**Dr. Lewis S. Waller**

**Interim Chairperson Construction Management**

**School of Architecture & Planning**

**Morgan State University**

**Baltimore, Maryland**

**Office: (443) 885-4793**

**Formal Education**

Doctor of Philosophy in Education

Specialization: Teaching and Learning (2008)

Capella University, Minneapolis, M.N.

**Dissertation:** A Naturalistic Investigation into the Role of Mentoring from the Perspective of New Tenure-Track Faculty at Historically Black Colleges and Universities

Master of Science: (Technology Education), 1996

North Carolina A&T State University, Greensboro, North Carolina

Bachelor of Science: (Cum Laude) – (Industrial Technology, Building Construction), 1983

North Carolina A&T State University,Greensboro, North Carolina

**Academic/ Industrial Work Experience:**

**July 2017- Present** Interim Chairperson and Associate Professor Construction Management, School of Architecture & Planning, Morgan State University, Baltimore, Maryland

**Responsibilities include:**

* Revised the CM curriculum
* Created new academic courses, assessments, and projects for CM
* Worked on CM student learning outcomes for department and ACCE
* Implemented CM goals and objectives
* Develop course schedules and assign to faculty
* Conduct annual performance review of all faculty members
* Mentor faculty member and establish faculty workload
* Learn and utilize new technologies which enhances the department performance and student success
* Engaged in student success and career readiness
* Recruitment
* Preparing curriculum and courses for ACCE accreditation
* Advise and prepare students academically and professionally
* Implemented an Advisory Board for the CM
* Engaged and collaborating with leader in the construction industry
* Teaching courses and research
* Community engagement and collaboration with MCCEI, CMAA, ABC, AGC
* Assisted with SA+P Career Fair
* Served on Honorary Degree & Studio Redesign committees for SA+P
* Implemented Proposals for Faculty Fellowship
* Implementing School and Program SLOs
* Faculty Mentor Representative for Career Pathway Initiatives
* Schedule department meetings with faculty
* Serve on Advisory Committee at Ann Arundel Community College
* MCCEI Representative
* ASC Judges and Mentorship for
* Search Committee for Retention
* Coordinator and Career Coordinator
* Manage student administrative requests such as waivers, course override to the course within the Department, excess credit, independent study and internship requests.
* Meet with students, as appropriate, regarding concerns about courses, faculty, and policies.
* Work with Dean to promote the Department to the wider institution vision

**July 2018** Faculty Summer Internship Fellowship:Hensel Phelps Construction Co. located in Forte Meade, Maryland

**Responsibilities include:** Engaged in an experiential learning partnership, gained in-depth knowledge about Duct banks Electrical, Precast Concrete and Trench work, RFI, and GSI equipment’s, engaged with Office Engineer and Field Engineer daily activities of building

**May 2017 to June 2017** Faculty Summer Internship Fellowship:Samet Construction Co. located in Greensboro, North Carolina.

**Responsibilities include:**

* Engaged in an experiential learning partnership
* Gained in-depth knowledge about Preconstruction, Lean Scheduling, Estimating, BIM
* Reviewed Plans (update)
* Engaged with Office Engineer and Field Engineer daily activities of building Oak High School

**August 1998 to May 2017:**  Assistant Professor and Program Coordinator of Construction Management, College of Science & Technology, North Carolina A&T State University, Greensboro, North Carolina

