

ULRIKE HEINE

Current Position

since Sept. 2007 **Clemson University | School of Architecture**
Associate Professor
3-106 Lee Hall | Clemson, SC 29631
T. +1 (864) 633 6836 | Fax. +1 (864) 656 1810
E. ulheine@clemson.edu

Education and Degrees

1994 *Vordiplom* (Bachelor of Architecture equivalent)
Brandenburg University of Technology Cottbus | Germany
1994 -1995 *ERASMUS* (European Community Action Scheme for the Mobility of University Students)
Escuela Técnica Superior de Arquitectura Barcelona | Spain
1999 *Diplom* (Master of Science in Architecture equivalent)
Brandenburg University of Technology Cottbus | Germany

Academic Experience

August 2017- 2021 **Clemson University | School of Architecture** | USA
Appointment as Assistant Director for the School of Architecture
[Architecture, Landscape Architecture, Historic Preservation and Resilient Urban Design]
August 2014 **Clemson University | School of Architecture** | USA
Appointment as Associate Chair for Architecture
Since August 2014 **Clemson University | School of Architecture** | USA
Tenure and Promotion to Associate Professor and Associate Chair
Sept. 2007- 2014 **Clemson University | School of Architecture** | USA
Assistant Professor
Field: Design and Sustainability
• Studios taught: ARCH 251/ 452/ 851/ 892/ 893/ 894
• Seminars taught: ARCH 873/ 874/ 879
• Research: Energy Efficient and Climate Specific Affordable Building Design
2004 - 2007 **Technical University Berlin** | Germany
Lecturer
Field: Construction and Climatic Design
• Responsible for teaching graduate design studios, seminars and giving lectures in climatic design and construction
• Educational assistant to the foreign ERASMUS students
• Research in construction and climatic design on the potential for sustainable design
• Consultant to the diploma examination board
• Public relations
• Website design for School of Architecture webpage (<http://www.a.tu-berlin.de/hascher/>)
1995 - 1998 **Brandenburg University of Technology Cottbus** | Germany
Tutor
Field: Urbanism and Design
• Teaching freshmen design studios
• Documentation
• Organization of field experiences

Professional Experience

2000 - 2005 **Hascher Jehle Architektur, Berlin** | Germany
Project manager and Co-leader
• BROSE Masterplan Werk Wuppertal, Germany
Design
• PHOTO STUDIO WERNER PAWLOK, Stuttgart | Germany
Implementation, planning, and detailing
• STUTTGART MUSEUM OF ART, Stuttgart | Germany (2000-2004)
Tender and detailing
• LSV OFFICE BUILDING, Landshut | Germany (2001-2003),
Implementation, planning, and detailing
• LOGISTICS CENTER BECHTLE AG, Neckarsulm | Germany
Implementation, planning, and detailing
2001 **Self employed**

- Project architect*
Apartment WITZLEBENSTRASSE 2, Berlin-Charlottenburg | Germany
Retrofit and Reconstruction
- 2000 **Self employed**
Project architect
Apartment KUNO FISCHER STRASSE 14, Berlin-Charlottenburg | Germany
Retrofit and Reconstruction
- 1999 - 2001 **Clarke und Kuhn Freie Architekten**, Berlin | Germany
Project architect
- PROKON Office Building, Itzehoe | Germany
 - Serial Housing: DAS MÄRKISCHE HAUS, LEG Wohnen mbH
 - HUMMEL GEHRCKE RESIDENCE, Stahnsdorf | Germany (1999–2000)
 - HEINISCH RÄTZ RESIDENCE, Berlin Hohenschönhausen | Germany (1999–2000)
- Planning permission, construction design and building supervision

Additional Work Experience

- 2007 **Bürogemeinschaft Siblin** | Germany
Layout and Design, Website: <http://www.buero-siblin.de>
- 2006 **Helipad GmbH**, Siblin | Germany
Consultant, New Development of a Helicopter Base
- 2005 **Deutsche Nationalstiftung**, Weimar | Germany
Consultant, Appointment of new members in the field of Architecture and Engineering
- 2005 **Sibliner Hof**, Siblin | Germany
Consultant, Reconstruction Residential Houses
- 1994 **HOCHTIEF**, Bonn | Germany
Intern, Construction Company (8 weeks)
- 1993 **K. Gries**, Bonn | Germany
Intern, Joiner's Workshop (8 weeks)
- 1990 **National Building Surveyor's Office**, Bonn | Germany
Intern, (4 weeks)

Professional Membership

- Since 2009 **SBSE** Society of Building Science Educators | *Member*
- Since 2007 **U.S. GREEN BUILDING COUNCIL**, South Carolina | *Member*
- Since 2001 **ARCHITEKTENKAMMER** Berlin | Germany (Chamber of Architects) | *Member*

PUBLICATIONS

Editorship

- 2005 Project Report **LSV Landshut**
Private publishing
- 2004 Office Monograph **Hascher Jehle Architektur**
Archiworld Co., Ltd Korea, ISBN 89-5770-072-2
- 2003 Project Report **LVA Augsburg**
Fraunhofer IRB Verlag, ISBN 3-8167-6113-5
- 2002 Project Report **DVG Hannover**
Fraunhofer IRB Verlag, ISBN 3-8167-6112-7

Peer Reviewed Publications

- 2021 **Book chapter | Citation**
Title: Trans-Atlantic Engagements: The Contribution and Impact of German Educators to US Architectural Education
Author: Steffen Lehmann
ORO Editions
ISBN-10: 1951541480
ISBN-13: 978-1951541484
Pages 128 and 179-183
- 2019 AMPS Architecture_Media_Politics_Society | New York
Education, Design and Practice
Title: "Reimagining the Design Studio as an Open Conversation. In defense of a collaborative, non-

