

# Ebony O. McGee, PhD

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## Assistant Professor of Diversity and Urban Schooling

Department of Teaching and Learning

Vanderbilt University

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### RESEARCH INTERESTS

- The impact of racialized biases and stereotypes in science, technology, engineering, and mathematics (STEM) fields for high-achieving marginalized students (Black, Asian, and Latin@).
- Career trajectories and postsecondary pursuits that funnel marginalized students into and out of STEM fields.
- Resiliency, wellness, and mental health outcomes for these high-achieving minoritized students and their identity development (racial, mathematics, ethnic, and gender).
- Explorations into the underrepresentation of Black engineering and computing faculty and potential faculty, i.e., Black engineering and computing PhD students.

### EDUCATION

Postdoctoral **National Science Foundation Minority Postdoctoral Fellow**

2011-2012 Northwestern University, Chicago, IL

Scientific Careers Research and Development Group

Postdoctoral **National Academy of Education/Spencer Foundation Fellow**

2009-2010 University of Chicago, Chicago, IL

Department of Comparative Human Development

PhD **Mathematics Education**

2003-2009 University of Illinois at Chicago (UIC), Chicago, IL

Department of Curriculum and Instruction

Thesis Title: Race, Identity, and Resilience: Black College Students

Negotiating Success in Mathematics and Engineering

*Dissertation Committee:* Dr. Danny B. Martin (Chair), Dr. Eric Gutstein, Dr.

Amanda E. Lewis, Dr. Marvin Lynn, and Dr. David O. Stovall

MS **Industrial Engineering**

1996-1998 New Jersey Institute of Technology, Newark, NJ

College of Engineering, *summa cum laude*

BS **Electrical Engineering**

1991-1996 North Carolina Agricultural & Technical State University, Greensboro, NC

College of Engineering, *summa cum laude*

**ACADEMIC APPOINTMENTS**

- 2012-present **Assistant Professor** of Diversity and Urban Schooling  
Vanderbilt University, Nashville, TN  
Department of Teaching and Learning, Peabody College of Education
- 2010-present **Visiting Researcher** of Scientific Careers Research & Development Group  
Northwestern University, Chicago, IL  
Member of a qualitative research group focused on achieving a deeper understanding of the processes and factors that influence career decisions of young African American, Latino/a, and female potential PhD scientists.
- 2011-2012 **Postdoctoral Researcher**, Scientific Careers Research & Development Group, Feinberg School of Medicine, Northwestern University, Chicago, IL  
<http://www.careersresearch.northwestern.edu/>  
Principal Investigator studying the lives, experiences, and career decisions of 61 Asian, Black, and Latino physical science, engineering, and mathematics advanced undergraduate students. A major goal of this group is to understand more about and investigate why so few academically successful Black and Latino college students are pursuing graduate education or careers in their respective STEM-related disciplines and the “overrepresentation” yet marginalization of Asian STEM college students.
- Spring 2011 **STEM Curriculum Developer and STEM Career Instructor**  
Target HOPE Program, Chicago, IL  
Co-developer of seven STEM-based curriculum and career-centric units for Target HOPE that provides Math, Literacy, College Development, History, and STEM instruction and support to underrepresented high school students in the Chicago area.
- 2011-2012 **Mathematics Education Consultant**, Young Peoples Project (YPP)  
Chicago, IL  
Program evaluator for YPP to measure the program’s success and to provide documentation for securing additional funding. Worked with a team of mathematics education researchers from the University of Illinois at Chicago for developing YPP’s curriculum content to incorporate more culturally relevant and community-focused mathematics instruction and lessons.
- 2009-2010 **Postdoctoral Researcher**, Human Comparative Development Department  
University of Chicago, Chicago, IL  
Principal Investigator for a study investigating identity formation among high-achieving African American high school students to determine factors that contribute to their resilience or success in mathematics and science.

- Fall 2010      **Adjunct Faculty Lecturer**  
University of Illinois at Chicago (UIC), Chicago, IL  
Mathematics for Elementary Education Majors
- 2009-2010      **Adjunct Faculty**, American College of Education.  
University of Illinois at Chicago (UIC), Chicago, IL  
Instructing graduate on-line courses in Learning with Technology, Informed Research, Student Motivation and Engagement, and Classroom Management.
- Spring 2009      **Mathematics Education Adjunct Faculty**, Mathematics Methods  
University of Illinois at Chicago (UIC), Chicago, IL  
Co-taught a masters-level course on teaching and learning elementary mathematics.
- Summer 2008      **Research Assistant**, Women in Science and Engineering  
University of Illinois at Chicago (UIC), Chicago, IL
- Fall 2008      **Teaching Assistant**, Introduction to African American Studies  
University of Illinois at Chicago (UIC), Chicago, IL
- 2006-2007      **Mathematics Lecturer**, Mathematics Methods K-8  
Chicago State University, Mathematics Department, Chicago, IL
- 2005-2006      **Mathematics Specialist**, African American Academic Network  
University of Illinois at Chicago, Chicago, IL
- 2005-2006      **Graduate Assistant**, Chancellors Committee on the Status of Blacks  
University of Illinois at Chicago, Chicago, IL
- 2004-2005      **Mathematics Lecturer**, Harold Washington College, City Colleges of Chicago, Chicago, IL
- 2003-2005      **Mathematics Lecturer**, Kennedy-King College, City Colleges of Chicago, Chicago, IL
- Fall 2003      **Educational Psychology Lecturer**, University of Illinois at Chicago (UIC), Department of Educational Psychology, Chicago, IL