**Responsibilities include:**

* Teach undergraduate and graduate-level construction management and safety courses
* Teaching online courses
* Manage construction laboratory
* Accountable for curriculum planning and reviewing courses for the Construction Management program
* Coordinator for American Council for Construction Education (ACCE) and Applied Technology, Management and Applied Engineering (ATMAE) accreditation
* Provided leadership in Institutional Effectiveness Report
* Program liaison for university and program student learning outcomes
* Accountable for grants, publications, and administering budget
* Student Success Committee
* Participate in student recruiting
* Liaison for corporation partnership
* Supervise graduate student projects and thesis
* Manage community economic development training and outreach activities
* Serve as coordinator of Construction Management Advisory Board
* Serve as Advisor to construction management students 50 per semester
* Advisor for New Freshmen
* Advisor for Association of General Contractor Student Chapter
* Advisor for Associated Building & Contractor
* Perform community services and outreach
* Served on the Faculty Senator Grievance Committee
* Facilitated faculty research through active learning lessons/workshops
* Coordinator of Construction Management
* Search Committee Coordinator for New Faculty
* Strategic Planning and Program development

**May 2009 –August 2009** Faculty Summer Internship Fellow:Hensel Phelps Construction Co. The FORSCOM/USARC headquarters at Fort Bragg, North Carolina is the site of a $300 million project that is one of the largest awards in the U.S. Army Corps of Engineers.

* Engaged in an experiential learning partnership.
* Gained in-depth knowledge about Design Build
* Obtained a Certificate in a 16 week Prolog Training
* Trained in On-Screen Center Estimating Software
* Worked on Building Information Model project
* Reviewed Documentation about the Procurement of the job.
* Reviewed Plans (update)
* Studied soil conditions, layout of the site and environmental issues.
* Conducted site visits which provided a complete overview of the preparation processes that are utilized in the demolition, utility infrastructure, and layout of the project.
* Observed the erection of steel, show drawings, formwork erections procedures, carne operations in regard to lifts and weight capacity, anchors, rebar erections for walls and footings.

**August 1996 – June 1998** Technology Education Teacher , Grade 6-8, Rockingham County School, Eden, N.C.; Holmes Middle School.

* Set up technology lab and new computer modules through Applied
* Educational System Inc.
* Responsible for instructions and evaluation of eleven modules and there concept
* Coordination of technical system for Holmes Television Network
* Implemented team teaching within the traditional classroom
* Responsible for setting up lab at other local middle schools
* Trained other vocational teachers on technology modules

**August 1996 - June 1998** Site Coordinator, County of Rockingham (Support Our Students Program), Wentworth, North Carolina.

* Tutored Underachieving Teens, and engaged them in real-life experiences

**August 1994 - May 1996**  Graduate Assistant, North Carolina A. & T. State University. Duties consisted of teaching, research and laboratory management.

**October 1995 – June 1996** Vocation Education Teacher, Guilford County School, Southeast High School, Greensboro, North Carolina.

* Responsible for instructions and evaluation of Carpentry classes
* Maintained of School construction repairs
* Prepared students for VoCAT Test
* Implemented team teaching within the traditional classroom

**January 1984 – June 1994**  Relief Supervisor, Sara Lee Knit Product, Martinsville, Virginia.

* Duties and responsibilities consisted of imposing disciplinary action, processing payroll, attendance
* Operated computer and recorded employees daily performance
* Ensure Quality Control and Productivity
* Safety Coordinated and Emergency Planner
* Trained Knitters
* Supervised 120 or more employees

**December 1980-December 1983** **Yates Construction Company**, Greensboro, North Carolina. Assisted in the construction on residential home building, reading plan, and management.

**Selected Professional Development Activities (Workshop/Seminars, etc.)**

* Attended the “Writing Winning Grants” Seminar & Workshops, F.A.S.E.B and North Carolina A&T State University (2009)
* Completed Prolog Training and passed the Certification (2009)
* Attended several classes regarding academic improvement workshops (teaching and research)
* Completed training in Sage Timberline Estimating Software in Charlotte, NC
* Completed training in Primavera Scheduling Software in Charlotte, NC
* Attended and made scholarly presentations at various professional organizations
* Attended Faculty Writing Support Group, North Carolina A&T State University
* Served as a Coach for the AGC/ASC Region II Competition, Commercial Division, Jacksonville, Florida (2008)

**Selected Grant/Research Project**

**Researcher Title of Project Year Funded Amount**

Waller, L. Scholarship Barton Marlow 2018 $50,000

Gibson, G. Career Pathways Initiative 2017-2018 $2,000,000

Waller, L Faculty Rep.