- hierarchical and interdisciplinary approach to design pedagogy.*
 Authors: D.Franco, U.Heine, U.Ersoy
 ISBN in press
- 2019 2019 Building Technology Educators Society Conference
INTEGRATION AND INNOVATION
Title: "Integrative Design and the Problem of Fragmented Knowledge"
 Authors: D. Albright, D.Franco, U.Heine, U.Ersoy
 ISBN in press
- 2017 **Journal of Technology | Architecture + Design (TAD)**
Title: "Assembling the Digital House by Hand: Lessons from Deep Engagement and Guiding the Experimental Impulse,"
 Authors: D. Albright, D. Harding, D. Pastre, U. Heine, V. Blouin [authors listed in alphabetical order]
 volume 1, issue 1 (2017): 92-106. ISSN _ 2475-1448
- 2017 **Procedia Environmental Sciences**
Title: "Indigo Pine: Net Zero Performance in a Unique Package,"
 Authors: D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre [authors listed in alphabetical order]
 volume 38 (2017): 60-67. ISSN _ 1878-0296
- 2017 **International Journal of Computational Methods and Experimental Measures (CMEM)**
Title: "Sim[PLY]: Rapid Structural Assemblies Using CNCFabricated Plywood Components,"
 Authors: D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre [authors listed in alphabetical order]
 volume 5, issue 4 (2017): 532-538. ISSN _ 2046-0554
- 2016 2016 Sustainable Built Environment Conference (SBE) | Thessaloniki, Greece
Sustainable Synergies from Buildings to the Urban Scale
Title: "Sim[PLY]: Sustainable Construction with Prefabricated Plywood Componentry."
 Authors: D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre, N. Huetten [authors listed in alphabetical order]
- 2016 2016 Sustainable Built Environment Conference (SBE) | Thessaloniki, Greece
Sustainable Synergies from Buildings to the Urban Scale
Title: "Indigo Pine: Net Zero Performance in a Unique Package."
 Authors: D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre [authors listed in alphabetical order]
- 2016 **5th Int'l Conference on Mobile, Adaptable and Rapidly Assembled Structures (MARAS)** | Sienna, Italy
Title: "Sim[PLY]: Rapid Structural Assemblies Using CNC Fabricated Plywood Components."
 Authors: D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre [authors listed in alphabetical order]
- 2016 2016 Sustainable Futures Conference (SFC) | Nairobi, Kenya
Architecture and Construction in the Global South
Title: "Sim[PLY]: Enabling Sustainable Human-Centered Construction Through Prefabricated Plywood Components."
 Authors: D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre [authors listed in alphabetical order]
- 2016 2016 **World Conference on Timber Engineering (WCTE)** | Vienna, Austria
Title: "Sim[PLY]: Innovative Platform Framing With CNC-Fabricated Plywood Componentry."
 Authors: D. Albright, M. Stoner, V. Blouin, D. Harding, U. Heine, D. Pastre [authors listed in alphabetical order]
- 2016 2016 Passive and Low Energy Architecture (PLEA) International Conference | Los Angeles, California
Cities, Buildings, People: Towards Regenerative Environments
Title: "Sim[PLY]: Achieving Carbon Neutrality Through Innovative Building Assemblies and Processes"
 Authors: D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre [authors listed in alphabetical order]
- 2016 2016 EAAE / ARCC International Conference | Lisbon, Portugal
Architectural Research Addressing Societal Challenges
Title: "A Solar Decathlon House Intentionally Designed to Increase Teaching Opportunities."
 Authors: V. Blouin, D. Albright, D. Harding, U. Heine, D. Pastre [authors listed in alphabetical order]
- 2015 **Passive and Low Energy Architecture (PLEA)** International Conference | Bologna, Italy
Title: Architecture in Revolution
 Authors: D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre. "Sim[PLY]" (2015) [authors listed in alphabetical order]
- 2014 **Journal of Civil Engineering and Architecture** | David Publishing Company
 Volume 8, Number 4, April 2014 (Serial Number 77)
Title: Teaching Sustainability In Design Without Greenwashing
 Author: Ulrike Heine
 ISSN: 19347359 (print) | ISSN 1934-7367 (online)

- 2012 ICSDEC 2012 | 2nd International Conference for Sustainable Design, Engineering and Construction
Developing the Frontier of Sustainable Design, Engineering, and Construction
 Title: Low-Carbon Materials Management: A Case Study For A Net-Zero Energy House With Minimized Carbon Footprint
 Editors: Wai Kiong Oswald Chong, Jie Gong, Jae Chang, and Mohsin Khalid
 Authors: Kelly Kruzner; Ulrike Heine; Leidy Klotz, Ph.D.
 ISBN: 9780784412688
- 2012 SASBE 2012 | 4th CIB Conference on Smart and Sustainable Built Environments
Emerging economies
 Title: *Teaching Sustainability in Design Without Greenwashing*
 Author: Ulrike Heine
 Editors: Vanessa Gomes, Maristela Gomes da Silva
 ISBN: 978-85-65823-03-6
- 2012 28th International PLEA (Passive and Low Energy Architecture) Conference Lima | Peru
Opportunities, Limits & Needs | Towards An Environmentally Responsible Architecture
 Title: Teaching Sustainability in Design without Greenwashing
 Author: Ulrike Heine
 Editors: Juan Reiser, Susana Biondi, Cecilia Jimenez
 ISBN in press
- 2010 USCUDAR 2010
Urban Sustainability, Cultural Sustainability, Green Development, Green Structures And Clean Cars
 Title: A Design for a Zero Energy House for the Southern United States
 Author: Ulrike Heine
 Editors: Nasingh Deo, Metin Demiralp, Milan Stork, Eva Milkova, Hidetoshi Wakamatsu, Kiyoyuki Tchizawa
 ISBN: 978-960-474-227-1
- 2010 The Seventh International Conference of the Center for the Study of Architecture in the Arab Region
Sustainable Architecture & Urban Development Vol. IV
 Title: *Design and Validation Premises and Concept for the Design of an Affordable Zero Energy House*
 Author: Ulrike Heine
 Editors: Steffen Lehmann, Husam Al Waer, Jamal Al-Qawasmi
 ISBN 978-9957-540-03-6
- 2009 26th PLEA (Passive and Low Energy Architecture) International Conference 2009, Quebec | Canada
Architecture, Energy and The Occupant's Perspective
 Title: *USA Today Being and Becoming – Sustainable Architecture in the USA*
 Author: Ulrike Heine
 Editors: Claude Demers, Andre Potvin
 ISBN 978-2-7637-8939-2
- 2008 WSEAS (World Scientific and Engineering Academy and Society) Faro | Portugal
New Aspects of Energy, Environment, Ecosystems and Sustainable Development, Part II and III
 Title: *On the Way to Sustainable Architecture in the United States*
 Author: Ulrike Heine
 Editors: Thomas Panagopoulos, Teresa Noronha Vaz, Maria Dulce, Carlos Antunes
 ISBN 978-970-6766-71-8