#### **INDUSTRY APPOINTMENTS**

- 1997-2002      **Competitive Intelligence Engineering Analyst**, Hewlett-Packard & Agilent Technologies– Test & Measurement Division, Rockaway, NJ

#### **FUNDED RESEARCH**

**Title: Diversity Stalled: Explorations into the Stagnant Numbers of African American Engineering Faculty**

Sponsor: National Science Foundation, Engineering Education and Centers Division  
Amount: \$299,953                      Period of Performance: 03/01/2014 – 02/28/2017  
Lead PI: E. O. McGee  
Co-PI: W. H. Robinson

**Title: BPE-OT: Beyond the Basics: Race and Gender Conscious Mentoring for Black Faculty Candidates in Engineering**

Sponsor: National Science Foundation, Engineering Education and Centers Division  
Amount: \$340,663                      Period of Performance: 09/01/2014 – 08/31/2016  
Lead PI: E. O. McGee  
Co-PI: W. H. Robinson

**Title: From Stereotype Threat to Stereotype Management: Successful Blacks and Latinos in STEM**

Sponsor: National Science Foundation, Postdoctoral Fellowship  
Amount: \$120,000                      Period of Performance: 01/01/2011 – 08/15/2012  
Lead PI: E. O. McGee  
Co-Lead PI: W. Robinson

**Title: Investigating Identity and Resilience in Mathematically High-Achieving African American Youth**

Sponsor: Spencer Foundation/National Academy of Education, Postdoctoral Fellowship  
Amount: \$55,000                      Period of Performance: 09/01/2009 – 07/15/2010  
Lead PI: E. O. McGee  
Co-Lead PI: W. Robinson

**PUBLICATIONS**

*Invited Articles*

**McGee, E.O.** (in press). We Shall (Still?) Overcome: Black achievement and the complication of resilience. In S. Harper of the Center for the Study of Race and Equity in Education (Ed). *The elusive quest for civil rights in education: Evidence-based perspectives from leading scholars on the 50th anniversary of the Civil Rights Act*. Philadelphia: University of Pennsylvania.

*Refereed Articles*

**McGee, E.O.** & Kazembe, L. (in press). Entertainers or education researchers?: Challenges associated with presenting while Black. *Race, Ethnicity, and Education*.

**McGee, E.O.** (in press). Robust and fragile mathematics identities: A framework for exploring racialized experiences and high achievement among Black college students. To be published in the *Journal of Research in Mathematics Education*.

**McGee, E.O.**, & Pearman, F.A. (2015). Understanding Black male mathematics high achievers from the inside out: Internal risk and protective factors in high school. To be published in the *Urban Review*. Online version