Cobb, R. STEM@UB Online NC Accessible learning 2015 $250,000

Waller, L. environments and experiences for Upward **Not Funded Yet**

Graham, T. Bound students and program using distance

 learning

Ofor-Boadu, A. Energy Efficient in HUD MultiFamily 2015 $98,806.67

Shofoluwe, M. Communities: The Role of Customized **Not Funded Yet**

Yeboah, F. Energy Plans, Social Networking and

Waller, L Occupant Lifestyles

Sowells, E, Females in Technology Summer Boot 2015 $9925.00

Ofor-Boadu, A.

Waller, L.

Abernathy, S

Shofoluwe, M. Job Attributes of Electrical Construction 2014 $30,000

Waller, L. and Relationships to Affective Worker **Not Funded**

 Outcomes: Implications for Employee Motivation and Job Satisfaction

Draper, S. Technology Innovation Living Learning 2013 $5000.00

Waller, L. Student Community **Not Funded**

Waller, L. ATL Professional Development Grant 2013 $1687.00

Waller, L. ATL Professional Development Grant 2013 $1477.00

Waller, L. ATL Professional Development Grant 2012 $1328.00

Graham, T. A-2012 Sustainable Housing Project 2012 $2,000,000

Waller, L . **Not Funded**

Shofoluwe, M. Community Empowerment & Sustainable 2011 $800, 000

Waller, L . Workforce Development Initiative

Waller, L. DOT Center for Transportation Career  2011 $192,962 Bock-Hyeng, C. Advancement and Workforce **Not Funded**

 Development Excellence

Waller, L. Cemala Foundation 2010 $10,000

Draper, S. Youth Technology Program

Mosley, B.

Shofoluwe, M., Neighborhood Revitalization & 2009-2011 $698,000

Waller, L Skilled Construction Trades Training 2009 $88,736 Shofoluwe, M. **Not Funded**

Draper, S Cemala Foundation, 2009 $20, 571

Waller, L, et al Youth Technology Program

Waller, L. et al Micro-Enterprise Expansion Initiative

Cobb, R. Integrating construction, manufacturing, 2006-2007 $11,000

Waller, L. et al and electronics concepts in the context

 of engineering graphics: A collaborative

 instructional design approach

**Selected Conference and Seminar Presentations**

**Ofori-Boadu, A., Waller, L., & Porter, D. (2018).** Exploration of Informal Learning Experiences for Strengthening Undergraduate Students’ Construction Career Identities. 6th IAJC International Conference.October 2018.

**Waller, L. & Panthi, K. (2017).** A Study of the Impact of Green Building Education and Training on Quality Among U.S. Residential Contractors. Journal of the National Technical Association 89th Annual Conference. September 2017.

**Waller, L. & Ofori-Boadu, A. (2016).** An Assessment of the Impact of Green Building Training of the Quality Characteristics of U.S. Residential Contractors. ATMAE Conference, November 2016.

**Ofori-Boadu, A. & Waller, L. (2016).** LEED Documentation Requirements for Commercial Building Projects: Problems and Solutions.ATMAE Conference, November 2016.

**Waller, L.; Ofori-Boadu, A.; Sowell, E. (2015).** An Exploratory Study of the Characteristics Quality of Residential Contractors Green Building in the United States. ATMAE Conference, November 2015.

**Ofori-Boadu, A., Waller, L., Shofoluwe, M. (2015).** Managing Subcontractor-Related Challenges on LEED Projects: The U.S. Green Contractors’ Perception. ATMAE Conference, November 2015.

**Ofori-Boadu, A., Waller, L., (2015).** A Framework for the Implementation of Service-Learning Projects for Construction Management Courses. ATMAE Conference, November 2015.

