

# Dustin Albright

ASSOCIATE AIA, LEED AP BD+C

dalbrig@clemson.edu

864.656.3905

## EDUCATION

BACHELOR OF SCIENCE IN PHYSICS–ENGINEERING (2003)

Washington and Lee University  
Magna Cum Laude

MASTER OF SCIENCE IN CIVIL ENGINEERING: STRUCTURES (2006)

Virginia Polytechnic Institute and State University

MASTER OF ARCHITECTURE (2008)

Virginia Polytechnic Institute and State University  
Graduate Thesis Award

## PROFESSIONAL WORK

CLEMSON UNIVERSITY SCHOOL OF ARCHITECTURE – Clemson, SC

Assistant Professor (August 2014 – present)

CLEMSON UNIVERSITY – Clemson, SC

Faculty-In-Residence (August 2012 – May 2015)

Responsibilities: out-of-class engagement with residential students; founding Campus Partner to Clemson University Design Community (CUDC), a new living-learning residential community for design majors

CLEMSON UNIVERSITY SCHOOL OF ARCHITECTURE – Clemson, SC

Lecturer (August 2012 – August 2014)

DUSTIN ALBRIGHT DESIGN – Greenville, SC

Residential Designer (May 2011–December 2012)

Responsibilities: design services for home additions and renovations

Clients: Single-Family Residential

CRAIG GAULDEN DAVIS - Greenville, SC

Project Designer (June 2008 – August 2014)

Responsibilities: project management; programming; schematic design; construction documents; master planning; marketing

Clients: Public and Academic Libraries; Higher Education; K-12; Cultural Arts; Ministry

## COURSES TAUGHT

Clemson University School of Architecture

- Graduate Design Studio IV: Entry Studio* – ARCH 8510 (Fall 2012, '13, '14)
- Undergraduate Structures I* – ARCH 2700 (Fall 2012, '13, '14; Spring '16; Fall 2016)
- Graduate Studio VI: Comprehensive Studio* – ARCH 8920 (Spring 2013, '14, '15, '16, '17)
- Graduate Structures II* – ARCH 8710 (Spring 2013, '14, '15, '17)
- Introduction to Craft* – ARCH 6770 (Fall 2015)
- Graduate Design Studio V: Fluid Studio* – ARCH 8570 (Fall 2015, '16)
- Undergraduate Fluid Studio* – ARCH 3510 (Fall 2016)
- Undergraduate Synthesis Studio* – ARCH 4520 (Fall 2016)

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## STUDENT ADVISEE AWARDS

2016 AIA South Atlantic Region Student Merit Award. "Changing Perspectives" by Sarah Glass and Beth Koepfel.

2016 AIA South Carolina Student Honor Award. "The Goat Farm Performing Arts Center" by Nick Irmen and Alex Libengood.

2014 Clemson Graduate Research and Discovery Symposium. "Solar Grove Pavilion" by Alex Libengood. 1<sup>ST</sup> Place within College of Architecture Arts and Humanities.

2013 AIAS/AGA Ascension Design Competition. "Freedom. Ascension" by Nick Tafel. Tied for 1<sup>ST</sup> Place internationally. Co-Advisor with Annemarie Jacques.

## RESEARCH ACTIVITY

As a founding fellow in the Wood Utilization + Design Institute at Clemson University, I am involved in ongoing research with advanced wood and timber structures. This includes Massive Timber, from CLT to hybrid long-span systems, as well as digitally-fabricated light wood solutions. I am also engaged in pedagogical research relating to creative and effective Structures and Building Technologies instruction.

## SELECTED PUBLICATIONS

### PEER-REVIEWED JOURNAL ARTICLES

D. Albright, D. Harding, D. Pastre, U. Heine, V. Blouin, "Assembling the Digital House by Hand: Lessons from Deep Engagement and Guiding the Experimental Impulse," *Journal of Technology | Architecture + Design (TAD)*, volume 1, issue 1 (2017): 92-106. ISSN \_ 2475-1448

D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre, "Indigo Pine: Net Zero Performance in a Unique Package," *Procedia Environmental Sciences*, volume 38 (2017): 60-67. ISSN \_ 1878-0296

D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre, "Sim[PLY]: Rapid Structural Assemblies Using CNC-Fabricated Plywood Components," *International Journal of Computational Methods and Experimental Measures (CMEM)*, volume 5, issue 4 (2017): 532-538. ISSN \_ 2046-0554

### PEER-REVIEWED CONFERENCE PAPERS

2016 Sustainable Built Environment Conference (SBE) | Thessaloniki, Greece  
Sustainable Synergies from Buildings to the Urban Scale

D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre, N. Huetten, "Sim[PLY]: Sustainable Construction with Prefabricated Plywood Componentry." (2016).