Citations

- 2022 Architectural Record, September Issue
Schools Begin to Put Embodied Carbon Front and Center
 Author: Fred A. Bernstein
- 2021 **Book chapter | Citation**
 Title: *Trans-Atlantic Engagements: The Contribution and Impact of German Educators to US Architectural Education*
 Author: Steffen Lehmann
 ORO Editions
 ISBN-10 : 1951541480
 ISBN-13 : 978-1951541484
 Pages 128 and 179-183

Articles about projects

- 2012 **Glimpse | Research and Creative Discovery** | Clemson University
Bringing it home | Prize Winning Teams Zero In On Housing
Volume 1 - Spring 2012
- 2010 **AAH - Research in the College of Architecture, Arts and Humanities**
Clemson University
Architecture Adds Zero to Equation
Issue 2010
- 2008 **Green Builder Magazine** | Pathfinder
Past as Prologue | This German-trained architect argues that U.S. homes can be built greener using non-mechanical, time-tested concepts.
Issue 09/08
- 2007 **Greater Columbia Business Monthly**
Rethinking American Architectural Design: Get rid of waste
January 2008 Edition

Research | Websites

- 2022-present **<https://www.environmentaljusticedesignlab.com>**
This website is linked to the Exhibition "6 YEARS of COTE TOP TEN" and our Venice Biennale Entry presenting the 15 award winning projects of our co-taught ARCH 8510 studio in a broader context, organized along common themes of design research.
- 2017-present **<https://www.archjourney.org>**
This website provides inspiration and knowledge to help architects be informed while traveling. ArchJourney is your curated destination for excellent examples of Architecture in major cities. We limit our recommendations to 15 projects per city. 5 landmark projects, which we consider famous projects like churches, towers and bridges. 5 classic projects, critically acclaimed from 1900 to the turn of the 21st century. And 5 recent projects that come highly recommended from architects, critics, or professors from those cities.

Exhibitions/ Catalogs

- 2023 **Venice European Cultural Center**, as part of the **Architecture Venice Biennale 2023**
Architectural Experiments in Environmental Justice. Vulnerable Places And Vulnerable Populations
- 2022 | 2023 **Lee 3, Clemson, Greenville, Columbia, Charleston**
6 Years of Cote Top Ten
Traveling exhibition with 38 competition projects designed within the Environmental Justice Design Lab
- 2017 **Lee Gallery**, Clemson
NAAB Accreditation Team Room
- 2013 **Lee Gallery**, Clemson
Centennial Exposition / Publication
Editorship Timeline
- 2012 **Lee Hall Broadway**, Clemson
Dow Solar - Design To Zero Competition 2012
Comprehensive Studio Design Work
- 2011 **Lee Gallery**, Clemson
NAAB Accreditation Team Room
- 2010 **Lee Hall Courtyard**, Clemson
Kinetic Mobile
Comprehensive Studio Design Work
- 2010 **Lee Hall Broadway**, Clemson
A Memorial Chapel For Clemson University
Comprehensive Studio Design Work
- 2010 **Lee Hall Broadway**, Clemson
A Memorial Chapel For San Antonio, TX
Comprehensive Studio Design Work
- 2009 **Lee Hall Broadway**, Clemson
Clemson Natatorium
Comprehensive Studio Design Work
- 2008 **Lee Hall Broadway**, Clemson
Clemson Campus Core | A New Dining Facility

- Comprehensive Studio Design Work
- 2007 **Lee Gallery**, Clemson
NAAB Accreditation Team Room
- 2006 **Technical University Berlin** | Germany
Exhibition Pavilion For A Facade Competence Center
Exhibition Schueco Student Competition
- 2001 **Galerie Der Stadt Stuttgart, Stuttgart** | Germany
Museen Für Ein Neues Jahrtausend (Museums For A New Century)
Exhibition And Special Catalogue
- 2001 **Trade Fair Muenchen**, Muenchen | Germany
UNIPOR Architecture Award
Exhibition During The Trade Fair Bau Muenchen

Conferences and Presentations

Peer Reviewed

- 2016 2016 Sustainable Built Environment Conference (SBE) | Thessaloniki, Greece
Sustainable Synergies from Buildings to the Urban Scale
Title: "Sim[PLY]: Sustainable Construction with Prefabricated Plywood Componentry."
Authors: D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre, N. Huetten,
[authors listed in alphabetical order]
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Sienna, Italy
Title: "Sim[PLY]: Rapid Structural Assemblies Using CNC Fabricated Plywood Components."
Authors: D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre
[authors listed in alphabetical order]
- 2016 2016 Sustainable Futures Conference (SFC) | Nairobi, Kenya
Architecture and Construction in the Global South
Title: "Sim[PLY]: Enabling Sustainable Human-Centered Construction Through Prefabricated Plywood Components."
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[authors listed in alphabetical order]
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Authors: D. Albright, M. Stoner, V. Blouin, D. Harding, U. Heine, D. Pastre
[authors listed in alphabetical order]
- 2016 2016 Passive and Low Energy Architecture (PLEA) International Conference | Los Angeles, California
Cities, Buildings, People: Towards Regenerative Environments
Title: "Sim[PLY]: Achieving Carbon Neutrality Through Innovative Building Assemblies and Processes"
Authors: D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre
[authors listed in alphabetical order]
- 2016 2016 EAAE / ARCC International Conference | Lisbon, Portugal
Architectural Research Addressing Societal Challenges
Title: "A Solar Decathlon House Intentionally Designed to Increase Teaching Opportunities."
Authors: V. Blouin, D. Albright, D. Harding, U. Heine, D. Pastre
[authors listed in alphabetical order]
- 2015 **Passive and Low Energy Architecture (PLEA)** International Conference | Bologna, Italy
Title: Architecture in Revolution
Authors: D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre. "Sim[PLY]" (2015)
[authors listed in alphabetical order]
- 2013 ACSA (Association of Collegiate Schools of Architecture), San Francisco, CA | USA
New Constellations / New Ecologies
Session Moderation: *Guerilla Ecologies*
Authors: Ulrike Heine, Dan Harding, Bernhard Sill, Aaron Bowman
- 2012 PLEA (Passive and Low Energy Architecture) 2012, Lima | Peru

