

Stephanie D. Thomas-Rees

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A building science professional with extended history of teaching experience. Possesses successful grant writing proficiency, resourceful industry partnership assimilations & excellent public speaking/presentation capabilities.

Education

OXFORD BROOKES UNIVERISTY, Oxford, England <i>M.Sc., Energy Efficient Building – Honors</i>	January 2000 - December 2000
CLEMSON UNIVERISTY, Clemson, SC <i>B.S., Architectural Design</i>	August 1993 - December 1995
UNIVERSITY OF FLORIDA, Gainesville, FL Lateral transfer to Clemson University	July 1990 - August 1993

Synergistic Activities & Software Skills

- ◆ 2016/2017 Vice President Florida Green Building Coalition www.floridagreenbuilding.org
- ◆ 2016/2017 Faculty Advisor www.TeamDaytonaBeach.com ERAU & DSC student competition in US Solar Decathlon www.solardecathlon.gov
- ◆ 2014/2015 Metro Orlando Parade of Home Technical Judge
- ◆ 2012/2013 Halifax Area Advertising Authority, Sports Advisory Council
- ◆ 2012 Race Director Lighthouse Loop Half Marathon (netted +\$20,000 for Volusia County High School)
- ◆ National Association of Home Builders Certified Green Professional
- ◆ Florida Green Building Coalition Board Member (2007 -2017) and Registered Certifying Agent (since 2006)
- ◆ Steering Committee Member of Metro Orlando Green Building Committee
- ◆ Fall 2005 –present, Guest lecture *Green Buildings* at UCF, Mechanical part of CCE4813, Mechanical and Electrical Systems for Buildings
- ◆ United States Green Building Council, LEED-H Field Agent
- ◆ CIBSE Daylighting Design (10/25/00), CIBSE Energy Efficiency in Buildings (04/12/00)
- ◆ Energy Auditing: EnergyGauge, RESCheck; AutoCAD; Google Earth; Microsoft Office Suite; Adobe: Acrobat, Photoshop, InDesign; GIS: ArcGis8.0, ArcView, ArcMap; Advanced Materials, Thermal Comfort, Architectural Graphics and Standards, Timber, Steel and Concrete Design, Daylighting and Acoustics

Experience

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| Daytona State College
Adjunct Professor | Daytona Beach, FL
January 2016 – current |
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- Teach a range of courses within the Department of Buildings and Architectural Technology; Materials & Processes, Sustainable Design, Estimating, Architectural Drawing.
 - Prepare and submit grade reports and other reports on student performance
 - Organize class activities and assignments, relating them to the overall learning outcomes of the course.
 - Networked with industry leaders and encouraged student internships and employment opportunities.
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| Trifecta Construction Solutions
Director, East Coast Operations | Daytona Beach, FL
February 2016 – current |
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- Consults with design, construction, and development professionals providing expertise required to cost effectively achieve green building, sustainable development and high performance goals for projects including certifications, performance modeling and monitoring and building testing.
 - Provides introductory seminars, customized education sessions, certification comparisons, and CEU's for all industries including government, real estate, developers, builders and academic institutions.
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| New South Access & Environmental Solutions
Director of Environmental Projects | Southeast
September 2013-February 2016 |
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- Designed and managed environmentally sensitive access plans for energy industry to access wetlands without compromising human health or safety.
 - Presented at industry trade shows and conferences the importance of low impact wetland access

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Experience (continued)

Florida Solar Energy Center

Cocoa, FL

Research Architect/Energy Efficient Design Analyst

February 2002 –February 2015 (retired)

- DOE Building America lead technical assistance provider for a high production builder's initiative of zero-energy homes. Duties include cost effective conservation measures and optimization of systems to ensure affordability.
- Webinar co-host for *FSEC's Achieving Zero Energy Green Homes*, 12 course seminar offered online (http://www.fsec.ucf.edu/en/education/cont_ed/bldg/pdf/zero-energy.pdf)
- Building America team member responsibilities includes developing specifications for an advanced manufactured home that can be used to efficiently shelter people after disasters and coordinating energy efficient strategies for the manufactured housing industry (http://securedb.fsec.ucf.edu/pub/pub_show_detail?v_pub_id=4191)
- Task leader of DOE/NASEO contract developing specifications, guidelines, and benchmarks for procuring energy efficient modular classrooms with optimal indoor air quality and natural light (see publication below for html).
- Analyzed comparative, monitored data of modified and typical modular classrooms to create logistics and procurement database for purchasing protocols to improve modular construction at lowest possible cost.
- Led the design and construction of the award winning K-9 comfort cottage
<http://www.baihp.org/casestud/pethouse/index.htm>

