

Olaitan Awomolo, LEED AP BD+C

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Education

Doctor of Philosophy, Architecture-Engineering-Construction Management (AECM), School of Architecture, Carnegie Mellon University. Expected December 2017

Dissertation Title: *"Functional Diversity, Communication and Performance in Multidisciplinary Building Design Teams"*

Master of Science, Architecture-Engineering-Construction Management (AECM), School of Architecture, Carnegie Mellon University. December 2013

Bachelor of Science, Architecture, Department of Architecture, University of Lagos. December 2011

Relevant Skills and Coursework

- Social and Economic Networks
- Organizational Analysis
- Project Management for Construction
- Engineering Economics
- Infrastructure Management
- Zero Energy Housing
- Building Energy Data Management
- Management Science

Project Experience

Building Environmental Assessment System for Lagos, Nigeria. August - December 2013

LEED Buildings and Green Design, SoArch, CMU

Developed an environmental assessment rating system for commercial new construction for Lagos, Nigeria covering energy and water consumption, use of materials and sustainable sites

EEFPI Intern. May - July 2013

Adeniyi Coker Consultants Limited, Lagos, Nigeria

Worked with homeowners and utility companies as a contact for PHFA weatherization services including identification of funding and scope of retrofit services. Assisted in the development and implementation of PHFA's and ACTION-Housing's financial education session

Residential Deep Energy Retrofit, Homestead, PA, US. January - May 2013

Zero Energy Housing, SoArch, CMU

Proposed possible upgrade measures to achieve near zero net energy consumption of Homestead Pattern Book Houses.

Sustainable Water Management, Larimer, PA, US. January – May 2013

Infrastructure Management, CEE, CMU

Explored net-zero energy and water alternatives, using asset management tools, to provide cost-effective engineering upgrades for the community.

Analysis of the Hearst Tower. August - December 2012

Value Based Design, SoArch, CMU

Performed a pre- and post-facto cost/benefit analysis on the design and construction of the energy saving features of the Hearst Tower, New York.

Architecture Intern. October 2012 – February 2012

Adeniyi Coker Consultants Limited, Lagos, Nigeria

Prepared an Audit Report of existing building conditions for the redesign of the Lagos Boat Club, Ikoyi. Developed preliminary, conceptual and construction documents and specifications for private residential and commercial developments in Ikoyi and Lekki, Lagos.

Teaching and Advising

Graduate Teaching Fellow, Eberly Center for Teaching Excellence and Educational Innovation. January 2017 – present

Work with teaching consultants to support the professional development of CMU graduate students regarding teaching. Facilitate teaching workshops and consult with graduate students on evidence-based, effective teaching strategies.

AECM Fellow. January 2015 – May 2016

Worked on AECM Masters course and enrollment advising, addressing student issues and concerns and assisting with Internship placement

Value Based Design Instructor, SoArch CMU. August - October 2015

The course introduced students to the idea of value in design through a multidisciplinary lens. Modified existing course material on the Value Based Design introduction course. Taught the course to first and second year masters students in the School of Architecture.

Paradigms of Research in Architecture, Teaching Assistant, SoArch CMU. January - May 2014

The course introduced students to writing a research proposal in architecture. Graded student assignments through the course and gave feedback when necessary.

Architecture Building Communities, Teaching Assistant, SoArch CMU. May - August 2014

Co-ordinated a two-week summer workshop for middle school kids to work with architecture students. The kids helped with building models laying out spaces.

UDream Program, Teaching Assistant, Remaking Cities Institute, CMU. Summer 2014

Coordinated the summer UDream program. Scheduled classes and organized events for the 2014 UDream Fellows

Future Faculty Program. May 2015 - January 2017

Courses taken: Course & Syllabus Design. Summer 2015; Monitoring Your Teaching Effectiveness. Fall 2015; Providing Helpful Feedback. Fall 2015; Teaching Effectively with Technology. Fall 2015; Handling Problematic Student Behavior. Fall 2015; How much is too much? Providing undergraduates with the right level of challenge; Fall 2016, Engaging Students in Active Learning. Fall 2016; Conducting Productive and Engaging Discussions, Spring 2017.

Leadership Experience

Graduate Student Colloquium. January – December 2014

Organized the graduate student colloquium in the School of Architecture. A weekly meeting of graduate students to present their research and exchange ideas.

Graduate Student Teaching Award Committee. 2016 and 2017

Served as a member of the graduate student teaching award committee to review submissions put forward.

Graduate Student Representative. August 2016 - ongoing

Serving as the School of Architecture PhD student representative. Attending regular meetings with the Head of department to address student issues.

Research Experience

Design Thinking Research Project II, CMU. January - November 2016

Evaluated a shared dataset provided on co-creation in different cultural contexts.

Design Thinking Research Project I, CMU. January - October 2014

Evaluated a shared dataset provided on design education and instructor feedback. Interactions between student designers were studied to understand how interactions related to design acts using protocol analysis.

PHFA Multifamily Upgrade Analysis, PA, US. Jan 2013 – May 2013

Evaluated pre- and post-retrofit energy consumption data for 8,300 housing units to determine effectiveness of upgrade measures. Involved in database development, including analysis of property and equipment characteristics that may affect energy outcomes.

Publications

Akin, O., & Awomolo, O. (2014). A Discursive Approach to Understanding Dependencies between Design Acts.

Baird, N., Tetali, S., Li, D., Sypolt, M., Zhou, M., Ma, X., ... & Awomolo, O. (2014). Energy and Water Savings in Multifamily Affordable Housing.

Conference Presentations

A Discursive Approach to Understanding Dependencies between Design Acts. Design Thinking Research Symposium 10, Purdue Indiana, October 2014

A Process - Product Study of Building Design: Identifying Product Variables for Evaluating Design Performance. Tenth International Conference on Design Principles and Practices, PUC Rio, February 2016

Communication and Design Decisions in Cross-Functional Teams. Design Thinking Research Symposium 11, Copenhagen Business School, Copenhagen, November 2016

Communication and Performance in Multidisciplinary Design Teams. Eleventh International Conference on Design Principles and Practices, George Brown, Toronto, February 2017