- Opportunities, Limits & Needs: Towards An Environmentally Responsible Architecture**
Paper Presentation: *Teaching Sustainability in Design Without Greenwashing*
Author: Ulrike Heine [see listed with all detail above]
- 2012 SASBE (Smart and Sustainable Built Environments) 2012, Sao Paolo | Brazil
Smart and Sustainable Built Environments: Emerging economies
Paper Presentation: *Teaching Sustainability in Design Without Greenwashing*
Author: Ulrike Heine [see listed with all detail above]
- 2012 ICSDEC 2012 | 2nd International Conference for Sustainable Design, Engineering and Construction
Developing the Frontier of Sustainable Design, Engineering, and Construction
Paper Presentation: *Low-Carbon Materials Management: A Case Study For A Net-Zero Energy House With Minimized Carbon Footprint*
Authors: Kelly Kruzner; Ulrike Heine; Leidy Klotz, Ph.D. [see listed with all detail above]
- 2012 USGBC Chapter Conference and Expo, Greenville, SC | USA
Sustain SC
Presentation: *Affordable Low Energy Architecture As An Equilibrium of Passive and Active Home design strategies*
Author: Ulrike Heine
- 2010 Hawaii International Conferences, Honolulu | Hawaii
2010 Hawaii International Conference On Arts & Humanities
Paper presentation: *Zero Energy Architecture in the South*
Author: Ulrike Heine
- 2010 The Second International Conference on Sustainable Architecture and Urban Development | Amman, Jordan
SAUD 2010 Conference
Paper presentation: *Design and Validation Premises and Concept for the Design of an Affordable Zero Energy House*
Author: Ulrike Heine [see listed with all detail above]
- 2010 WSEAS (World Scientific and Engineering Academy And Society) | Malta
Urban Sustainability, Cultural Sustainability, Green Development, Green Structures And Clean Cars (USCUDAR 2010)
Paper presentation: *A Design for a Zero Energy House for the Southern United States*
Author: Ulrike Heine [see listed with all detail above]
- 2009 Hawaii International Conferences, Honolulu | Hawaii
2009 Hawaii International Conference On Arts & Humanities
Paper presentation: *USA Today Being and Becoming – Sustainable Architecture in the USA*
Author: Ulrike Heine
- 2009 Hawaii International Conferences, Honolulu | Hawaii
2009 Hawaii International Conference On Arts & Humanities
Paper presentation: *The Clemson Zero Energy House*
Author: Ulrike Heine
- 2009 26th PLEA (Passive and Low Energy Architecture) International Conference 2009, Quebec | Canada
Architecture, Energy and the Occupant's Perspective
Paper Presentation: *USA Today Being and Becoming – Sustainable Architecture in the USA*
Author: Ulrike Heine [see listed with all detail above]
- 2008 WSEAS (World Scientific and Engineering Academy and Society), Faro | Portugal
4th IASME/WSEAS International Conference On Energy, Environment, Ecosystems And Sustainable Development
Paper presentation: *On the way to sustainability in the United States*
Author: Ulrike Heine [see listed with all detail above]
- 2008 Oxford Conference, Oxford | GB
50 years on – Resetting the Agenda of Architectural Education
Poster presentation: *Energy saving architecture by following the laws of nature*
Author: Ulrike Heine
- Invited
- 2012 AIA (American Institute of Architects) Greenville, SC | USA
Women in Architecture
Presentation: *Ulrike Heine - Architektin*
- 2009 St. Petersburg State University, School of Architecture and Civil Engineering (SPSUACE) St. Petersburg | Russia
St Petersburg Award 2008

- Lecture: *Sustainable Architecture*
- 2008 USGBC (US Green Building Council) STATE CHAPTER, Greenville, SC | USA
Upstate Branch of the USGBC State Chapter | August Lecture
 Lecture: *Sustainable Architecture | Reasons, Examples, Goals*
- 2008 WSEAS (World Scientific And Engineering Academy And Society) Corfu Island | Greece
Energy planning, Energy saving and Environmental Education
 Keynote Speaker: *Architecture and Sustainability*
- 2008 Anderson County Library, Anderson, SC | USA
Annual Staff Training on the Awareness of Sustainability
 Presentation: *How can you put your carbon footprint on a diet?*
- Participation
- 2019 ACSA (Association Of Collegiate Schools Of Architecture), New Orleans, LA | USA
Administrators Conference
UNCERTAINTY
- 2016 ACSA (Association Of Collegiate Schools Of Architecture), New Orleans, LA | USA
Administrators Conference
Gaps & Overlaps
- 2010 ACSA (Association Of Collegiate Schools Of Architecture), Savannah, GA | USA
Regional Conference
Architecture Is A Thing Of Art
- 2010 ACSA (Association Of Collegiate Schools Of Architecture), New Orleans, LA | USA
99th Annual Conference
Re. Building
- 2009 ACSA (Association Of Collegiate Schools Of Architecture), Portland, Oregon | USA
98th Annual Conference
The value of design: Design is at the core of what we teach and practice
- 2008 25th PLEA (Passive and Low Energy Architecture) International Conference 2008,
 Dublin | Ireland
97th Annual Conference
Towards Zero Energy Building
- 2007 ACSA (Association Of Collegiate Schools Of Architecture), Washington D.C. | USA
Southeast Fall Conference
Assuming responsibility: Architecture of Stewardship
- 2007 ACSA (Association Of Collegiate Schools Of Architecture), Houston, Texas | USA
96th Annual Conference
Seeking the City: Visionaries on the margins