- [http://link.springer.com/article/10.1007/s11256-014-0317-2?sa\\_campaign=email/event/articleAuthor/onlineFirst](http://link.springer.com/article/10.1007/s11256-014-0317-2?sa_campaign=email/event/articleAuthor/onlineFirst)
- Madyun, N., Williams, S., **McGee, E.O.**, & Milner, H.R. (2015). On the importance of African American faculty in higher education: Implications and recommendations. *Journal of Educational Foundations*, 27(3-4), 65-84.
- McGee, E. O.** (2014). When it comes to the mathematics experiences of Black preservice teachers . . . Race Matters. *Teachers College Record*. 116(6), 1-50. Online version <http://uex.sagepub.com/content/early/recent>
- McGee, E.O.**, & Pearman, F.A. (2014). Risk and protective factors in mathematically talented Black male Students: Snapshots from K through eighth grade. *Urban Education*, 49(4), 363-394. Online Version: <http://uex.sagepub.com/content/early/recent>
- McGee, E.O.**, & Hostetler, A.L. (2014). Historicizing mathematics and mathematizing Social Studies for social justice – A call for integration. *Equity & Excellence in Education*, 47(02), 208-229.
- McGee, E.O.** (2013). The trouble with preparing mathematically high-achieving Black urban high school students for STEM majors and careers. *Journal of Urban Mathematics Education*, 6(2), 20-41.
- McGee, E.O.** (2013). Threatened and placed At risk: High achieving African American males in urban high schools. *Urban Review*, 45(4), 448-471.
- McGee, E.O.** (2013). Young, Black, gifted, and stereotyped. *High School Journal*, 96(3), 253-263.
- Milner, H.R., Pabdon, A.J., Woodson, A., & **McGee, E.O.** (2013). Teacher education and Black male students in the United States. *Multidisciplinary Journal of Educational Research*, 3(3), 235-263.
- Terry, C.L., Sr., & **McGee, E.O.** (2012). “I’ve come too far, I’ve worked too hard!” Reinforcement of support structures among Black male mathematics students. *Journal of Mathematics Education at Teachers College*, 3(2), 73-85.
- Henfield, M.S., & **McGee, E.O.** (2012). Intentional teacher-school counselor collaboration: Utilizing culturally relevant frameworks to engage Black males. *The Interdisciplinary Journal of Teaching and Learning*, 2(1), 34-48.
- McGee, E.O.**, & Martin, D.B. (2011). “You would not believe what I have to go through to prove my intellectual value!”: Stereotype management among academically successful Black mathematics and engineering students. *American Education Research Journal*, 48(6), 1347-1389.
- McGee, E.O.**, & Martin, D.B. (2011). From the hood to being hooded: Case study of a Black male PhD. *Journal of African American Males in Education*, 2(1), 46-65.

**McGee, E.O.** (2005). *Chronicles of success: Black students achieving in mathematics, science and engineering*, 2005 Success Summit of the African American Success Foundation, Fort Lauderdale, FL. Published online: <http://www.blacksuccessfoundation.org/> (peer reviewed and accepted for publication via national competition)

### *Articles In Revision*

**McGee, E.O.**, & Stovall D.O. (revise and resubmit). The mental health of Black college students: A call for critical race theorists to integrate mental health into the analysis. *Educational Theory*.

### *Conference Publications*

**McGee, E. O.**, Robinson, W. H., Bentley, L. C. & Houston, S. L. (2015). *Diversity stalled: Explorations into the stagnant numbers of African American engineering faculty*. Published paper in the American Society for Engineering Education for the Annual Conference and Exposition proceedings, Seattle, WA.

### *Book Chapters*

Milner, H. R., Allen, Q., & **McGee, E. O.** (2014). A framework for thinking and talking about race with teachers. In F. Bonnor's (Ed.), *Frameworks and models of black male success: A guide for p-12 and postsecondary educators* (pp. 25-42). Sterling, VA: Stylus Publishing.

**McGee, E.O.**, & Spencer, M.B. (2014). The development of coping skills for science, technology, engineering, and mathematics students: Transitioning from minority to majority environments. In C.C. Yeakey, V.L. Sanders, & A. Wells (Eds.), *Urban marginality: Youth, cities and neighborhoods in transition* (pp. 351-378). Lanham, MD: Lexington Books.

**McGee, E.O.** (2013). Growing up Black and brilliant: *Counterstorytelling* of two mathematically high achieving college students. In J. Leonard & D.B. Martin (Eds.), *Beyond the numbers: Shaping policy discourse vis-à-vis the brilliance of Black children in mathematics* (pp. 247-272). Charlotte, NC: Information Age Publishing.

**McGee, E.O.** (2012). 'What Does Race Have to Do with Math?' Relationships between racial-mathematical socialization, mathematical identity, and racial identity. Commentary on English-Clarke, Slaughter-Defoe, and Martin. In Slaughter-Defoe D.T. (Ed.): *Racial stereotyping and child development*. Contributions to Human Development, Vol. 25 (pp. 87-89). Basel, Switzerland: Karger.

**McGee, E.O.**, & Spencer, M.B. (2012). Theoretical analysis of resilience and identity: An African American engineer's life story. In E. Dixon-Román & E.W. Gordon (Eds.), *Thinking comprehensively about education: Spaces of educative possibility and their implications for public policy* (pp. 161-178). New York, NY: Routledge.

Spencer, M.B., Dupree, D., Tinsley, B., **McGee, E.O.**, Hall, J., Fegley, S.G., & Elmore, T. G. (2012). Resistance and resiliency in a color-conscious society: Implications for learning and teaching. In K.R. Harris, S. Graham, T. Urdan (Editors-in-Chief), C.B.

McCormick, G.M. Sinatra, & J. Sweller (Associate Editors), *APA educational psychology handbook: Vol. 1. Theories, constructs, and critical issues* (pp. 461-494). Washington, DC: American Psychological Association.