**Ofori-Boadu, A. & Waller, L. (2014).** Exploring Conceptual Cost Estimating Models for the World’s Tallest Buildings. ATMAE Conference, November 2014.

**Bock Hyeng, C; & Waller, L. (2014).** Chronology of Erection of the Earliest Reinforcement Concrete Shells. ATMAE Conference, November 2014.

**Waller, L., Draper, S., Ofori-Boadu, A., & Foust. D. (2013).** Analysis of Construction Management Graduate Perceptions Of Higher Education Program and Employability Skills Implemented In the Workplace. ATMAE Conference, November 2013.

**Ofori-Boadu, A. & Waller, L. (2013).** Energy Efficiency in the Commercial Buildings Sector: An Assessment of U.S. Energy Programs. ATMAE Conference, November 2013.

**Draper, S. & Waller, L. (2012). “**Youth Technology Programs: High School Students Learning in Graphic Communication Programs”ATMAE Conference, November 2012.

**Waller, L. & Draper, S. (2012).** “A Bridge from High School to College Success”. South Eastern Technology Education Conference. North Carolina Agricultural and State University, Greensboro, NC.

**Waller, L. & Draper, S. (2011).** , “Youth Technology Program” Improving high school students awareness of technology”. South Eastern Technology Education Conference, [**Appalachian State University,**](http://en.wikipedia.org/wiki/Appstate) Boone, NC.

**Waller, L. & Draper, S. (2011).** “Sustainable Workforce Development Through Employability Skills Education”, Association of Technology, Management, and Applied Engineering.

**Waller, L. & Draper, S. (2010).** Youth Technology Program: Improving high school students awareness of technology and the role of technology in their lives. Southeastern Technology Education Conference, Virginia Tech, Blacksburg, VA,

**Waller, L.** **(2010).** Implementing Active Learning in the Classroom through Obtained Employable Skills in the Construction Industry. The 24th Annual Ronald E. McNair Commemorative Celebration and Symposium, North Carolina A & T State University. Greensboro, NC.

**Waller, L**., **(2009).** A Naturalistic Investigation into the Role of Mentoring from the Perspective of New Tenure-Track Faculty at Historically Black Colleges and Universities 23rd Annual Ronald E. Mc Nair Commemorative Celebration and Eight National Research Symposium at North Carolina A&T State University Greensboro, NC. (Refereed)

**Waller, L.** **(2009)**. Mentoring and Retention of New Faculty in Higher Education A Limited Qualitative Study. 1st ATMAE Annual conference proceedings, Louisville, KY. (Refereed)

Ofori-Boadu, A., **Waller, L.,** & Shofoluwe, M.A**. (2009).** Risks Associated with managing Subcontractors on Green Commercial Projects. 1st ATMAE Annual conference proceedings, Louisville, KY. (Refereed)

**Waller, L.** **(2007).** “OSH 10 hr. General Industry Workshop and Accreditation”, National Association of Industrial Technology. 39th Annual Convention, Cleveland, Ohio. (Refereed)