RESEARCH AND GRANTS

Research

- 2017 - present Develop the website ARCHJOURNEY.ORG - Travel The World Through Architecture.
 Sponsored by CAF (Clemson Architectural Foundation)
 A curated database with [currently] 30 cities / 15 top projects to visit in each location
- 2014 *Clemson University's Solar Decathlon 2015: A Techno-Local Solar House for South Carolina;*
 Sponsored by DOE (UNITED STATES DEPARTMENT OF ENERGY) from 5/1/2014 to 4/30/2016
- 2012- 2014 *Easley Zero Energy House*
 Funded research by Carolina AAC and Greenville Building Supply [GBS]
- 2012 - 2015 *Definition of the generic Term SUSTAINABILITY*
 Survey the top 100 most influential architecture firms of the world involved in sustainability
 Book proposal
- 2012 Habitat for Humanities
The Sustainable Home – Design of a simple, decent, healthy, and affordable home
 Funded research by NOTBLOX®
- 2008 - 2014 *Clemson Zero Energy House*
 Research, design, detailing and construction of a Zero Energy House for Clemson University as a
 show case for Sustainable Architecture
- 2008 *The Cliffs Preserve, Patagonia | Chile*
 Examination of current structures and practices related to environmental sustainability and
 exploration of a potential for future site development as a Clemson research and education center.
- 2007 *Construction Manual for Climate Sensitive Design*
 Structured by materials / standard work

- 2006 Development of a *Façade Competence Center* at the TU Berlin in cooperation with SCHUECO International | Germany
- 2005 Development of *New Towns* as a strategy of a sustainable settlement development for future mega-cities (e.g., Hashtgerd | Iran)

Grants

- 2023 2022-2023 CAF Funding
Exhibition | Venice Biennale 'Architectural Experiments in Environmental Justice. Vulnerable Places And Vulnerable Populations'
Principal Investigator / Team Credit 25% / Amount \$ \$2,500
- 2022 2022-2023 CAF Funding
Exhibition "6 YEAR of COTE TOP TEN Winners"
Principal Investigator / Team Credit 25% / Amount \$ \$3,875
- 2020 | 2021 2021-2022 CAF Funding
Exhibition "6 YEAR of COTE TOP TEN Winners"
Principal Investigator / Team Credit 25% / Amount \$2,500
- 2020 | 2021 2018- 2019 CAF Funding
Developing the website ARCHJOURNEY.ORG
Principal Investigator / Team Credit 100% / Amount \$1,200
- 2019 | 2020 2018- 2019 Richard O'Cain Faculty Support Fund
Developing the website ARCHJOURNEY.ORG
Principal Investigator / Team Credit 100% / Amount \$3,200
- 2018 | 2019 2019 Fluid Campus Performance Credits Funding
Developing the mobile App ARCHJOURNEY
Principal Investigator / Team Credit 100% / Amount \$5,000
- 2018 | 2019 2018- 2019 CAF Funding
Developing the website ARCHJOURNEY.ORG
Principal Investigator / Team Credit 100% / Amount \$3,200
- 2017 | 2018 2017- 2018 CAF Funding
Developing the website ARCHJOURNEY.ORG
Principal Investigator / Team Credit 100% / Amount \$1,750
- 2015 Pre-Cast Concrete Institute Foundation Grant
Consultant / amount \$100,000.00 / category national
- 2014 *Clemson University's Solar Decathlon 2015: A Techno-Local Solar House for South Carolina;*
Sponsored by DOE (UNITED STATES DEPARTMENT OF ENERGY) from 5/1/2014 to 4/30/2016
Co Principal-Investigator / team credit 7% / amount \$50,000 / category federal
- 2010 **NSF (National Science Foundation)**
Science Master's Program [SMP]: Sustainable And Resilient Infrastructure
Project Manager: Ronald Andrus, Department of Civil Engineering
Principal-Investigator / team credit 9% / amount \$664,481 / category federal
- 2010 **CAF (Clemson Advancement Foundation)**
A Methodology For Assessing Dynamic Building Energy Consumption
A Collaborative Research Project conducted by the School of Architecture [Ulrike Heine, Dr. Vincent Blouin], the School of Materials Sciences and Engineering [Dr. Blouin] and the Department of Civil Engineering [Dr. Nigel Kaye]
Principal-Investigator / team credit 100% / amount \$3,200
- 2010 **CAAH Research Development Program**
Clemson Zero Energy House
Principal Investigator / Team Credit 100% / Amount \$3,000
- 2009 - 11 **Creative Inquiry**
Design, Plan And Evaluate A Clemson Zero Energy House
Principal investigator / team credit 100% / amount \$3,000 / year
- 1994-1995 **Grant Of The European Union (Erasmus)**
For the Study of Architecture as a student in the Bachelor with Honors at the Escuela Técnica Superior de Arquitectura Barcelona | Spain

Patent

- 2018 US Patent No. US10,156,067 B2
Date of Patent: Dec 18, 2018
SIMPLY Building Framing System

Inventors: D. Albright, V. Blouin, D. Harding, U. Heine, D. Pastre, U. Ersoy, T. Monks et al.

HONORS AND AWARDS

Awards

- 2022 **Clemson University**
Provost Outstanding Collaborative Teaching Award 2022
- 2022 **ACSA (Association of Collegiate Schools of Architecture)**
2022 Course Development Prize – Honorable Mention
- 2013 **Clemson University CAAH**
Dean's Excellence Award in Teaching nomination
- 2012 **AIAS (American Institute of Architects)/ ACSA (Association of Collegiate Schools of Architecture)**
New Faculty Teaching Award 2012
- 2012 **CAAH College of Architecture, Arts and Humanities**
Creativity Professorship
April 2012 Clemson University, 2-year term
- 2004 **BDA (BUND DEUTSCHER ARCHITEKTEN – AIA equivalent) AWARD - Schleswig Holstein**
Honorable Mention
Prokon Office Building, Itzehoe | Germany
- 2003 **Architecture & Technology Award**
1st prize
dvg Office Building, Hanover | Germany
- 2003 **Architectural Association Award, Da! 'Architecture In Berlin 2003'**
Heinisch Rätz Residence, Berlin Hohenschönhausen | Germany
- 2003 **Unipor Architecture Award**
3rd prize
Heinisch Rätz Residence, Berlin Hohenschönhausen | Germany

