

## **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
- Direction of graduate thesis and undergraduate thesis
- Program representation to internal and external constituents

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- Chair of BSCI Undergraduate Curriculum Committee
- Student inquiries/student recruitment
- Student competition teams coordination
- Curriculum maintenance
- Course scheduling and assignments
- Accreditation requirements in conjunction with School Head (Reaccredited Summer '14)

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 2010-2016

#### **Professional Development**

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

#### **Research**

##### **Peer-Reviewed Journal Publications**

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*. 139: 139-147.

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Farrow, C. Ben; Liu, Junshan; and Tatum, Mark C. (2011) "Curriculum Delivery and Assessment for Net Generation Construction Students", *International Journal of Construction Education and Research*, 7:2, 109-125.

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

Farrow, C. Ben. (2009), "Evaluation of a Prototypical Mechanical Wood Truss Ladder", *Automation in Construction Journal*, Volume 18, Issue 8, December 2009, Pages 1114-1122, ISSN 0926-5805, DOI: 10.1016/j.autcon.2009.07.006.

(<http://www.sciencedirect.com/science/article/B6V20-4X5BNY4-1/2/5f07bbdb5e32feeb229636966979fb6d>).

### **Peer-Reviewed Conference Proceedings**

Farrow, C. Ben and Buck, Katherine. (2018) "On-Campus Student Recruitment in the Context of Design and Construction", Associated Schools of Construction International Proceedings of the 54<sup>th</sup> Annual Conference, Minneapolis, Minnesota, 18-20 April 2018.

Farrow, C. Ben, Burt, Richard, Good, Megan, Boyd, Katie B. – (2017) "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 53<sup>rd</sup> Annual Conference, Seattle, WA, 5-8 April 2017.

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

Rahn, Keith, Farrow, C. Ben. (2016) "How is a Construction Curriculum Built from a Set of Learning Outcomes?", Associated Schools of Construction International Proceedings of the 52<sup>nd</sup> Annual Conference, Provo, UT, 13-16, April 2016

Farrow, C. Ben; Gunderson, David; and Brown, Lori. (2014) "The Value Provided by the Associated Schools of Construction-An Initial Study", Associated Schools of Construction International Proceedings of the 50<sup>th</sup> Annual Conference, Washington, DC, 26-29 March 2014.

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

Farrow, C. Ben; Burt, Richard. (2012) "Delivering Construction Education for the Net Generation", COBRA 2012/RICS International Research Conference, September 5 & 6, 2012, Las Vegas, Nevada.

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Farrow, C. Ben; Tatum, Mark; Michel, Matt; and McCabe, Cherilyn. (2012) "A Preliminary Study to Enhance Communication on Construction Field Trips", Associated Schools of Construction International Proceedings of the 48<sup>th</sup> Annual Conference, Birmingham, England, United Kingdom, 12-13 April 2012.

Farrow, C. Ben; Holley, Paul W.; and Burt, Richard. (2011), "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, September 12 & 13, 2011, Manchester, United Kingdom.

Farrow, C. Ben; Emig, Josh; Maloney, Tyler; and Glenboski, Michael. (2011) "Non-Conventional Financing Options for Community-Oriented Adaptive Reuse of Industrial Buildings", Associated Schools of Construction International Proceedings of the 47<sup>th</sup> Annual Conference, Omaha, Nebraska, 6-9 April 2011.

Farrow, C. Ben and Kramer, Scott W. (2011), "International Short-Term Service Learning Trip: Assessing Student Perceptions", Associated Schools of Construction International Proceedings of the 47<sup>th</sup> Annual Conference, Omaha, Nebraska, 6-9 April 2011.

Smith, Bruce W. and Farrow, C. Ben. (2010), "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 46<sup>th</sup> Annual Conference*, Boston, Massachusetts, 7-10 April 2010.

Farrow, C. Ben, Liu, Junshan, and Tatum, Mark. (2010), "Establishing Curriculum Delivery Preferences of the Net Generation", *Associated Schools of Construction International Proceedings of the 46<sup>th</sup> Annual Conference*, Boston, Massachusetts, 7-10 April 2010.

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

Farrow, Smith, Wetzel, Meek. (2010), "Preliminary Evaluation of Bagged Duct Covers during Construction", COBRA 2010 / RICS International Research Conference, September 2 & 3, 2010, Paris, France.

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

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

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Farrow, C. Ben and Kramer, Scott. (2009), "Faculty Exploration of a Short Term, Service Learning, Study Abroad Opportunity in Quesimpuco, Bolivia", *Associated Schools of Construction International Proceedings of the 45<sup>th</sup> Annual Conference*, Gainesville, Florida, 1-4 April 2009, 50% Contribution.

Smith, Bruce W. and Farrow, C. Ben. (2008), "A Preliminary Study to Measure the Relationship of Lighting to Productivity on a Construction Project", *Associated Schools of Construction International Proceedings of the 44<sup>th</sup> Annual Conference*, Auburn University, Alabama, 2-4 April 2008, 50% Contribution.

