

DARREN A. OLSEN, J.D.

Curriculum Vitae

CURRENT EMPLOYMENT	
	August 2008 to Present McWhorter School of Building Science Auburn, AL <i>Associate Professor</i>
EDUCATION	
	JURIS DOCTOR Graduated May 2003 University of Mississippi BACHELOR OF SCIENCE, BUILDING CONSTRUCTION Graduated with honors May 2000 M. E. Rinker School of Building Construction University of Florida
EMPLOYMENT HISTORY	
	February 2007 to July 2008 The Clark Construction Group Columbus, GA <i>Project Manager</i> <ul style="list-style-type: none">▪ Managing a design/build Army trainee barracks complex at Fort Benning.▪ Worked in the preconstruction and estimating departments at our regional office. August 2003 to January 2007 Smith Cashion & Orr, PLC Nashville, TN <i>Construction Attorney</i> <ul style="list-style-type: none">▪ Worked at the largest construction law practice in the state of Tennessee▪ Litigated numerous construction disputes while representing owners, contractors, subcontractors, and design professionals.▪ Practiced in both State and Federal Courts and regularly participated in Alternative Dispute Resolution.▪ Regularly attended conferences and earned CLE's devoted to the practice of construction law and analyzing the changes within the construction industry. Periodically 1998 to 2002 The Clark Construction Group Tampa, FL <i>Project Engineer</i> <ul style="list-style-type: none">▪ Knoxville Convention Center Duties included Preconstruction, Payment Application Review, Subcontractor Coordination, and Document Control.

	<ul style="list-style-type: none"> ▪ Memphis Cook Convention Center Assisted with the negotiation and processing of numerous change orders. ▪ Pinellas County Jail Complex Duties included document control, architect correspondence, payment application processing, project closeout and subcontractor coordination. ▪ Other projects in Tennessee and Mississippi Supervised completion of surety takeover projects.
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COURSES TAUGHT AND TEACHING AT AUBURN UNIVERSITY

	<p>BSCI 1100 Introduction to Construction BSCI 2350 Materials and Methods II BSCI 3500 Construction Information Technology I BSCI 3600 Project Controls I (Estimating) BSCI 3650 Project Controls II (Preconstruction / Project Management) BSCI 3660 Preconstruction and Project Management BSCI 4360 Service Learning BSCI 4500 Construction Information Technology II BSCI 4600 Project Controls III (Scheduling) BSCI 4850 Construction Law BSCI 4860 Advance Construction Information Technology BSCI 4990 Senior Thesis BSCI 5960 Special Problems: Construction in Culture BSCI 6970 Foundations I, Estimating BSCI 7100 Graduate Seminar (Project Management) BSCI 7106 Construction Cost Estimation BSCI 7106 Construction Sustainability INDC 6510 Design & Construction Process INDC 6610 Design Build Studio ENVD 3300 Systems in the Build Environment II</p>
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HONORS, AWARDS & ACTIVITIES

	<ul style="list-style-type: none"> ▪ Outstanding Faculty Teaching Award 2025 College of Architecture Design and Construction, Auburn University The Outstanding Faculty Teaching Award is voted on by the senior class of the School of Building Science. ▪ Outstanding Faculty Teaching Award 2012-2013 College of Architecture Design and Construction, Auburn University The Outstanding Faculty Teaching Award is voted on by the senior class of the School of Building Science. ▪ Associated Schools of Construction Regional Teaching Award 2012 Associated Schools of Construction (Southeast)
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The Associated Schools of Construction Regional Teaching Award is presented to faculty members in Region II of the Associated Schools of Construction who demonstrate outstanding teaching. Recipients are determined by a vote of the faculty membership present at Region II meetings.

▪ **Outstanding Faculty Teaching Award 2008-2009**

College of Architecture Design and Construction, Auburn University

The Outstanding Faculty Teaching Award is voted on by the senior class of the School of Building Science.

▪ Student Competition Team Awards:

October 2014 – 1st Place

Coached Auburn University’s Design-Build student competition team to a 1st Place finish at the Associated Schools of Construction 2014 Region II Competition in Greensboro, NC.

October 2011 – 1st Place

Coached Auburn University’s LEED student competition team to a 1st Place finish at the Associated Schools of Construction 2011 Region II Competition in Birmingham, Ala.

October 2010 – 2nd Place

Coached Auburn University’s LEED student competition team to a 2nd Place finish at the Associated Schools of Construction 2010 Region II Competition in Birmingham, Ala.

