

Charner L. Rodgers

Assistant Professor
College of Architecture and Construction Management
Kennesaw State University
Department of Construction Management
(615)-613-7713
Email: cregist5@kennesaw.edu

Education

PHD, Georgia Institute of Technology, 2011.
Major: Architecture

MENGR, Tennessee State University, 2006.
Major: Engineering

BS, University of Memphis, 2000.
Major: Construction Management
Cum laude

Academic, Government, Military and Professional Positions

Government

Associate Project Manager, Georgia Department of Transportation. (April 1, 2009 - July 15, 2013).

Transportation Engineer Associate, Georgia Department of Transportation. (September 1, 2007 - March 31, 2009).

Professional

General Contractor & Construction Manager, Rodgers & Rodgers General Contractors, Inc. (January 1, 2000 - September 1, 2007).

Real Estate Broker / Loan Officer, Master Realty/Elite Home Loans. (January 1, 2007 - August 31, 2007).

Licensures and Certifications

Real Estate Broker, State of Tennessee. (August 2001 - Present).

OSHA Trainer, GTRI. (June 2012 - Present).

General Contractors, State of Tennessee. (January 2001 - Present).

Awards and Honors

2016 NAHB Student Chapter of the Year, National Association of Home Builders. (January 11, 2017).

2017 1st place RCMC Award, National Association of Home Builders. (January 11, 2017).

2016 KSU Outstanding Early Career Award, Kennesaw State University. (August 2016).

2015 NAHB Chapter of the Year, National Association of Home Builders. (January 21, 2016).

Excellence in Teaching Award, The National Society of Leadership and Success. (April 25, 2015).

Outstanding Junior Faculty Award, National Association of Home Builders. (January 22, 2015).

Professional Memberships

National Society of Leadership and Success, Advisor

Professional Women in Building, Scholarship committee member

Sigma Lambda Chi, Advisor

National Association of Home Builders, Advisor, Student Advisory Board, Committee Member

Delta Sigma Theta, Inc, Member

RESEARCH

Published Intellectual Contributions

Conference Proceedings

Meadati, P., Sathick, M. J., Rodgers, C. L., Williams, B. L. (Published). *Learning Environment Using BIM and Smart Phone..* Orlando, Florida: The 8th International Multi-Conference on Society, Cybernetics and Informatics: IMSCI 2014.

Presentations Given

Rodgers, C. L., GDOT Annual Research Poster Presentation, "RP 13-14 Construction Engineering Inspection Direct Cost Survey," Georgia Department of Transportation, Georgia Department of Transportation. (2015).

Futrell, j. (Presenter & Author), Rodgers, C. L. (Author Only), Williams, B. L. (Author Only), Worthy, R. (Author Only), 11th International Conference on Environmental, Cultural, Economic and Social Sustainability and the On Sustainability knowledge community, "Successful Brownfield Redevelopments," Copenhagen, Denmark. (January 25, 2015).

Rodgers, C. Oral Presentation. Invited "Constructability and Scheduling of PCC Pavements," Georgia Department of Transportation, (2008).

Rodgers, C. Summer Applied Research Program, Poster Presentation. "Phytoremediation of Contaminated Soil with New Generation Pesticides," Tennessee State University. (2006).

Rodgers, C. TSU Industrial Cluster, Oral Presentation. "Phytoremediation of Contaminated Soil with New Generation Pesticides," Tennessee State University. (2005).

Rodgers, C. TechSymposium, Poster Presentation. "Lactate Induction of Ammonia-Oxidizing Bacteria and TCE Cometabolism," Charlotte, North Carolina.(2006).

"Lactate Induction of Ammonia-Oxidizing Bacteria and TCE Cometabolism," Charner Rodgers, TN AWRA, 2006. Montgomery Bell Park, Nashville, Tennessee. Poster Presentation.

"Lactate Induction of Ammonia-Oxidizing Bacteria and TCE Cometabolism,"

TSU Industrial Cluster, 2005. Tennessee State University. Oral Presentation.

"Lactate Induction of Ammonia-Oxidizing Bacteria and TCE Cometabolism," Charner Rodgers, Summer Applied Research Program 2005. Tennessee State University. Oral Presentation.

Contracts, Grants and Sponsored Research

Grant

Rodgers, C. L. (Principal), Williams, B. L. (Co-Principal), "2017 HELP Grant," Sponsored by National Housing Foundation, Other, \$60,000.00. (January 11, 2017 - December 31, 2020).