Columbia County GA

Evans, GA

Greenspace Coordinator/ Special Projects Manager

May 2004 –July 2005

- Greenspace coordination responsibilities included acquiring property and conservation easements for permanent protection, collaborating with land trusts and assisting in the design and development of greenways and passive recreational parks. Responsible for 140 acre landmark acquisition adjacent to historical Heggie's Rock (<http://www.columbiacountyga.gov/home/index.asp?page=3061>)
- Development, implementation, and management of various grant programs, design work and oversight of design projects including design and specification development for the county's first LEED certified building at Reed Creek Wetlands Interpretive Park (<http://www.columbiacountyga.gov/home/index.asp?page=2469>)

The Scott Partnership Architecture

Orlando, FL

Project Manager

May 2001-February 2002

- Project architect responsible for design, specification generation and construction administration of 100,000 s.f. office complex, and various commercial projects.
- Designated energy efficiency and code coordinator for various projects.

Oxford Brookes University

Oxford, UK

Environmental & Construction Tutor/Conference Co-Coordinator

January 2000 – January 2001

- Lectured thermal energy, climate analysis and solar fundamentals to 2nd and 3rd year architecture students.
- Co-Coordinator for international conference, "Moving Thermal Comfort Standards into the 21st Century"; hosted by Oxford Centre for Sustainable Development (April 2001)

David Morrison Associates, N.V

Sint Maarten, DWI

Project Manager/ Architect Intern

June 1998-June 1999

- Fulfilled one year contract applying standardized codes to documentation of Caribbean Architecture related to the impact of tourism, government projects and high-end residential design.
- Developed and completed Frontstreet Attenuation Project under budget.

Valencia Community College

Orlando, Florida

Adjunct Professor

January 1998-April 1998

- Taught *Construction Blueprint Reading*; a required, advanced and specialized course for Building Construction Technology Associate in Science Degree; developed lesson plans and testing material

Interplan Practice, Inc.

Orlando, Florida

Project Coordinator / Architect Intern

October 1997-May 1998 / April 1996-February 1997

- Developed concepts and managed construction documents for numerous theme park projects
- Reviewed projects for A.D.A (Americans with Disabilities Act) violations and proposed budgets and solutions to facilitate compliance.

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Highlighted Publications & Presentations

Thomas-Rees, S., Parker, D., Sherwin, J., "Lessons Learned in Portable Classrooms", *ASHRAE*, May 1, 2009.

Thomas-Rees, S., Chasar, D., Chandra, S., and Stroer, D., "Green and High Performance Factory Crafted Housing", Sixteenth Symposium on Improving Building Systems in Hot and Humid Climates, December 15-17, 2008, in Dallas, TX.

Thomas-Rees, S., Chasar, D., Beal, D., Chandra, S., "Using Show Homes (and Sponsorships) to Persuade Commissioning Relevancy and Factory Crafted High Performance Modular Homes", January 2008.

Roaf, Sue, Fuentes, Manuel, Thomas, Stephanie., "Ecohouse A Design Guide", 1st, 2nd, 3rd and 4th Eds., Elsevier Ltd., UK, 2001, 2003, 2007, 2012.

Thomas-Rees, Stephanie, "FGBC Certification: Avoid Key Mistakes," *Florida Home Builder Magazine*, October 2007.

Thomas-Rees, Stephanie., "Energy/Air Quality: Using the Best Gives Builders Edge," *Builder/Architect*, Vol. 7, No. 1, Sioux Empire Ed., Green Building special Issue, 2009.

Thomas-Rees, Stephanie, Chandra, Subrato, Barkaszi, Stephen, Chasar, Dave, Colon, Carlos, "Improved Specifications for Federally Procured Ruggedized Manufactured Homes for Disaster Relief in Hot/Humid Climates" Published: Florida Solar Energy Center , Rpt: FSEC-CR-1645-06, Aug. 03, 2006

Thomas, Stephanie, Parker, Danny, Sherwin, John, "Preliminary Evaluation of Performance Enhanced Relocatable Classrooms in Three Climates," Presented at the 2004 ACEEE Summer Study on Energy Efficiency in Buildings, American Council for an Energy Efficient Economy, Washington D.C. August 2004;
http://securedb.fsec.ucf.edu/pub/pub_show_detail?v_pub_id=4054.

Personal Hobbies, Activities, Bragging Corner

- Mother of two: 11 yr old daughter named Coral, an 8 year old son named Ryder
- Enjoys running: participates in approximately 4 marathons a year, multiple half and 5ks
- Pre-children accomplishments: professional waterskier and competitive racquet ball player
- Enjoys anything outdoors including offshore and redneck fishing; hunting and leisure boating
- 5th generation Floridian and passionate about preserving Florida's ecosystem and the environment in general.