International Proceedings of the 47th Annual Conference*, Omaha, Nebraska.

Farrow, C.B., and Smith, B.W. (2010, April 7-10). "Creating a Model to Evaluate Whether the Cost of Improved Temporary Lighting is Off-set by Increased Productivity," *Associated Schools of Construction International Proceedings of the 46th Annual Conference*, Boston, Massachusetts.

Farrow, C. B., Liu, J., and Tatum, M. (2010, April 7-10). "Establishing Curriculum Delivery Preferences of the Net Generation." *Associated Schools of Construction International Proceedings of the 46th Annual Conference*, Boston, Massachusetts.

Farrow, C. B., and Mouton, J. (2010, September 2-3). "Risk Allocation in Design-Construction: A Historical Perspective." *COBRA 2010/RICS International Research Conference*, Paris, France.

Farrow C. B., Meek, D., Smith, B.W., and Wetzel, E. (2010, September 2-3). "Preliminary Evaluation of Bagged Duct Covers during Construction." *COBRA 2010 / RICS International Research Conference*, Paris, France.

Farrow, C.B., Smith, B.W., and Tatum, M. (2010, September 2-3). "Creating a Specification for Installation and Maintenance of Temporary Lighting in Buildings Under Construction." *COBRA 2010 / RICS International Research Conference*, Paris, France.

Farrow, C. Ben. (2009, April 1-4). "A New Perspective on Lifting Wood Trusses." *Associated Schools of Construction International Proceedings of the 45th Annual Conference*, Gainesville, Florida.

Farrow, C. B., and Kramer, S. (2009, April 1-4). "Faculty Exploration of a Short Term, Service Learning, Study Abroad Opportunity in Quesimpuco, Bolivia." *Associated Schools of Construction International Proceedings of the 45th Annual Conference*, Gainesville, Florida.

Farrow, C. B., and Smith, B.W. (2008, April 2-4). "A Preliminary Study to Measure the Relationship of Lighting to Productivity on a Construction Project." *Associated Schools of Construction International Proceedings of the 44th Annual Conference*, Auburn University, Alabama.

Farrow, C.B., and Smith, B. W. (2008, April 2-4). "Construction Drawings: A Cost/Benefit Case Study of Weather and Tear Resistant Drawings." *Associated Schools of*

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Construction International Proceedings of the 44th Annual Conference, Auburn University, Auburn, Alabama.

Farrow, C. B., and Holley, P. W. (2008, April 2-4). "Gulf Coast Hurricane Evacuation: A Case Study of an Inland County's 'At-Risk' Shelters." *Associated Schools of Construction International Proceedings of the 44th Annual Conference*, Auburn University, Auburn, Alabama.

Farrow, C.B., Smith, B. W., and Walker, A. (2007, September 6-7). "Field Drawings: Evaluating the Use of Weather Resistant and Tear Resistant Medium." *Proceedings of the 2007 Royal Institute of Chartered Surveyors (RICS) Research Conference*, Georgia Institute of Technology, Atlanta, Georgia.

Azhar, S., Beckler, W., and Farrow, C. B. (2007, September 6-7). "Aggregate Piers and the Construction Classroom." *Proceedings of the 2007 Royal Institute of Chartered Surveyors (RICS) Research Conference*, Georgia Institute of Technology, Atlanta, Georgia.

Farrow, C.B., and Killingsworth, R. (2007, September 6-7). "Adaptive Reuse of Large Single-Tenant Retail Facilities: A Case Study." *Proceedings of the 2007 Royal Institute of Chartered Surveyors (RICS) Research Conference*, Georgia Institute of Technology, Atlanta, Georgia.

Farrow, C. B. (2007, July 18-20). "Integrated Steel Design: Applying Lean Concepts." *Proceedings of the 15th Annual Conference of the International Group for Lean Construction (IGLC-15)*, East Lansing, Michigan.