**Refereed Journal Publications**

* **Waller, L.,** Foust, D.F. & amp; Panthi, K. (2019). Academic Satisfaction and Career Preparedness: An Exploratory Study on the Perceptions of Construction Management Graduates. *Springer Journals.* 11th International Conference on Construction in the 21st Century, September 9-11, London, UK.
* Ofori-Boadu, A. & **Waller, L**. (2019). Professional Identity Formation and Development in HBCU Construction Students. *American Society for Engineering Education.* 126th Annual Conference & Exposition
* Panthi, K., **Waller, L.** &amp; Ahmed, S.M. (2019). Residential Construction Risk Management: Does it Happen in Real Life? *Springer Journals.* 11th International Conference on Construction in the 21st Century, September 9-11, London, UK.
* Kamm, J., Shofoluwe, M; **Waller, L**.; (2018). Knowledge Management for Global Competitiveness: Comparative Case Studies in Construction Industry*. International Journal of Business and Management Invention*. No  ( 9,  7,  pp. 52-58).
* **Waller, L.,** Chukwu, I., & Panthi, K. (2018). A qualitative study of the role of social media in the construction industry. *International Journal of Engineering and Science Invention.* *ISSN (Online): 2319 – 6734,* ISSN (Print): 2319 – 6726 Volume 7 Issue 9 (Ver I) Sept. 2018, pp 58-66.
* **Waller, L**.; Shofoluwe, M.; & Ofori-Boadu, A. (2018). Analysis of Risk Assessment Techniques used by Top Construction Firms in United States. *Journal of Engineering Research and Application*. ISSN : 2248-9622, Vol. 8, Issue 8 (Part -III) Aug 2018, pp 71-78
* **Panthi, K.** & Waller, L. (2018). Residential Construction Risk Management: Does it happen in real life? Journal to be Determined. (Under Preparation).
* Ofori-Boadu, A.; Shofoluwe, M..; Debakin, M.; & **Waller, L**. (2016). A framework for the comprehensive management of LEED project documents: Lessons for construction professionals. “Proceedings of the 2016 Conference of International Conference of Technology Education. *Science and Engineering Publishing Company*.
* Sowells, E. , **Waller, L**. , Douglas, J., & Hardiman, H. (2016). Reflections on the 2015 Females in Technology (FiT) Summer Boot Camp for Recruiting Females into Technology Disciplines. “Proceedings of the 2016 Conference for Industry and Education Collaboration Copyright ©2016 *American Society for Engineering Education*”.
* **Waller, L.,** Shofoluwe, M, & Draper, S. (2014*). Youth Entrepreneur Summer (YES) Program. National Teacher Educational Journal*, *vol. 7, (4) 5-10.*
* **Waller, L.** & Shofoluwe, M. (2013). A Qualitative Study of Junior Faculty Mentoring Practices at Selected Minority Higher Institutions. *Journal of Technology, Management, and Applied Engineering,* *29(3) 1-11*.
* Shofoluwe, M..; Ofori-Boadu, A.; **Waller, L**.; Bock-Hyeng, C. (2012). Quality Improvement Practices ofAward-Winning Residential Builders and Housing Developers. [*International Journal of Industrial Engineering & Production Research*](http://ijiepr.iust.ac.ir/xml_out.php?mag_id=28)*, vol. 23,(1) 7-12.*
* Mosley,B., Draper, S., & **Waller, L.** (2012). Youth Technology Program (YTP): A Bridge from High School to College Success.  *North Carolina Council of Technology, Engineering, and Design Teacher Education Journal, vol.14(2012) 8-14.*
* Draper, S., Mosley, B., & **Waller, L.** (2012). Youth Technology Program (YTP): Using Digital Tools to Promote Critical Thinking. *National Teacher Education Journal, vol.5(3) 71-75.*

**Books & Monographs**

Waller, L. (2013). *Mentoring perceptions of new tenure-track faculty at HBCU’s: Mentoring Faculty In Higher Education.* Scholars’ Press. (978-3-639-51847-4).

**Undergraduate Courses Previously Taught**

* CM – Introduction to Construction Management
* CM – Construction Documents
* CM – Construction Drawings & Specifications
* CM – Construction Materials
* CM – Industrial Experience
* CM – Construction Estimating
* CM – Commercial/Industrial Construction & Equipment
* CM – Industrial Experience II
* CM – Construction Estimating II
* CM – Construction Safety
* CM – Construction Planning &Scheduling/Control
* CM – Senior Seminar
* CM – Senior Capstone project
* CM – Project Management
* CM – Construction Management

**Doctoral Dissertation Committee Served**

Wilson, Chevella (2016). An Examination of the Impact Transformational Leadership on Student Success in an Urban School District. North Carolina A&T State University