Martin, D.B., & **McGee, E.O.** (2009). Mathematics literacy for liberation: Knowledge construction in African American context. In B. Greer, S. Mukhophadhay, S. Nelson-Barber, & A. Powell (Eds.), *Culturally responsive mathematics education* (pp. 146-158). Mahwah, NJ: Lawrence Erlbaum Associates.

### *Articles Under Review*

**McGee, E.O.** (under review). How High-achieving Black and Latino College STEM Students Manage Racial Stereotypes.

**McGee, E.O.** (under review). Dying to succeed: Exploring John Henryism and the Mental/Physical Health of African Americans in STEM.

**McGee, E.O.,** & Milner, H.R. (under review). Colorism as a salient principle of race in the preparation of teachers.

**McGee, E.O.,** & Spencer, M.B. (under review). Black parents as advocates, influencers, and teachers of mathematics.

### *Articles in Progress*

**McGee, E.O.,** Robinson, W., Houston, S., Bentley, L., & Botchway, P. K. (in progress).  
**McGee, E.O.,** Robinson, W., Houston, S., Bentley, L., & Botchway, P. K. (in progress). *It's not just in your head: Imposter Syndrome impacting the Career Aspirations Black Doctoral Engineering Students.*

**McGee, E.O.,** Robinson, W., Bentley, L., Houston, S., & Botchway, P. K. (in progress).  
 Thinking Twice About being a Black Engineering Professor: Race, gender, and the cooling effect.

**McGee, E.O.,** & Bentley, L. (in progress). STEM high achievers that care: Black and Latin@ college students reengineering their careers toward justice.

Robinson, W. H., **McGee, E. O.,** Houston, S., Bentley, L., & Botchway, P. K. (in progress).  
 Where are the Black Engineering Professors in the U.S.?: An institutional and geographical analysis.

Robinson, W. H., **McGee, E. O.,** Houston, S., Bentley, L., & Botchway, P. K. (in progress).  
 2014-2105 Job announcements for engineering faculty positions: The Presence and Absence of Inclusion.

### **EVALUATION REPORTS**

Gholson, M., McGee, E. O., Washington, D., & Martin, D.B. (2011). Looking forward and back: Year 0 evaluation report of Young People's Project Algebra Labs Program.

### AWARDS AND HONORS

- 2015 American Educational Research Association's Scholars of Color Early Career Contribution Award, Chicago, IL
- 2014 UIC College of Education Distinguished Alumni Award, Chicago, IL
- 2014 "42 under 40" Distinguished Alumni, Jackie Robinson Foundation, New York, NY
- 2011 2011 Summer Addiction Research Training Institute. African American Researchers and Scholars Workgroup of the National Institute on Drug Abuse, Morehouse College, Atlanta, GA
- 2011 Facing History's Race and Membership Summer Fellow, Chicago, IL
- 2010 American Educational Research Association Division G – The Social Context of Education-2010 Outstanding Dissertation Award
- 2010 2010 Spencer Exemplary Dissertation Awards Finalist
- 2009 Fellow, Emerging Scholars Interdisciplinary Network Summer Program in Applied Multi-Ethnic Research at ICPSR, University of Michigan
- 2009 AERA and the Hechinger Institute on Education and the Media Course Award Recipient, San Diego, California
- 2006 American Educational Research Association Minority Fellow Finalist (unable to accept)
- 2006 American Psychological Association Doctoral Research Seminar Fellow
- 2005 Exemplary Graduate Mentor Award for Undergraduate Research and Leadership Activities, Institute for Research on Race and Public Policy, University of Illinois at Chicago
- 1997/98 Graduate Representative of the Year, Graduate College, New Jersey Institute of Technology, Newark, New Jersey
- 1996 Ralph Ward Achievement Award for highest graduating GPA of nationwide graduating Jackie Robinson Scholarship recipients, New York

### PRE-DOCTORAL FELLOWSHIPS AND SCHOLARSHIPS

- 2007-2008 Abraham Lincoln Fellowship, University of Illinois at Chicago (\$25,000 + tuition for 1 year)
- 2007-2008 Jackie Robinson Foundation "Extra Innings" Graduate Fellowship (\$10,000)
- 2006-2007 Spencer Dissertation for Research Related to Education Fellow (\$25,000)
- 2006-2007 Association for the Study of Higher Education/Lumina Foundation, Dissertation Fellow (\$14,000)
- 2005-2006 Dr. Martin Luther King Scholarship, Graduate College, UIC (\$5,000)
- 2004/05 Lydia Donaldson Tutt-Jones Memorial Research Grant for Dissertation Pilot Study, African American Success Foundation, Ft. Lauderdale, Florida (\$5,000)
- 2003-2006 Diversifying Faculty in Illinois Fellowship (\$21,000 + tuition for 2 years)
- 1996-1998 Fellowships for Graduate Minorities in Engineering and Science (GEM:



- 1991-1996      \$8,000 + tuition for 2 years)  
1991-1996      Jackie Robinson Foundation National Scholarship funded by General Electric (\$24,000)  
1991 -1996      General Motors Scholarship (\$10,000)  
1991-1993      Roothbert Fund National Fellowship (\$4,000)  
1991-1992      Alpha Kappa Alpha National Scholarship (\$1,000)

## **HIGHER EDUCATION TEACHING EXPERIENCE**

### **Peabody College of Education, Vanderbilt University**

- EDUC 3080: Diversity and Equity in Education (Graduate SPR2015)  
EDUC 3900: Race, Identity, and Agency in Education (Graduate SPR 2014, *Developed Course*)  
EDUC 3640: Learning, Diversity, and Urban Studies Seminar II (Graduate SPR 2013)  
EDUC 2060/3060: Cultural Diversity in American Education (Graduate and Undergraduate SPR2013)  
EDUC 2920: Social and Philosophical Aspects of Education (Undergraduate F2013, SPR2015)

### **University of Illinois at Chicago**

#### ***Undergraduate:***

- ED 194: Special Topics in Education: Mathematics for Elementary Teaching (*Co-Developed Course*, SPR2008)  
EPSY 392: Introduction to Educational Psychology (F2003)  
MATH 100: Solidifying the Foundation for Success in College Mathematics (F2008)  
MATH 140: Mathematics for Elementary Education (F2006)  
MATH 141: Mathematics for Elementary Education – Geometry (SPR2006)

#### ***Graduate:***

- C&I 507: Teaching and Learning Elementary Mathematics (*Co-Developed Course*, SPR2009)

### **Chicago State University (Undergraduate Courses)**

- MATH 095: Basic Algebra (SPR2007)  
MATH 140: Concepts of Mathematics for Elementary School Teachers I (SPR2007)  
MATH 141: Concepts of Mathematics for Elementary School Teachers II (F2008)

### **City Colleges of Chicago (Undergraduate Courses)**

- MATH 110: Elements of Algebra (SPR2006)  
MATH 090: Pre-credit Mathematics Level 1 (F2005, SPR2006)  
MATH 099: Intermediate Algebra with Geometry (F2005)  
MATH 140: College Algebra (F2003, SPR2004, F2005)

### **American College of Education - All Graduate Level Online Courses, (YRS2007-09)**

- CI 533: Student Engagement: Setting Expectations and Motivating Students for Learning  
ED 503: CI Classroom Management: Creating Safe and Supportive Learning Environments  
ED512: Diverse Learners: Developing Classroom to Support Learning of All Students  
ED515: Informed Research: Systematically Identifying, Using, and Communicating Data to Improve Schools  
EL 570: School Improvement: Facilitating Change and School Transformation

ET 503: Learning with Technology

## STUDENTS ADVISED

Lydia C. Bentley, Vanderbilt University (Advisor, 2014 to Present)  
 F. Alvin Pearman, Vanderbilt University (co-Advisor 2013 to Present)  
 Portia K. Botchway, Vanderbilt University (co-Advisor 2014 to Present)

## PRESENTATIONS

### *Invited Presentations*

- McGee, E.O. (March 2015). Developing a Love (or Strong Affinity) for STEM: Best Practices from Successful African American STEM Students. Presenter and speaker for the Center for Urban Education Visitor Scholar Conference: “Educating African American Students.” University of Pittsburgh, Pittsburgh, PA.
- McGee, E.O. (March 2015). How to achieve undergraduate STEM matriculation while Black. Presenter and speaker for the 42<sup>nd</sup> Anniversary Jackie Robinson Foundation Mentoring and Leadership Conference. New York, NY.
- McGee, E.O. (November 2014). *Physical science, physical trauma: African American STEM college students struggling with their health*. Presenter and speaker for the National Society of Black Physicists Symposium, Washington, D.C.
- McGee, E.O., & Stovall, D.O. (September 2014). *Dying to succeed: Achievement, struggle and radical healing for students of color in STEM*. Keynote speaker for the Louis Stokes Alliances for Minority Participation (LSAMP) Conference. Nebraska Wesleyan University, Omaha, NE.
- McGee, E.O. (August 2014). *Infusing African American Studies curriculum in STEM: A focus on the intersectionality youth and Black culture*. Keynote speaker for the Chicago Public Schools, African and African American Studies curriculum professional development. DuSable Museum of African American History, Chicago, IL.
- McGee, E.O. (February 2014). *STEMming the dream. High-achieving marginalized STEM talent: Young, gifted, robust yet fragile*. Keynote speaker as a Visiting Scholar at the Graduate School of Education, University of Pennsylvania, Philadelphia, PA.
- McGee, E.O. (October 2013). *They all wanted to be Astronauts: Black and Latino Aerospace engineers discuss their uncertain futures*. Paper presenter and speaker at an invited conference at the Race in Space to explore issues of race culture, and nationality in space, Duke University, Raleigh, NC.
- McGee, E.O. (June 2013). *Fragile and robust identity trajectories in mathematically talented Black male students: Snapshots from K through 8<sup>th</sup> Grade*. Paper presenter and speaker at an Invited symposium sponsored by National Science Foundation focusing on gender identity and its influence on interest, engagement, and achievement of males of color in science and mathematics, Warrenton, VA.