Prizes | Competitions

- 2000 **Competitive Proceeding**
1st Prize
Prokon Office Building, Itzehoe | Germany
- 2000 **Multiple Assignment**
1st prize
Development of A Family of Residential Houses For A (Sub-) Urban Context
- 1996 **Realization Competition**
Honorable Mention
New Faculty Building For Architecture / Design / Interior Design In Wismar | Germany
- 1996 **Realization Competition**
Honorable Mention
Expo 2000 District Park Kronsberg

Prizes in Student Competition | Teaching

Clemson University

- 2022 **SARA NY (Society of American Registered Architects)**
Honor Award [1 out of 6]
Students:
Team Eric Downing / Nathan Carlton
- 2022 **ACSA / AIA (Association of Collegiate Schools of Architecture / American Institute of Architects)**
COTE 10 Competition 2021-22
Winning Project [1 out of 10]
Students:
Team: Gauge Bethea, Jesse Blevins
- 2021 **AIA SC Design Awards 2021 (Society of American Registered Architects)**
Student Design Merit Award
Students: Jessica Longhurst | Sydney Parker

- 2021 **ACSA / AIA (Association of Collegiate Schools of Architecture / American Institute of Architects)**
COTE 10 Competition 2020-21
 Winning Project [1 out of 10]
 Students: Daniel Mecca, Thalia Jimenez
- 2020 **ACSA / AIA (Association of Collegiate Schools of Architecture / American Institute of Architects)**
COTE 10 Competition 2019-20
 Winning Project [2 out of 10]
 Students:
 Team 1: Ryan Bing, Joseph Scherer
 Team 2: George Sobara, Hunter Harwell
- 2020 **SARA NY (Society of American Registered Architects)**
 Honor Award [1 out of 6]
 Students: Marissa Curty / Linsey Sinisi
- 2020 **AIA SC Design Awards 2020 (Society of American Registered Architects)**
 Student Design Merit Award
 Students: Gabrielle Bernier | Garrett Schappell
- 2019 **ACSA / AIA (Association of Collegiate Schools of Architecture / American Institute of Architects)**
COTE 10 Competition 2018-19
 Winning Project [2 out of 10]
 Students:
 Team 1: Cameron Foster, Philipp Riazzi
 Team 2: Cole Robinson, Michael Horan
- 2019 **SARA NY (Society of American Registered Architects)**
 Merit Award [1 out of 8]
 Students: Josh Guertin / Kelly Umotoni
- 2019 **AIA SC Design Awards 2019 (Society of American Registered Architects)**
 Student Design Merit Award
 Students: Cameron Foster, Philipp Riazzi
- 2018 **SARA NY (Society of American Registered Architects)**
 Honor Award [1 out of 3]
 Students: Andrew Collins, Solene Clavel, Katie Kowalski
- 2018 **ACSA / AIA (Association of Collegiate Schools of Architecture / American Institute of Architects)**
COTE 10 Competition 2017-18
 Winning Project [1 out of 10]
 Students: Madison Polk, Harrison Polk
- 2018 **AIA SC Design Awards 2018 (Society of American Registered Architects)**
 Student Design Merit Award
 Students: Andrew Collins, Solene Clavel, Katie Kowalski
- 2017 **ACSA / AIA (Association of Collegiate Schools of Architecture / American Institute of Architects)**
COTE 10 Competition 2016 -17
 Winning Project [1 out of 10]
 Students: Elisabeth Widaski, Jimmy Woods, Chris Sandkuhler
- 2016 **CASE III**
Grand Award for Clemson University Indigo Pine Project (Sub Unit Campaign)
Award of Excellence for Clemson University Indigo Pine Project (Branding/Identity Program or Campaign)
Special Merit for
 Indigo Pine Project (Specialty Piece–Graphic Design)
 Indigo Pine Project Illustration Cover (Graphic Design)
- 2015 **Department Of Energy**
 Solar Decathlon 2015
 INDIGO PINE: Solar Home
 6TH Place OVERALL
 2nd Place ARCHITECTURE
 2nd Place COMMUNICATIONS
 3rd Place MARKET APPEAL
 Student Team and collaborating CORE faculty: Dustin Albright, Ulrike Heine, Vincent Blouin, Dave Pastre

- 2012 **ACSA (Association of Collegiate Schools of Architecture)**
The Sustainable Home Competition – A Habitat for Humanity Student Design Competition
 Winning Project, South Region
 Students: Nick Barrett, Sam Pruitt
- 2012 **ACSA (Association of Collegiate Schools of Architecture)**
International Sustainable Laboratory Student Design Competition
 Winning Project
 Students: Caitlin Ranson, Dianah Katzenberger
- 2012 **DOW Solar**
Design to Zero Competition
 1st prize: Eric Laine, Suzanne Steelman [20,000\$]
 2nd prize: Caitlin Ranson, Daniel Kim [10,000\$]
 Honorable Mention: John Oxenfeld, Adam Wilson
 Subcategory Design Integration: Mike Niezer, Adrian Mora
 Subcategory Photovoltaic Integration: Jason Drews, James Graham
- 2011 **AIA (American Institute of Architects) Greenville Student Merit Award**
Clemson Memorial Chapel
 Students: Nathan Asire | Po Tin
- 2010 **AIA (American Institute of Architects) Greenville Student Merit Award**
Air Force Village Chapel Design Competition
 Students: Jonathan Edens | Kyle Keaffeber
- 2010 **AIA (American Institute of Architects)**
Air Force Village Chapel Design Competition
 1st prize: Jonathan Edens, Kyle Keaffaber
 2nd prize: Amy Leong, Natalie Shovlin

Technical University Berlin

2006 | 07

Xella Student's Competition | East German Region
Living By The Waterfront – A Holiday Village In Zehdenick
 2nd prize: B. Hoffmann, L. Haeger
 Honorable Mention: S. von Bülow, F. Münch, J. König