Abaza, h. (Principal), Rodgers, C. L., "KPU -KSU Collaboration," Sponsored by Department of State, Federal, \$1,000,000.00. (November 1, 2013 - March 31, 2017).

Sponsored Research

Rodgers, C. L. (Co-Principal), El-Itr, Z. M. (Co-Principal), Siddiqi, K. M. (Principal), "RP 13-14 Construction Engineering Inspection Direct Cost Survey," Sponsored by Georgia Department of Transportation, State, \$75,000.00. (March 2014 - October 2014).

Rodgers, C. L. (Principal), "Bifurcation of engineering versus non-engineering task," Sponsored by Georgia Department of Transportation, State, \$68,375.00. (October 2013 - 2013).

Other Intellectual Contributions

Journal Articles

Abaza, h., Rodgers, C. L. (under review). A Multi-Disciplinary Approach to Understand Icy Conditions Over Bridges. *Journal of Performance of Constructed Facilities*, ., Impact Factor: .89

Research Panels

Georgia Department of Transportation, "Downtown Jackson Traffic Study"
Panel judge for Georgia Institute of Technology Capstone Project. Atlanta, Georgia, December 2012.

Georgia Department of Transportation, "CR 633 Stream Relocation Project"
Panel judge for Georgia Institute of Technology Capstone Project. Atlanta, Georgia, December 2012.

Georgia Department of Transportation, "US 78 Reversible Lanes"
Panel judge for Georgia Institute of Technology Capstone Project. Atlanta, Georgia, December 2012.

Georgia Department of Transportation, "Constructability of PCC Projects." Joined and participated in the GDOT Constructability Committee. Discussed new approaches toward conducting quantitative research in constructability for GDOT projects. Lawrenceville, Georgia, January 25, 2008.

Research/Creative Activity Currently in Progress

"Considerations for Selection of Interactive Online Course Development Software for STEM related Programs of Study." (On-Going).

Over the past decade, there has been a major shift in the methods by which people engage in learning. The move toward online instruction at many higher learning institutions has left academics questioning the effectiveness of the distance learning platform. Despite these uncertainties, the growing use of online course development has become prevalent in Science, Technology, Engineering and Math (STEM) programs of study. Considering the degree of interactive, highly descriptive and demonstrative techniques used in traditional STEM courses, it is necessary to identify online course development tools that can achieve the same learning outcomes realized in face-to-face instruction. This paper presents the results of a comparative analysis of three interactive online learning course development tools: Microsoft Office® Mix, Articulate® Studio and Soft Chalk® Create. A quantitative rubric is presented using the Pugh Concept Selection, detailing various components that contribute to successful delivery of STEM related courses. Each software package is assessed based on the degree of component 20 implementation. The need for STEM specific tools are discussed along with other practical implications and possible directions for further study.

TEACHING

Teaching Experience

Kennesaw State University

CM 1000, Orientation to Construction, 2 courses.
CM 3110, Residential&LightCnstMethods, 1 course.
CM 3400, Risk & Quality Management, 2 courses.
CM 3500, Building Codes, 2 courses.
CM 3500Z, Building Codes, 1 course.
CM 3901Z, Bluebeam Software for Estmting, 6 courses.
CM 3903Z, Delay and Mitigation, 1 course.
CM 3904Z, Cons Risk Analysis and Control, 1 course.
CM 4490, Heavy Estimating & Proj Deliv, 1 course.
CM 4639Z, Construction Safety & Law, 2 courses.
CM 4710, Construction Safety, 4 courses.
CM 4710Z, Construction Safety, 9 courses.
CM 4760, Const & Property Law, 3 courses.
CM 4760Z, Const & Property Law, 8 courses.
CM 6100, Const Law: Contracts & Claims, 2 courses.
CM 6100Z, Const Law: Contracts & Claims, 6 courses.
CM 6600, Cons Risk Analysis & Control, 1 course.
CM 6600Z, Cons Risk Analysis & Control, 3 courses.
CM 6904Z, Advanced Scheduling, 2 courses.

NewSchool College Of Architecture & Design

CM 651, Construction Methods & Materials (Online), 16 courses.
CM 652, Project Delivery Systems (Online), 14 courses.
CM 654, Masters Capstone (online), 8 courses.