McGee, E.O. (April 2013). *Fragile and robust identity development in mathematically talented Black high school males*. Paper presenter and speaker: Curriculum, cognition, to cultural relevance: Bridges over troubled waters. National Council of Teaching Mathematics Benjamin Banneker Presidential Session, Denver, CO.

McGee, E.O. (March 2013). *Exploring three levels of gender bias in science, technology, engineering, and mathematics education*. Paper presenter and speaker for Central State University's Sonia Kovalevsky Day. Association for Women in Mathematics, Wilberforce, OH.

McGee, E.O. (November 2012). *Taking affirmative actions: How underrepresented students manage stereotypes and policy-related threats to their identities*. Paper presenter and speaker for the Presidential Session for the Association for the Study of Higher Education: *Freedom to Learn*, Las Vegas, NV.

McGee, E.O. (April 2012). *Expanding cross-disciplinary dialogue in the postdoctoral community*. National Science Foundation and the National Postdoctoral Association, Washington, DC.

McGee, E.O. (February, 2010). *Chitown counterstories: Black teens achieving in mathematics*. Presentation and paper at the Responsive Teaching Agile Mind User Conference, Chicago Public Schools, Chicago, IL.

McGee, E.O. (October 2008). *Say it loud: I'm successful, Black and proud!* Keynote Speaker at the Success Summit, African American Success Foundation, Fort Lauderdale, Florida.

McGee, E.O. (October 2009). *Ain't I a scientist?: Reflections on being a Black woman in STEM*. CEOSE Mini-symposium on women of color in STEM: Perspectives on experiences, research, evaluation, and policy in higher education and careers, Arlington, VA.

McGee, E.O. (February 2007). *The Black relationship GAP*. Panel discussion, speaker for Chicago Tonight, WTTW's Channel 11 Public Television Station, Chicago, IL.

McGee, E.O. (February 2007). *I am technology: The state of Blacks in higher education*. Panel speaker at the Illinois Institute of Technology, Chicago, IL.

### **Peer Reviewed National Conference Presentations and Papers**

McGee, E.O. & Robinson, W. H., Bentley, L., & Houston, S. (forthcoming, June 2015). *Diversity Stalled: Explorations into the Stagnant Numbers of African American Engineering Faculty*. 2015 ASEE Annual Conference and Exposition, Seattle, WA.

McGee, E.O. & Bentley, L. (forthcoming, April 2015). *STEM High Achievers that Care: Black and Latino College Students Reengineering their Careers Toward Justice*. Presentation and paper at the American Education Research Association Annual Conference: Toward Justice: Culture, Language, and Heritage in Education Research and Praxis, Chicago, IL.

- McGee, E.O. & Stovall, D. O. (forthcoming, April 2015). Reimagining Critical Race Theory in Education: Mental Health, Healing, and the Pathway to Liberatory Praxis. Presentation and paper to be presented at the American Education Research Association Annual Conference: Toward Justice: Culture, Language, and Heritage in Education Research and Praxis, Chicago. IL.
- Jones, S. McGee, E.O., Allen, A., & Brooke, C. (forthcoming, April 2015). *Diversifying Engineering: Insights and Lessons from Students, Faculty and Staff*. Presentation and paper to be presented at the American Education Research Association Annual Conference: Toward Justice: Culture, Language, and Heritage in Education Research and Praxis, Chicago. IL.
- McGee, E.O. (March 2015). *Black and successful in STEM but stressed and stressed out*. Presenter and speaker for the National Council for Black Studies Annual Conference: The Foundation and Future of Black Studies: Reaffirming Our Emancipatory Mission & Values, Los Angeles, CA.
- Leonard, J., Walker, E., Spencer, J., McGee, E.O., & Bullock, E. (November 2014). *Er'body talkin' 'bout diversity: Black women faculty's perspectives on their experiences in the academy*. Presentation and paper presented at the International Conference on Urban Education: Building and Sustaining Global Partnerships for Learning and Development, Montego Bay, Jamaica.
- McGee, E.O. & Stovall D.O. (May 2014). *Reimagining Critical Race Theory in Education: Mental Health, Healing, and the Pathway to Liberatory Praxis*. Presentation and paper presented at Critical Race Studies In Education Association 8<sup>th</sup> Annual Conference: Race, Education, and Public Policy: Transdisciplinary Activism in Critical Race Studies, Nashville, TN.
- McGee, E.O. (April 2014). *Risk and Protective Trajectories in Mathematically Talented Black Male Students: Snapshots from 9th-12th Grades*. Presentation and paper presented at American Education Research Association Annual Conference: The Power of Education Research for Innovation in Practice and Policy, Philadelphia, PA.
- McGee, E.O. (April 2014). *Motivated to Succeed via the Fear of Failure Among High-Achieving Urban African American Students*. Presentation and paper presented at American Education Research Association Annual Conference: The Power of Education Research for Innovation in Practice and Policy, Philadelphia, PA.
- McGee, E.O. (April 2014). *Placed at-risk: High-achieving Black high school males' fragile college trajectories*. Presentation and paper presented at American Education Research Association Annual Conference: The Power of Education Research for Innovation in Practice and Policy, Philadelphia, PA.
- McGee, E.O. (October 2013). *Critical Race Theory's inattention to mental health and wellness problems impacting African American students – A Call for Action*. Paper presenter and speaker at the 7th Biennial Conference of the Association for the Study of the Worldwide African Diaspora with the theme of Confronting Change and Creating Opportunity in Africa and the African Diaspora. Santo Domingo, Dominican Republic.