Farrow, C.B., and Smith, B. W. (2007, July 18-20). "Improved Temporary Construction Lighting as a Method of Improving Productivity and Quality." *Proceedings of the 15th Annual Conference of the International Group for Lean Construction (IGLC-15)*, East Lansing, Michigan.

Farrow, C.B. (2007, April 12-14). "Procuring Steel through an Early-Release Steel Package." *International Proceedings of the 43rd Annual Associated Schools of Construction Conference*, Flagstaff, Arizona.

Workshops and Presentations

Farrow, C.B., and Wetzel, E. (2023, May). "Transformative Active Learning Experiences (TALEs) Regardless of Class Type." *Workshop at International Perspectives on University Teaching and Learning Symposium*, Orlando, Florida.

Farrow, C.B., and Wetzel, E. (2021, May). "International Competitions as High Impact Educational Practices." *Workshop at International Perspectives on University Teaching and Learning Symposium*, Orlando, Florida.

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Farrow, C.B. (2020, September). "Shades of Green in the Associated Schools of Construction." *Keynote Presentation at SEEDS International Conference*, Leeds, United Kingdom.

Farrow, C.B. and Hartarska, V. (2020, August). "International Recruiting." *Workshop at the 2020 Passport to the World: Best Practices in Internationalization symposium, hosted by the Global Teaching Academy*, Auburn University, Auburn, Alabama.

Farrow, C.B., Gunderson, D., Kysar, D., Sullivan J., Leatham, T., and Tingerthal, J. (2019, July). "Construction Expertise Exchange." *Workshop at Innovation in Build Environment Education Conference*, Salford, England.

Burt, R., Farrow, C.B., Kim, J., Leatham, T., and Wetzel, E. (2019, July). "Bringing the Construction Site into the Classroom." *Workshop at Innovation in Build Environment Education Conference*, Salford, England.

Farrow, C.B. (2018, April) "Academic Leadership Workshop." *Workshop at ASC International Conference*, Minneapolis, Minnesota.

Burt, R., and Farrow, C.B. (2013, May). "The Construction Academy at the McWhorter School of Building Science." *Workshop at Innovation in Built Environment Conference*, London, England.

Grants

- Co-Recipient of 2022 Construction Integration and Collaboration Grant on Peak Learning Experiences of BSCI Alumni
- Co-Recipient of 2020 Construction Industry Fund Grant for Research on Active Learning Faculty Perspectives
- Recipient of 2011 Construction Industry Fund Grant on Establishing a Construction Education Research Hub at Auburn University.
- Co-Recipient of 2011 Construction Industry Fund Grant for Research on Improved Hearing on Construction Field Trips
- Recipient of 2010 Construction Industry Fund Grant for Duct Covers to Meet Clean Air Requirement
- Recipient of 2009 Atlanta Building Science Alumni Gift for Post-Tension Chair Research
- Recipient of 2009 Construction Industry Fund Grant for Sustainable Construction Principles
- Recipient of 2007 Construction Industry Fund Grant for Research on Prioritizing Red Cross Evacuation Shelters in Lee County, Alabama

Honors and Awards

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- 2023 Research and Practice Best Scholarly Presentation-Assessment Institute, Indianapolis, Indiana
- 2014-2019 McWhorter School of Building Science Hunt Endowed Professorship
- 2014 CADC Student Council Outstanding Faculty Member
- 2013-2014 McWhorter School of Building Science Aderholt Endowed Professorship
- 2012 McWhorter School of Building Science Outstanding Professor Award
- 2009 and 2012 Faculty Excellence Award
- 2009 Outstanding Faculty Member as presented by CADC Student Council
- 2009 Associated Schools of Construction National Teaching Award
- 2006-2007 and 2008-2009 McWhorter School of Building Science Service Award

Outreach

Published Continuing Education Videos

Farrow, Ben. *Introduction to Storm Water Management for Construction Sites*. Auburn University, August 2008.