2006 **Schueco Student Competition**
Exhibition Pavilion For A Facade Competence Center
 1st prize: Gerlach, Carlhoff
 3rd prize: J. Bretschneider, J. Fischer, C. Eslon
 Honorable Mention: C. Speelmans, B. Hoffmann, L. Haeger

2006 **Grant Award of the German Steel Industry Association**
HAC – Hamburg Aviation Center
 Honorable Mention: J. Leskien, S. Jorgensen, J. Staudt, S. Sass

TEACHING

Thesis Committee Member

- 2017 *Improving Energy Performance and Indoor Lighting through the Integration of Electrochromic Glazing in Commercial Buildings*
 Maryam Hamidpour [Architecture, PhD]
- 2016 *A Data-Driven Framework For Measuring And Modeling Elegant Design In Engineering*
 Tina Nikou [Civil Engineering, PhD]
- 2013 *Residential Building Code Education: Current Status And Best Practices*
 Tripp Shealy [Civil Engineering, MS]
- 2012 *A New Therapeutic Design Model: Vocational And Residential Care Facilities For Persons Diagnosed With Autism Spectrum Disorders*
 Lisa Marchi [M Arch]
- 2012- 2014 *Elegant Problem Solving: An Application To Engineering Education*
 Tina Nikou [Civil Engineering, PhD]
- 2010 *The Daylight Hospital*
 Eva Behringer [M Arch]
- 2010 *Application of Multi-Attribute Utility Theory to Decision Analysis in Construction Projects*
 Tina Nikou [MS, Civil Engineering]
- 2010 *Materials Management For A Net-Zero Energy Home*
 Kelly Sprague [MS, Civil Engineering]
- 2007 *Hafencity University Hamburg*
 F. von Elverfeldt, S. von Buelow [Dipl.Ing., Architecture]

Graduate Courses Taught

Graduate Studios in Clemson

- Spring 2023 **ARCH 8920 Comprehensive Studio**
A Residential Resource Center For Youth At Risk In Atlanta, GA
- Fall 2022 **ARCH 8510 Studio II**
COTE 10 Competition - TOURISM AS ENVIRONMENTAL DISASTER
The impacts of tourism on cultures, communities and environments
- Spring 2022 **ARCH 8920 Comprehensive Studio**
Prototypes for Resilient Coastal Settlements: BASE Charleston_US Coast Guard
- Fall 2021 **ARCH 8510 Studio II**
COTE 10 Competition - EXPERIMENTS IN COMMUNAL LIVING
Resourcefulness, Self-Sufficiency and Cooperation in the Fallout of COVID
- Fall 2020 **ARCH 8510 Studio II**
COTE 10 Competition - VULNERABLE CITIES, VULNERABLE POPULATIONS:
Sustainable transitional housing solutions for chronically unsheltered populations in the U.S.
- Fall 2019 **ARCH 8510 Studio II**
COTE 10 Competition - LOST SPACES: Architectural solutions for leftover space created by America's elevated urban highways.
- Fall 2018 **ARCH 851 Studio II**
COTE 10 Competition – AGING IN THE CITY: Architectural strategies for multigenerational urban communities
- Spring 2018 **ARCH 892 Comprehensive Studio**
Living environments: graduate student housing for Clemson University
- Fall 2017 **ARCH 851 Studio II**
COTE 10 Competition – REFUGEES WELCOME: Reinventing the Architectural Possibilities of a Refugee Center in the Heart of Madrid
- Spring 2017 **ARCH 892 Comprehensive Studio**
A High School for Downtown Anderson
- Fall 2016 **ARCH 851 Studio III**
COTE 10 Competition – Downtown Greenville
- Spring 2016 **ARCH 892 Comprehensive Studio**
SCSU Student Center
- Spring 2015 **ARCH 892 Comprehensive Studio**
Mixed-Use Performing Arts Center
- Fall 2014 **ARCH 851 Studio III**
Housing Nicholtown: New Prototypes For The Neighborhood
- Spring 2014 **ARCH 892 Comprehensive Studio**
Competition LIVE-IN ENTREPRENEURIAL THINKTANK
- Spring 2013 **ARCH 892 Comprehensive Studio**
Graduate Housing At Clemson University | CLT Challenge
- Fall 2013 **ARCH 851**
A Craft Brewery Headquarters | Greenville, SC
- Spring 2012 **ARCH 892 Comprehensive Studio**
Sustainable Lab Competition
- Fall 2011 **ARCH 893 Comprehensive Studio**
Design To Zero Competition
- Fall 2010 **ARCH 893 Comprehensive Studio**
Extension Of GSP Passenger Terminal
- Spring 2010 **ARCH 894 Research Studio**
Jake DeMint | *Clemson Zero Energy House*
Amy Leong | *Sustainability + Livability in Existing Affordable Housing*
- Fall 2009 **ARCH 893 Comprehensive Studio**
A Non-Confessional Memorial Chapel For Clemson University
& *A Memorial Chapel For San Antonio, TX*
- Spring 2009 **ARCH 894 Research Studio**
E. Corr | *Living In Place: A Prototype Design*
S. Mickelson | *Sustainable Residential Development; A Community Development Proposal for*

Point West, Seneca, SC

T. Weeks | *[Office in Life] [Life in Office]; A human centered, evidence based approach to office design*

Fall 2008 **ARCH 893 Comprehensive Studio**
A Natatorium For Clemson University As An Addition To Fike Recreation Center

Spring 2008 **ARCH 892 Comprehensive Studio**
Clemson University Core Campus - Design Of A New Dining Facility

Undergraduate Studios in
Clemson

Spring 2021 **ARCH 4520 Synthesis Studio**
A Museum & Visitor Center for the Coastal Discovery Museum, Hilton Head Island, SC

Spring 2020 **ARCH 4520 Synthesis Studio**
Three Rivers Engagement Center in Two Parts [Columbia and West Columbia, SC]

Spring 2019 **ARCH 4520 Synthesis Studio**
Water - A Great Lakes Education Center

Spring 2010 **ARCH 452 Synthesis Studio**
Re-ligare Institute – Reconnecting Body And Mind