- McGee, E.O. (April 2013). *How Underrepresented High-achieving STEM college Students Manage Stereotypes and Policy-Related Threats to Their Identities*. Paper presenter and speaker for the Urban Education Institute. Addressing the 21st Century Imperative: Improving STEM Success in Communities of Color. Greensboro, NC.
- McGee, E.O. (April 2012). *When it comes to the mathematics experiences of Black preservice teachers . . . race matters*. Presentation and paper presented at American Education Research Association Annual Conference: Non Satis Scire: To Know Is Not Enough. Vancouver, British Columbia, Canada.
- McGee, E. O. (April 2012). *High-achieving Black STEM students reaching for resilience*. Investigations by female mathematics education scholars from STEM backgrounds. Presentation and paper presented at American Education Research Association Annual Conference: Non Satis Scire: To Know Is Not Enough, Vancouver, British Columbia, Canada.
- McGee, R., Keller, J., Campbell, P., Remich, R., LaBlance, S., McGee, E., & Gazley, L. (May 2011). *Career decision-making of young PhD scientists: A longitudinal, interview-based qualitative research study across gender and ethnicity*. Poster and presentation at 1<sup>st</sup> International Conference on Faculty Development in the Health Professions, Toronto, Canada.
- McGee, E.O., & Martin, D.B. (April 2011). *Stereotype management among successful Black college mathematics and engineering students*. Presentation and paper presented at the National Council for Teachers in Mathematics Annual Meeting & Expo: Geometry Constructing and Transforming Perspectives, Indianapolis, Indiana
- McGee, E.O., & Martin, D.B. (April 2011). *Stereotype management among successful Black college mathematics and engineering students*. Presentation and paper presented at American Education Research Association Annual Conference: Inciting the Social Imagination: Education Research for the Public Good, New Orleans, Louisiana.
- McGee, E.O., & Tyler, A. (April 2011). *Mathematically high achieving African American youth: Looking outside in*. Presentation and paper presented at the American Education Research Association Annual Conference: Inciting the Social Imagination: Education Research for the Public Good, New Orleans, Louisiana.
- McGee, E.O. (November 2010). *Black teens succeeding in mathematics: An investigation into identity*. Presentation and paper presented at The National Academy of Education Annual Meeting & Fellows Retreat, Washington, D.C.
- Lee, S., Keller, K., LaBlance, S., Remich, R. Huaman, E., McGee, E., Keller, J. Campbell, P., & McGee, R. (June, 2010). *A theory-driven professional development approach that helps bioscience graduate students from diverse backgrounds and underrepresented groups become accepted members of research communities*. MORE 2010 "How To" Conference, Chicago, IL.
- McGee, E.O. (April 2010). *Investigating identity and resilience in mathematically high-achieving African American youth*. Poster and paper presented at American Education Research Association

Annual Conference: Understanding Complex Ecologies in a Changing World, Denver, Colorado.