UNIVERSITY, COLLEGE, DEPARTMENTAL AND INDUSTRY COMMITMENTS

- Board of Trustees Faculty Representative
- Faculty Research Committee, Auburn University
- E-Portfolio Grants Committee, Auburn University
- Proxy Senator Faculty Senate
- Scholarship Committee, McWhorter School of Building Science
- Faculty advisor for USGBC Students, McWhorter School of Building Science
- Multiple College Search Committees, CADC
- Building Science Thesis Revision Committee
- Building Science Field Lab Committee
- Multiple Department Search Committees, McWhorter School of Building Science
- Coached multiple Student Competition Teams

CURRENT RESEARCH INTEREST

Augmented Reality
 Construction Management
 Prefabrication
 Construction Law

MEMBERSHIPS & LICENSES

- National Academy of Inventors
- Tennessee Law License
- State of Florida Certified General Contractor, (CGC#1523626)
- State of Alabama Licensed General Contractor, (#55945)
- State of Alabama License Home Builder, (#27408)
- LEED Accredited Professional

SCHOLARSHIP

- **United States Patent**

“Measuring Apparatus and System”

US Patent No. 8,266,807

Date of Patent: September 18, 2012

Inventor: Darren Olsen

This was only the second non-provisional patent to be awarded in the McWhorter School’s history. Currently we are seeking to commercialize this product.

- **Publications**

Azhar, Salman, Wade A. Carlton, Darren Olsen and Irtishad Ahmad (2011). “Building Information Modeling for Sustainable Design and LEED® Rating Analysis.” Journal of Automation in Construction, Vol. 20, Issue 2, pp. 217-224.

Liu, Junshan, Darren Olsen, and Michael Hein, (2011). “Enhancing Construction Education Using an Online Multimedia Collection.” International Journal of Construction Education and Research, Vol.2, Issue 2, pp. 84-108.

Kim, J., & Olsen, D. (2024, September). An Approach Toward Training Better Construction Industry Installers by Using Augmented Reality. In International Conference on Extended Reality (pp. 127-137). Cham: Springer Nature Switzerland.

Kim, J., Olsen, D., & Renfroe, J. (2022, May). Construction workforce training assisted with augmented reality. In 2022 8th International Conference of the Immersive Learning Research Network (iLRN) (pp. 1-6). IEEE.

Kim, J., & Olsen, D. (2021). From BIM to inspection: a comparative analysis of assistive embedment inspection. In ISARC. Proceedings of the International Symposium on Automation and Robotics in Construction (Vol. 38, pp. 909-915). IAARC Publications.

Kim, J., & Olsen, D. (2021). Expanding the Analysis of Using Augmented Reality for Construction Embedment Inspections. In ASC 2021. 57th Annual Associated Schools of Construction International Conference.

Olsen, Darren, J. Mark Taylor, Jeffrey Kim, (2019) “Using Augmented Reality for

Masonry and Concrete Embed Coordination.” Creative Construction Conference Proceedings, Budapest, Hungary.

Olsen, Darren, Mark Tatum, (2018). “BIM Layout: Combining Hardware and Software to Enhance the traditional classroom BIM experience.” Creative Construction Conference Proceedings, Ljubljana, Slovenia.

Olsen, Darren, Varner, Duncan, (2016). “Design-Assist Delivery for Prefabricated Building Components.” 52nd Annual International Conference of the Associated Schools of Construction, Provo, Utah.

Taylor, Mark, Darren Olsen, (2015). “Construction Management at Rick.” Cobra Conference Proceedings, Sydney, Australia.

Olsen, Darren, Mark Taylor, (2015). “The Pinpoint Placement Tool A Cost Effective Solution for Layout.” Creative Construction Conference Proceedings, Krakow, Poland.

Olsen, Darren, Mark Taylor, and Elizabeth Broadbeck, (2014). “Tree Preservation and the Construction Process: A Survey of Design and Construction Professionals” Proceedings. 50th ASC Annual International Conference, Washington, D.C.

Olsen, Darren and Mark Taylor, (2013). “Efficient Project Delivery (EPD) – A new contract delivery process” Proceedings. COBRA RICS Research Conference, New Delhi.

Olsen, Darren and William Ralston, (2013). “Utilizing Prefabrication in Lean Construction: A Reasoned Decision or an Educated Guess?” Proceedings. 49th ASC Annual International Conference, San Luis Obispo, CA.