2016 Sustainable Built Environment Conference (SBE) | Thessaloniki, Greece  
Sustainable Synergies from Buildings to the Urban Scale

D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre, "Indigo Pine: Net Zero Performance in a Unique Package." (2016).

5th Int'l Conference on Mobile, Adaptable and Rapidly Assembled Structures (MARAS) | Sienna, Italy

D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre, "Sim[PLY]: Rapid Structural Assemblies Using CNC-Fabricated Plywood Components." (2016).

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2016 Sustainable Futures Conference (SFC) | Nairobi, Kenya

*Architecture and Construction in the Global South*

D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre. "Sim[PLY]: Enabling Sustainable Human-Centered Construction Through Prefabricated Plywood Components." (2016).

2016 World Conference on Timber Engineering (WCTE) | Vienna, Austria

D. Albright, M. Stoner, V. Blouin, D. Harding, U. Heine, D. Pastre. "Sim[PLY]: Innovative Platform Framing With CNC-Fabricated Plywood Componentry." (2016).

2016 Passive and Low Energy Architecture (PLEA) International Conference | Los Angeles, California  
*Cities, Buildings, People: Towards Regenerative Environments*

D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre. "Sim[PLY]: Achieving Carbon Neutrality Through Innovative Building Assemblies and Processes" (2016).

2016 EAAE / ARCC International Conference | Lisbon, Portugal

*Architectural Research Addressing Societal Challenges*

V. Blouin, D. Albright, D. Harding, U. Heine, D. Pastre. "A Solar Decathlon House Intentionally Designed to Increase Teaching Opportunities." (2016).

2015 Passive and Low Energy Architecture (PLEA) International Conference | Bologna, Italy

*Architecture in Revolution*

D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre. "Sim[PLY]" (2015).

2015 Building Technology Educators Society (BTES) International Conference | Salt Lake City, Utah

*Intersections & Adjacencies: Leadership in Architectural Technology Education*

D. Albright. "Action and Reaction: Balancing the Dual Challenges of Breadth and Depth in Undergraduate Structures Instruction." pp. 233-239 (2015).

2015 Architecture Research Centers Consortium (ARCC) International Conference | Chicago, Illinois

*The FUTURE of Architectural Research*

D. Albright. "Recalibrated: An Interdisciplinary, Studio-Based Study of Massive Timber for Student Housing." pp. 631-638 (2015).

2014 Associated Collegiate Schools of Architecture (ACSA) International Conference | Seoul, South Korea  
*Open Cities: The New Post-Industrial World Order*

D. Albright, C. Barrios, U. Ersoy, D. Harding. "Intra-Disciplinary Pedagogy In Design: A Case Study for Collaboration and Diversity in a Research-Based Design Studio" (2014).

## PEER-REVIEWED PROJECT POSTERS

2015 Building Technology Educators Society (BTES) International Conference | Salt Lake City, Utah

*Intersections & Adjacencies: Leadership in Architectural Technology Education*

D. Albright, C. Barrios, U. Ersoy, and D. Harding. "Form, Cast, Strip: Exploring Precast Concrete Construction Through Tessellated Component Design" (2015).

## OTHER JOURNAL ARTICLES

D. Albright. "Architectural Fashion and the Changing Faces of Yellow Sulphur Springs." *The Smithfield Review*, volume XII (2008).

## DIRECTED GRADUATE RESEARCH

M.S. Graduate Research | Brooks Forest Products Center, Virginia Tech (2004-05)  
Studied railing post-to-deck connections under Dr. Joseph Loferski and Dr. Frank Woeste. This research has been published in *The Journal of Light Construction* (February 2005), *Wood Design Focus* (Summer 2006), and *Structure* (July 2007), and was referenced in the American Forest & Paper Association (AF&PA) *Prescriptive Residential Deck Construction Guide, DCA 6* (2009).

## GRANTS, AWARDS, AND FUNDED RESEARCH

FUNDED STUDIO. "Hobcaw Studio." (awarded), May 2017. Topical service-learning studio supported through Clemson Public Service and Agriculture and the Wallace F. Pate Foundation in the amount \$51,568. Interdisciplinary planning and design projects for Clemson University's Baruch Institute of Coastal Ecology and Forest Science. Principal Investigator w/ professors Paul Russell and Dan Harding.

THE JOHN BLACKBURN FUNDED STUDIO. "Studio Appalachia." (awarded), August 2016. Topical service-learning studio supported through gift from alumnus John Blackburn in the amount of \$25,000. Interdisciplinary projects focused on master planning and facilities design for two regional sites, including the Clemson University Equine Center. Principal Investigator w/ professors Paul Russell and Kristine Vernon.