Smith, Bruce W. and Farrow, C. Ben. (2008), "Construction Drawings: A Cost/Benefit Case Study of Weather and Tear Resistant Drawings", *Associated Schools of Construction International Proceedings of the 44<sup>th</sup> Annual Conference*, Auburn University, Alabama, 2-4 April 2008, 50% Contribution.

Farrow, C. Ben, and Holley, Paul W. (2008), "Gulf Coast Hurricane Evacuation: A Case Study of an Inland County's 'At-Risk' Shelters", *Associated Schools of Construction International Proceedings of the 44<sup>th</sup> Annual Conference*, Auburn University, Alabama, 2-4 April 2008, 50% Contribution.

Smith, Bruce W.; Farrow, C. Ben; and Walker, Austin. (2007), "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, 6-7 September 2007, 33% Contribution.

Farrow, C. Ben; Azhar, Salman; and Beckler, William. (2007), "Aggregate Piers and the Construction Classroom". *Proceedings of the 2007 Royal Institute of Chartered Surveyors (RICS) Research Conference*. Georgia Institute of Technology, Atlanta, Georgia, 6-7 September 2007, 40% Contribution.

Killingsworth, Roger and Farrow, C. Ben. (2007), "Adaptive Reuse of Large Single-Tenant Retail Facilities (Case Study)", *Proceedings of the 2007 Royal Institute of Chartered Surveyors (RICS) Research Conference*, Georgia Institute of Technology, Atlanta, Georgia, 6-7 September 2007, 60% Contribution.

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

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

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

### **Grants**

- Recipient of 2011 Construction Industry Fund Grant for research on Improved Hearing on Construction Field Trips
- Recipient of 2008 Atlanta Building Science Alumni Gift for Post-Tension Chair Research
- Recipient of 2006 Construction Industry Fund Grant for research on Prioritizing Red Cross Evacuation Shelters in Lee County, Alabama

### **Honors and Awards**

- 2014 CADC Student Council Outstanding Faculty Member
- 2014 McWhorter School of Building Science Hunt Endowed Professorship
- 2013 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

- WISE Steering Committee, Fall 2012-Present
- International Advisory Committee, 2016-Present
- Auburn University Faculty Senate Non-Tenure Track Faculty Committee 2009-Present
- Auburn University Design Review Committee 2008-09
- AU Planning Committee for the Diversity Research Initiative (Fall 2007-Fall 2011)

College of Architecture, Design and Construction

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

### McWhorter School of Building Science

- Auburn University Undergraduate Program Officer for Building Science 2013-Present
- Coached Auburn University "Heavy Civil Team" 2007-Present (Co-coached in 2006, 2008, 2010)
  - Best Presentation 2007 and 2011
  - Best Technical Analysis 2008
  - Second Place 2010
  - First Place 2006 and 2015
- Co-Coached ASC Region 5 International Design Build Team to 1<sup>st</sup> Place finish 2015
- Co-Coached DBIA Design Build to 2<sup>nd</sup> Place Nationally 2014
- Co-directed International Service Learning Project in Quito, Ecuador 2010 and 2012
- Advisor to Sigma Lambda Chi National Honor Society 2006-2011

### Professional Organizations

- Construction Management Association of America Board Member 2018-2019
- Associated Schools of Construction 1<sup>st</sup> Vice President 2018-Present
- Associated Schools of Construction 2<sup>nd</sup> Vice President 2015-2018
- Associated Schools of Construction Treasurer 2014-2015
- Associated Schools of Construction Regional Director 2011-2013
- Associated Schools of Construction Assistant Regional Director 2009-2010
- International Construction Education Research Journal (IJCER) Editorial Review Board 2012-Present
- Reviewer for Construction Management and Economics Journal 2012-Present
- Reviewer for International Journal of Construction Education and Research 2011-Present
- Reviewer for Associated Schools of Construction Proceedings 2006-Present
- Reviewer for Automation in Construction Journal 2012
- Reviewer for COBRA Conference sponsored by Royal Institute of Chartered Surveyors 2010

### Industry Experience

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|------------------|--|----------------------|
| <b>2003-2006</b> | <b>TRC International, Ltd.</b>   | <b>Brentwood, TN</b> |
|                  | Managing Principal   |                      |
|                  | <ul style="list-style-type: none"><li>• Managed office of 45 design professionals in various fields of Civil Engineering (Structures, IT, Site/Civil, Transportation, Precast Detailing, and Steel Detailing)</li><li>• Reviewed, approved, and oversaw budgets for groups exceeding \$5,000,000</li></ul> |                      |
| <b>2001-2003</b> | <b>TRC International, Ltd.</b>   | <b>Brentwood, TN</b> |
|                  | Structural Engineering Manager   |                      |
|                  | <ul style="list-style-type: none"><li>• 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</li></ul>  |                      |

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- 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

**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*