Olsen, Darren, Mark Tatum and Christopher Defnall, (2012). “How Industrial Contractors are Handling Skilled Labor Shortages in the United States” Proceedings. 48th ASC Annual International Conference, Birmingham, UK.

Olsen, Darren and Mark Tatum, (2012). “Bad for Business: Skilled Labor Shortages in Alabama’s Construction Industry” Proceedings. 48th ASC Annual International Conference, Birmingham, UK.

Olsen, Darren, Roger Killingsworth and Brandon Page, (2012). “Change Order Causation; Who is the Guilty Party?” Proceedings. 48th ASC Annual International Conference, Birmingham, UK.

Taylor, Mark and Darren Olsen (2012). “Integrated Project Delivery: Not a Panacea for Everyone” Proceedings. 48th ASC Annual International Conference, Birmingham, UK.

Olsen, Darren and Mark Taylor, (2011). “Sustainable Building Contracts: Hidden

Damage Potentials” Proceedings. COBRA RICS Research Conference, Manchester, UK.

Taylor, Mark and Darren Olsen, (2011). “Integrated Project Delivery: the problem of decreased cash flow” Proceedings. COBRA RICS Research Conference, Manchester, UK.

Taylor, Mark and Darren Olsen, (2011). “Do Professional Credentials Supported by ASC Member Schools Focus on Those Most Likely to Enhance a Student’s Professional Development?” Proceedings. 47th ASC Annual International Conference, Omaha, NE.

Olsen, Darren and Richard Burt (2010). “The Chip Voting System: Bridging the Gap between Industry and Faculty during a Curriculum Revision.” Proceedings. 46th ASC Annual International Conference, Boston.

Olsen, Darren and Mark Taylor, (2010). “Building Information Models as Contract Documents: Common Practice for the U. S. Construction Industry – A Preliminary Report” Proceedings. COBRA RICS Research Conference, Paris.

Azhar, Salman, Wade A. Carlton, Darren Olsen and Irtishad Ahmad (2010). “Using Building Information Modeling to Streamline LEED® Rating Analyses.” Proceedings. International Conference on Sustainable Urbanization, Hong Kong.

Liu, Junshan, Darren Olsen, and Michael Hein, (2010). “Student Perception of an Online Multimedia Library for Construction Education.” Proceedings. 46th ASC Annual International Conference, Boston.

Taylor, Mark and Darren Olsen, (2009). “Professional Credentials: What Associated Schools of Construction (ASC) Members are Doing.” Proceedings. 46th ASC Annual International Conference, Boston.

▪ **Grants**

2020 – Applying Augmented Reality to Construction Quality Inspections, CoPI Auburn’s Center for Construction Innovation and Collaboration (“CCIC”) \$15,000

2016 - Development of Teaching Materials of Advanced Construction Survey Technology, CoPI Auburn’s Center for Construction Innovation and Collaboration (“CCIC”) \$28,000

2014 - Construction Management at Risk (CM@Risk) - A Study of CM@Risk Legislation in Alabama and Program Development for Educating Owners and Contractors, CoPI Auburn’s Center for Construction Innovation and Collaboration (“CCIC”) \$12,984

2012 – An Experiment Using Building Information Model (BIM) to Enhance Teaching and Student Learning in Construction Education, CoPI College of

	<p>Architecture Design and Construction (“CADC”) \$3,000</p> <p>2011 – Change Order Data Mining, CoPI Auburn’s Center for Construction Innovation and Collaboration (“CCIC”) \$4,000</p> <p>2010 – Pinpoint Placement Tool PI CCIC \$3,000</p> <p>2010 - Use of Building Information Modeling for Sustainability Analyses, Design and LEED® Rating of Facilities</p> <p>CoPI CADC \$9,000</p> <p>2009 - CIF Research Proposal: An innovative tool to aid in underground utility layout for residential construction, PI Auburn’s Construction Industry Fund (“CIF”) \$8,560</p> <p>2009 - Undergraduate Research Fellowship: An innovative tool for construction layout, PI CIF \$3,000</p> <p>2009 - Undergraduate Research Fellowship: A survey of construction related education in secondary vocational schools, PI CIF \$3,000</p> <p>2009 - Using Building Information Modeling (BIM) to Streamline LEED® Rating Analyses (Phase II), CoPI CADC \$8,000</p>
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