USDA AGRICULTURE AND FOOD RESEARCH INITIATIVE. "An Interdisciplinary Approach to Building the Bioproducts Workforce." (applied but not awarded), July 2016. Four-year grant in the total amount of \$2,653,854 for developing interdisciplinary online certificate programs in the area wood and timber design and engineering. The grant also targets K-12 outreach activities relating to sustainable wood structures. Co-Investigator w/ professors Pat Layton (PI), Tim Brown, Thomas Cousins, Dan Harding, Weichiang Pang, and Brandon Ross.

USDA FOREST SERVICE. "Expanding the Use of Wood Products in South Carolina." (awarded), April 2015. \$250,000 grant to research the factors limiting the use of wood in non-residential buildings in South Carolina, and to propose strategies for promoting the expanded use of wood as a structural material in publicly-funded buildings. Co-Investigator w/ professors Pat Layton (PI), Dan Harding, Weichiang Pang, and extension associate Susan Guynn.

SOFTWOOD LUMBER BOARD. "Advanced Softwood Morphologies: Design Instruction for Emerging Wood and Timber Technologies." (applied but not awarded), October 2014. \$144,226 funding for a dedicated series of studio courses, supplemental instruction, and summer research on the topic of advanced wood design and massive timber systems. PI w/ contribution from professors Weichiang Pang, Carlos Barrios, and Pat Layton.

CLEMSON UNIVERSITY CAAH INTERDISCIPLINARY H.A.B. GRANT. "Shared Space: Architecture and Design Meet Geopolitics and Political History – a Humanities Course." (applied but not awarded), September 2014. \$5,000 seed funding for developing an interdisciplinary summer course coinciding with the *Prague Quadrennial of Performance Design and Space*. Co-PI w/ professors Shannon Robert, Michael Meng, and Rachel Moore.

CLEMSON UNIVERSITY OFFICE OF GLOBAL ENGAGEMENT SEED GRANT. "Shared Space: Architecture and Design Meet Geopolitics and Political History – a Humanities Course." (applied but not awarded), September 2014. \$4,864 seed funding for developing an interdisciplinary summer course coinciding with the *Prague Quadrennial of Performance Design and Space*. Co-PI w/ professors Shannon Robert, Michael Meng, and Rachel Moore.

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PRECAST CONCRETE INSTITUTE FOUNDATION. "Precast Performative Morphologies." (awarded) September 2014. \$100,000 awarded for a 4-year cycle of dedicated studio courses and supporting instruction on the topic of precast concrete design and construction. Co-Investigator w/ professors Carlos Barrios (PI), Ufuk Ersoy, Dan Harding, Ulrike Heine, Brandon Ross, and Scott Schiff.

UNITED STATES DEPARTMENT OF ENERGY. "Clemson University Solar Decathlon 2015." (awarded) February 2014. \$50,000 funding in support of Clemson's 2015 Solar Decathlon entry. Co-Investigator w/ professor Vincent Blouin (PI) and fifteen others from a wide range of University departments.

## INVITED PRESENTATIONS + EXHIBITIONS + INSTALLATIONS

"Hands and Things: Leverage Technology to Incite Constructive Participation" – Des Moines, IA. 2017 BTES Conference. Prepared w/ Dan Harding and David Pastre. (06.09.17)

"Assembling the Digital House By Hand: Lessons from Deep Engagement and Guiding the Experimental Impulse" – Detroit, MI. 105<sup>th</sup> ACSA Annual Meeting. TAD Journal session. w/ Dan Harding. (03.25.17)

"Assembling the Digital House By Hand: Designing and Building an Idea" – Augsburg, Germany. University of Augsburg Design/Build Symposium. (03.21.17)

"Wood Renaissance: Wood Design + Building in North America" – Augsburg, Germany. University of Augsburg Wood Design class lecture. (3.20.17)

"Spaces for Innovation: Materials and Technologies of the Indigo Pine House" – Charleston, SC. AIA Charleston section meeting. (07.20.16)

"Wood + Timber Design: Trends and Outlook" – Webinar. Southern Regional Extension Forestry's Climate Learning Network monthly webinar. (07.14.16)

"Wood + Timber Design: Trends and Outlook" – Clemson, SC. Southern Wood Utilization Education Summit. (05.11.16)

"Indigo Pine: Re-Thinking Housing and Reshaping Architectural Education" – Greenville, SC. AIA Greenville section meeting. w/ students David Herrero and Alex Latham, and alumnus Anthony Wohlers. (02.10.16)

Indigo Pine House – Irvine, CA.