Spring 2009 **ARCH 452 Exit Studio**
A New Public Library For Barcelona, Spain

Fall 2007 **ARCH 251 Design Studio III**
Seneca / Belton Excursion Terminal

Studios in Berlin

Spring 2007 **Comprehensive Studio**
A Space For Music - Rostock Concert Hall

Fall 2006 **Comprehensive Studio**
Viewing Tower Hamburg

Fall 2006 **XELLA Student Competition**
Living At The Waterfront - A Holiday Village In Zehdenick

Spring 2006 **Schueco Student Competition**
Exhibition Pavilion For A Facade Competence Center

Spring / Fall 2005 **Comprehensive Studio**
Airbus Aviation Center

Seminars

Spring 2023 **ARCH 8740 Building Process** (co-taught with Prof. Vincent Blouin)

Fall 2022 **ARCH 8720 Production and Performance** (co-taught with Prof. Dan Harding and Prof. Vincent Blouin)

Spring 2022 **ARCH 8740 Building Process** (co-taught with Prof. Vincent Blouin)

Fall 2021 **ARCH 8720 Production and Performance** (co-taught with Prof. Dan Harding and Prof. Vincent Blouin)

Spring 2017 **ARCH 890 Directed Studies**
Comfort Dwelling in America: Architectural Passive Strategies for Sustainable Housing

Spring 2014 **ARCH 874 Building Process** (co-taught with Carlos Barrios)

Fall 2011 **ARCH 874 Building Process** (co-taught with David Nocella)

Fall 2013 **ARCH 879** Selected Topics in Architectural Technology
Easley Zero Energy House

Spring 2012 **ARCH 879** Selected Topics in Architectural Technology
Clemson Zero Energy House

Fall 2011 **ARCH 874 Building Process** (co-taught with Prof. Vincent Blouin)

Fall 2010 **ARCH 874 Building Process** (co-taught with Prof. Vincent Blouin)

Spring 2010 **ARCH 873 Environmental Systems** (co-taught with Prof. Dan Harding)

Fall 2009 **ARCH 874 Building Process** (co-taught with Prof. Vincent Blouin)

Spring 2009 **ARCH 873 Environmental Systems** (co-taught with Prof. Dave Lee)

Fall 2008 **ARCH 874 Building Process** (co-taught with Prof. Vincent Blouin)

Spring 2008 **ARCH 874 Building Process** (co-taught with Prof. Vincent Blouin)

SERVICE

Professional Organizations

- 2007 - 2012 ACSA (Association Of Collegiate Schools Of Architecture)
Councilor, Clemson University
- 2016 - current State of South Carolina
Energy Independence and Sustainable Construction Committee | Member

Clemson University

- 2021- present **CAAH Global Engagement Committee | Member**
- 2021 **Search Committee CAAH: Director Student Services | Member**
- Since 2015 **AAH Global Initiatives Committee | Member**
- 2015 + 2019 **Fluid Campus Task Force | Member**
- 2015 **Certificate in Creativity Committee | Member**
- 2013 **URGC - University Research Grant Committee | Member**
- 2011 | 13 **Graduate Fellowship And Awards Committee | Member**
- 2011 | 13 **Graduate Council | Member**
- 2010 - 2012 **Creative Inquiry Committee | Member**

School of Architecture

- 2023 **Search Committee, School of Architecture**
Position: Assistant or Associate Professor - Architecture + Computation + Making
- 2021 **Search Committee, School of Architecture**
Position: CACC Director
- 2021 **Tenure and Promotion Committee, School Of Architecture**
- 2021 **Director Review Committee | Chair**
- 2019 **Search Committee, School of Architecture | Chair**
Position: Director School of Architecture
- 2019 **Tenure and Promotion Committee, School Of Architecture | Chair**
- Summer 2019 **Search Committee, School Of Architecture**
Position: Lecturer
- 2016 | 2017 | 2018 **Search Committee, School Of Architecture**
Position: Mickel Endowed Chair
- since 2015 **Tenure and Promotion Committee, School Of Architecture | Member**
- 2015 **Search Committee, School Of Architecture**
Position: Undergraduate Director | Member
- 2015 **Search Committee, School Of Architecture**
Position: Professor in Practice in A+H | Member
- 2015 **Search Committee, School Of Architecture**
Position: Assistant Prof. | Member
- 2014 **Search Committee, School Of Architecture**
Position: Endowed Chair in A+H | Member
- 2014 **Faculty Search Committee, School Of Architecture**
Position: Technology | Chair
- 2014 **Faculty Search Committee, School Of Architecture**
Position: Visualization | Chair
- 2014 **Faculty Search Committee, School Of Architecture**
Position: Lecturer | Chair
- 2014 **Bylaws Committee, School Of Architecture | Member**
- 2012 | 2013 **Centennial Committee | Exposition Concept And Organization**
- 2012 **Chair Review Committee | Member**
- 2011 | 12 **Faculty Search Committee, School of Architecture**
Position: Technology | Member
- 2011 | 12 **Faculty Search Committee, School Of Architecture**
Position: History / Theory | Member
- 2011 | 12 **Faculty Search Committee, School Of Architecture**
Position: Lecturer | Member

- 2011 **Exposition For The NAAB Accreditation Visit, School Of Architecture**
Organization And Realization
- 2010 - 2012 **Chair Advisory Committee** | Member
- 2009 **Chair Search Committee** | Member
- 2009 - 2011 **Curriculum Committee** | Member
- 2008 **Exposition For The NAAB Accreditation Visit, School Of Architecture**
Organization And Realization
- 2008 - 2009 **Graduate Admissions, School Of Architecture** | Member
- 2007 | 08 **Faculty Search Committee, School Of Architecture**
Position: History And Theory | Member
- 2007 | 08 **Faculty Search Committee, School Of Architecture**
Position: Environmental Systems | Member
- 2007 | 08 **Faculty Search Committee, School Of Architecture**
Position: Structure | Member
- 2007 - 2013 **Technology Group** | Member
- Juries
- 2010 **St. Petersburg Award** | Chair
- 2008 **St. Petersburg Award**
- 2005 **Daimler Chrysler Architecture Award, Technical University Berlin**
Design, Organization And Implementation Of The Preliminary Examination In The Student
Competition