Georgia Institute of Technology

CM, Advanced Project Management, 2 courses

CM, Construction Cost Estimating, 2 courses
CM, Construction Contracts, 1 course

Westwood College

CM, Construction Methods & Materials 2 courses

Non-Credit Instruction

Certification, OSHA 10, Pulte Group, 29 participants. (August 29, 2016 - August 30, 2016).

Continuing Education, Light Residential Methods & Materials, Kennesaw State University, 6 participants. (May 13, 2016 - May 14, 2016).

Academic Advising

2016-2017, 35 undergraduate students advised, 5 graduate students advised

2015-2016, 30 undergraduate students advised, 3 graduate students advised

2014-2015, 25 undergraduate students advised, 2 graduate students advised

SERVICE

Department Service

Committee Member, Department Faculty Council. (August 2016 - Present).

Committee Chair, Curriculum Committee. (August 2015 - Present).

Faculty Advisor, National association of Home Builders. (August 2014 - Present).

Committee Member, Faculty Search Committee. (January 2014 - Present).

Committee Member, CM Scholarship Committee. (August 2013 - Present).

Faculty Advisor, Sigma Lambda Chi. (August 2013 - August 2016).

Development of CM 3400 Risk Management and Quality, Class Development. (January 2016 - July 2016).

Committee Chair, CM Accreditation Task Force. (January 2015 - April 2015).

Development of CM 3500 Building Codes Online, Class Development. (January 2015 - March 2015).

Drafted framework for a Real Estate and Development degree. (January 2014 - December 2014).

College Service

Committee Member, College Faculty Council. (August 2015 - Present).

University Service

Committee Member, Faculty Senate. (August 2015 - Present).

Faculty Advisor, National Society of Leadership and Success. (August 2014 - Present).

Attendee, Graduation, University Graduations. (August 2013 - Present).

Committee Member, Student Academic Integrity Committee. (August 2014 - May 2015).

Committee Member, University Curriculum Counsel. (August 2013 - May 2014).

Professional Service

National Association of Home Builders, Washington, DC. (January 21, 2016 - Present).

Professional Woman in Building, Atlanta, Ga. (January 2014 - Present).

Associated School of Construction, Poster Reviewer. (January 2017).

Associated School of Construction, Poster Reviewer. (January 2016).

Association Schools of Construction, Poster reviewer. (2015).

Construction Research Conference, Research paper reviewer. (2014).

Development Activities Attended

Conference Attendance, "International Builders Show," National Association of Home Builders, Orlando, Florida, USA. (January 8, 2017 - January 12, 2017).

National Housing Endowment Board Meeting, "NHE HELP grant Meeting," National Housing Endowment, Washington, DC, USA. (November 2016).

Board Meeting, "NAHB Student Advisory Board Meeting," NAHB, Miami, Florida, USA. (August 2016).

Continuing Education Program, "OSHA Train the Trainer Refresher," OSHA GTRI, Atlanta, GA, USA. (April 5, 2016 - April 7, 2016).

Conference Attendance, "International Builders Show," National Association of Home Builders, Las Vegas, Nevada, USA. (January 18, 2016 - January 21, 2016).

Continuing Education Program, "Clery Act Training," Kennesaw State University, Marietta, GA, USA. (October 9, 2015).

Conference Attendance, "National Electrical Contractors Association 2015 Convention," National Electrical Contractors Association, San Francisco, California, USA. (October 3, 2015 - October 6, 2015).

Continuing Education Program, "Email and IM," Kennesaw State University, Marietta, GA, USA. (September 28, 2015).

Continuing Education Program, "Information Security Training," Kennesaw State University, Marietta, GA, USA. (September 28, 2015).

Continuing Education Program, "Passwords," Kennesaw State University, Marietta, GA, USA.
(September 28, 2015).

Continuing Education Program, "Web browsers," Kennesaw State University, Marietta, GA, USA.
(September 28, 2015).

Training, "National Society of Leadership and Success Training Program," National Society of
Leadership and Success, Marietta, ga, USA. (April 25, 2015).

Workshop, "Curriculum Training," Kennesaw State University, Marietta, GA, USA. (April 14, 2015).

Technology Training, "People Admin Training," Kennesaw State University, Marietta, ga, USA.
(April 10, 2015).

Conference Attendance, "International Builders Show," National Association of Home Builders, Las
Vegas, Nevada, USA. (January 18, 2015 - January 22, 2015).