2015 Solar Decathlon Competition sponsored by the U.S. Department of Energy.  
w/ Vincent Blouin, Dan Harding, Ulrike Heine, and Dave Pastre. (10.08.15 – 10.18.15)

"Bringing Hand Craft to Construction and Connecting Campuses From Across the Region" – Highlands, NC. 2015 Society of Building Science Educators (SBSE) Retreat. *Regions and Localities*. w/ Dave Pastre (presenter), Vincent Blouin, Dan Harding, and Ulrike Heine. (06.16.2015 – 06.19.2015)

"Clemson University Indigo Pine" – Columbia, SC. AIA Columbia section meeting. w/ students Clair Dias, Alex Latham, and Alison Martin. (04.15.2015)

"Recalibrating: Studio + Technology" – Greenville, SC. AIA Greenville section meeting. (04.16.2014)

"Recalibrated: Collaborative Learning + Multifamily Housing + Mass Timber" – Asheville, NC. AIA Asheville section meeting. (12.04.2013)

"The Face of a Community: How Architecture Expresses Common Values" – Greenville, SC. 2013 SCLA/SELA Joint Conference. w/ David Dixon, Andrea Kuhfuss, and Stuart Stenger. (11.15.2013)

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*Nicholtown Pocket Park: A Theater of Play* - Greenville, SC (April 2011)  
Permanent installation in Greenville's Nicholtown Community executed during AIA Greenville's Architecture Month 2011. w/ Professor Dan Harding and *Community 1:1* seminar class

*ALTERATION 2010, Kinetic Intervention* – Greenville, SC (April 2010)  
Temporary kinetic sculpture installation at Greenville's Peace Center Plaza executed during AIA Greenville's Architecture Month 2012. w/ Professor Dan Harding and 4<sup>th</sup> year studio class

## THESIS COMMITTEES

COMMITTEE MEMBER for Graham Montgomery, M.S. Civil Engineering. "Hollow Massive Timber Panels: A High-Performance, Long-Span Alternative to Cross Laminated Timber." (2014)

## BUILT STUDENT PROJECTS

*Indigo Pine West* - Clemson, SC (October 2015)  
The IPW house was assembled, displayed, tested, and disassembled in conjunction with the 2015 Solar Decathlon Competition sponsored by the U.S. Department of Energy.

*Indigo Pine East* - Clemson, SC (Spring 2015)  
The IPE house was designed and built on campus as a fully-functional prototype in advance of the 2015 Solar Decathlon Competition sponsored by the U.S. Department of Energy.

*Nano-Brewery Mobile Lab* - Clemson, SC (Spring 2014 - Directed Study)  
This Design/Build project converted a small flatbed trailer into a fully functional and demonstration-ready mobile laboratory for the Clemson Brew Crew. The project was jointly sponsored by the Brew Crew, its associated Creative Inquiry class, and the Community Research and Design Center.

## HONORS AND AWARDS

CREATIVITY PROFESSORSHIP  
Clemson University College of Architecture, Arts and Humanities.  
April 2016 (2-year term)

## SERVICE

### PEER REVIEWER

- *Journal of Technology | Architecture + Design*, Issue 2.1, 2018.
- *Journal of Technology | Architecture + Design*, Issue 1.2, 2017.

### DEPARTMENTAL AND UNIVERSITY SERVICE

- CLEMSON UNIVERSITY UNDERGRADUATE ACADEMIC INTEGRITY COMMITTEE (2016 – present)
- SCHOOL OF ARCHITECTURE FACULTY SEARCH COMMITTEE (2016)
- PROFESSIONAL LIAISON TO AIA BOARD OF DIRECTORS (2014 – present)
- CLEMSON SCHOOL OF ARCHITECTURE UNDERGRADUATE ACADEMIC ADVISOR (2014 – present)
- CAREER EXPO PLANNING COMMITTEE (2013 – present)

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## PROFESSIONAL SERVICE

PROFESSIONAL LIAISON (2014 – present)

AIA South Carolina Board of Directors

Liaison to between the Board and the Clemson University School of Architecture

DIRECTOR OF DESIGN (2012)

AIA Greenville Executive Committee

COMMITTEE CHAIR (2011, 2012)

AIA Greenville Architecture Month Committee

\*Architecture Month 2011 was honored with a Presidential Citation for Outstanding Programming by AIA SC

FOUNDER AND DIRECTOR (April 2010, April 2011, April 2012)

ALTERATION – A public installation event for downtown Greenville, SC

COMMITTEE MEMBER (2009, 2010)

AIA Greenville Architecture Month Committee