**Master’s Theses Involvement**

Moore, Taneshia (2016). University Housing Emergency Preparedness: An Evaluation of Students’ Perceptions. Master’s Thesis. NCA&T State University (Committee Member)

Chukwu, Ignatius (2014). A Qualitative Study of the role of Social Media in construction. Master’s Thesis, NCA&T State University. (Committee Member)

Barnett, Tasha (2012). The Integration of Building Information Modeling (BIM). Master’s Thesis, NCA&T State University (Thesis Advisor)

Foust, D. (2012). A Follow-Up Study of North Carolina A &T State University Construction Management Graduates Regarding their Academic and Job Satisfaction. Master’s Thesis, NCA&T State University (Thesis Advisor)

Chinyerere, Farai (2011). An Investigative Study of Quality Characteristics of NAHB Green Home Builders in United States. Master’s Thesis, NCA&T State University. (Committee Member)

**Accreditation Training**

* Updated – Advanced Visiting Team Member Training, ACCE, Tucson, Arizona 2018
* Updated – Advanced Visiting Team Member Training, ACCE, Orlando, Florida 2017
* Advanced Visiting Team Member Training, ACCE, Long Beach, California
* Initial Visiting Team Member Training , ACCE, Kansas
* Advanced Visiting Team Member Training, ACCE Rouge, Louisiana
* Industry Advisory Board Best Practice ACCE

**Accreditation Programs**

* The Association of Technology, Management, and Applied Engineering-Visiting Team Member—Old Dominion University—Department of STEM Education and Professional Studies Industrial Technology Program, Reviewed Curriculum and program of study 04/02/2017 - 04/04/2017.
* American Council for Construction Education – Visiting Team Member—Tuskegee University– Construction Management Program, Reviewed Curriculum and program of study 03/18/2017- 03/21/2017
* American Council for Construction Education – Visiting Team Member –Saskatchewan Polytechnic Moose Jaw –Building Technology & Interior Technology Program, Reviewed Curriculum and program of study 03/14/2015 - 03/17/2015.
* American Council for Construction Education – Visiting Team Member –In Training at the University of Minnesota –Construction Management Program, Reviewed Curriculum and program of study 10/13/2013- 10/16/2013

**Service at University Level (Last 5 Years)**

* CoST Student Success Committee
* Student Advisor Construction Management Program
* Program Coordinator Construction Management Program
* Retention Committee
* Grade Appeal Committee
* Department Curriculum Committee
* Department Faculty Search Committee
* Department’s Program Reaccreditation Committee
* Curriculum Committer Built Environment (Construction Management)
* ATMAE Reaccreditation Committee
* Faculty Senate Representative for CoST
* McNair Services (Workshop)
* Annual Ronald E. McNair Research Symposium
* Enrollment Service Committee
* Coordinator of Construction Management Advisory Board
* Coordinating ACCE Report
* Coordinator of Association of General Contractors and Associated Building & Contractor student chapters
* CoST --Technology Week, Dept. of Built Environment

**Service at State, National and International Level (Past & Present)**

* American Council for Construction Education (ACCE ) curriculum for Construction Management department accreditation at NC A&T State University
* Association of Technology, Manufacturing and Applied Engineering (ATMAE *) – President of Construction* Division (2011-2013)
* Applied Technology, Management and Applied Engineering*– Vice President of Construction* Division (2010-2012)
* *Reviewer* of Construction Track Papers (Proposal) for ATMAE
* Guilford County School Career Fair
* The Construction Contractor Certificate Program for Department of Transportation
* Office of Career Service
* Coordinated Career Technology Education Field Trip—Martinsville Middle School, Martinsville, Va

**Professional & Civic Affiliations**

* Phi Kappa Phi Honor Society
* American Council for Construction Education (ACCE)
* Association of Technology, Manufacturing and Applied Engineering (ATMAE)
* Sigma Lambda Chi Honor Society for Construction