Service

Auburn University

- International Strategic Plan Committee – Subcommittee Chair, 2018-2019
- International Advisory Committee, 2016-Present
- University Assessment Committee, 2016-Present
- WISE Steering Committee, 2012-2019
- Auburn University Faculty Senate Non-Tenure Track Faculty Committee, 2009-2016
- Auburn University Design Review Committee, 2008-2009
- AU Planning Committee for the Diversity Research Initiative, 2007-2011

College of Architecture, Design and Construction

- Budget Advisory Committee, 2017-Present (Chair, 2017-Present)
- International Programs Committee, 2016-Present (Chair, 2016-Present)
- Research Council, 2016-Present
- Curriculum Committee, 2014-Present (Co-Chair, 2016-Present)
- Program Chair Committee, 2014-Present (Co-Chair, 2016-Present)
- Strategic Planning Committee, 2014-2016

McWhorter School of Building Science

- Co-Coached ASC Region 5 International Design Build Team to 1st Place finish, 2015
- Co-Coached DBIA Design Build to 2nd Place Nationally, 2014
- Auburn University Undergraduate Program Officer for Building Science, 2013-Present
- Co-directed International Service-Learning Project in Quito, Ecuador 2010 and 2012
- Coached Auburn University “Heavy Civil Team,” 2007-Present
 - Best Presentation 2007 and 2011

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- Best Technical Analysis 2008
- Second Place 2010
- First Place 2006 and 2015
- Advisor to Sigma Lambda Chi National Honor Society 2006-2011

Professional Organizations

- Construction Management Association of America Board Member, 2018-2020
- Associated Schools of Construction 1st Vice President, 2018-Present
- Associated Schools of Construction 2nd Vice President, 2015-2018
- Associated Schools of Construction Treasurer, 2014-2015
- International Construction Education Research Journal (IJCER) Editorial Review Board, 2012-Present
- Reviewer for Construction Management and Economics Journal, 2012-Present
- Reviewer for Automation in Construction Journal, 2012
- Reviewer for International Journal of Construction Education and Research, 2011-Present
- Associated Schools of Construction Regional Director, 2011-2013
- Reviewer for COBRA Conference sponsored by Royal Institute of Chartered Surveyors, 2010
- Associated Schools of Construction Assistant Regional Director, 2009-2010
- Reviewer for Associated Schools of Construction Proceedings, 2006-Present

Industry Experience

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| 2003-2006 | TRC International, Ltd.
Managing Principal | Brentwood, TN |
| | <ul style="list-style-type: none">● Managed office of 45 design professionals in various fields of Civil Engineering (Structures, IT, Site/Civil, Transportation, Precast Detailing, and Steel Detailing)● Reviewed, approved, and oversaw budgets for groups exceeding \$5,000,000 | |
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| 2001-2003 | TRC International, Ltd.
Structural Engineering Manager | Brentwood, TN |
| | <ul style="list-style-type: none">● Managed U.S. staff of 6 and India staff of 7 individuals who produced design documents for structural projects up to \$50,000,000 in construction costs● Served as Project Manager and Engineer of Record on a multitude of projects● Provided key customer contact and resolution of customer service matters● Established budgets, fees, and schedules for all projects | |

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1996-2001 **Structural Design Group, Inc.** **Birmingham, AL**
Associate

- Negotiated fees and handled complete structural projects from Schematic Phase through Construction Administration
- Acted as Engineer of Record on wood, steel, concrete, and masonry structure
- Marketed the firm and managed retirement account
- Managed other engineers who were active in the design and/or construction administration phases of a given project

1992-1996 **LaneBishopYorkDelahay, Inc.** **Birmingham, AL**
Design Engineer/Project Engineer

- Employed initially as design engineer to perform calculations on specific building elements
- Designed beams, columns, and lateral systems subject to gravity, wind, and seismic forces
- Engineered and managed complete structural projects and reported on several structural failures

Professional Affiliations

Beta Gamma Sigma - Business Honor Society, member

Sigma Lambda Chi – Construction Honor Society, member

Phi Kappa Phi - Honor Society, member