- McGee, E.O. (February, 2010). *Investigating identity and resilience in mathematically high-achieving African American teens*. Presentation and paper presented at The National Academy of Education Fellows Retreat, Washington, D.C.
- McGee, E.O. (July 2009). *Operationalizing resilience in high-achieving Black College students*. Presentation and paper presented at the Emerging Scholars Interdisciplinary Network Summer Program in Applied Multi-Ethnic Research at ICPSR, University of Michigan, Ann Arbor, MI.
- McGee, E.O. (April 2009). *Moving beyond the “gap-gazing” fetish: Exploring mathematics earning and participation as racialized forms of experience*. Paper presented at the American Education Research Association Annual Conference: Disciplined Inquiry: Education Research in the Circle of Knowledge, San Diego, CA.
- McGee, E.O. (April 2009). *Meaning-making, human development and resilience: A new direction in mathematics education*. Paper presented at 2009 National Council of Teachers of Mathematics Annual Meeting & Exposition: Equity: All Means ALL, Washington, DC.
- McGee, E.O. (November 2008). *And Still I Rise: Successful African American mathematics and engineering college students*. Paper presented at the Benjamin Banneker Association’s 2008 Conference on the Mathematics Teaching, Learning, and Research of African American Students, Little Rock, AK.
- McGee, E.O. (May 2008). *Race, identity, and resilience: Black college students negotiating success in mathematics and engineering: Preliminary results*. Paper presented at 2<sup>nd</sup> Annual Critical Race Studies in Education Conference: Towards a Critical Race Praxis in Education and Social Life, Chicago, IL.
- McGee, E.O. (March 2008). *Interrogating stereotypes, institutional racism, and racialized experiences in mathematics education*. Paper presented at the 2008 American Educational Research Association Annual Conference, Chicago, IL.
- McGee, E.O. (March 2008). *Writing the mathematics classroom: Using African American college students’ written words to understand their mathematical experiences*. Paper presented at the 2008 Race in the Writing Center: Towards New Theory and Praxis Annual Conference, Chicago, IL.
- McGee, E.O. (April 2007). *Racialized mathematical experiences of Black college students*. Paper presented at the 2007 African American and Latino Dialogue and Research Forum: Building a Community of Scholars, Chicago, IL.
- McGee, E.O. (April 2007). *When it comes to the mathematical experiences of Black preservice teachers...race matters*. Paper presented at the 2007 American Educational Research Association, Chicago, IL.

- McGee, E. (January 2007). *Mathematics education and the Black student: Exploring critical theories of race*. Paper presented at the 2007 4th International Conference on Teacher Education and Social Justice, Chicago, IL.
- McGee, E. (2006). *Black academic success in college*. Paper presented at the 2006 Eyes on the Mosaic Conference: Race-ing the Academy Conference, University of Illinois, Chicago, IL.
- McGee, E. (2006). *Exploring critical theories of race in mathematics education*. Paper presented at the annual meeting of the National Council of Teachers of Mathematics, St. Louis, MO.
- McGee, E. (2006). *Mathematically talented African American college students-counter-narratives of success*. Paper presented at the 1<sup>st</sup> Annual Education and the Public Good: Interdisciplinary Trends in Graduate Scholarship conference, Chicago, IL.
- McGee, E. (2005). *Does mathematics success = equity for high achieving African American students?* Paper presented at the Mathematics Colloquium on Diversity, Departments of Mathematics and Computer Science at Chicago State University, Chicago, IL.
- McGee, E. (2005). *Social identities of African American college students in the context of mathematical achievement*. Paper presented at The Ninth Annual Graduate and Professional Research Conference at Northwestern University: Many Minds, Many Voices, Shaping One Legacy, Evanston, IL.
- McGee, E. (2005). *Afrocentric identity as a precursor to understanding the mathematical success in African American college students*. Paper presented at the annual meeting of American Educational Research Association Annual Meeting, Montreal, Canada.
- McGee, E. (2005). *W. E. B. DuBois' Double Consciousness revisited in the context of mathematical achievement*. Paper presented at The 7<sup>th</sup> Annual Chicago Ethnography Conference: "Broadening the Scope of Ethnography," Chicago, IL.
- McGee, E. (2004). *The problem of African American education in the 21<sup>st</sup> century*. Paper presented at the 27<sup>th</sup> Annual Olive-Harvey College Black Studies Conference, Chicago, IL.

## CREATIVE PRODUCTIONS

Digital storytelling: A host of theme-specific video clips from a study that describes the troubling and inspiring experiences of high-achieving Asian, Black, and Latino STEM college students. These video mini-documentaries culminated from a three-year research study to investigate the experiences and academic and career decisions of 61 STEM Black, Latino, and Asian advanced undergraduate STEM college students, who are high achievers in STEM.

<https://my.vanderbilt.edu/ebonymcgee/>

**SERVICE****PROFESSIONAL SERVICE**

2014-Present Advisory Board for Helmsley Charitable Trust STEM and HBCU Project,  
Penn Center for Minority Serving Institutions

**Editorial Board**

2012-Present Editorial Review Board, *SAGE Open*

2012-Present Editorial Review Board, *Urban Education*

**Reviewer**

2014 *Advances in Engineering Education*

2014 *Journal of Engineering Education*

2014 *Journal of Women and Minorities in Science and Engineering*

2014 *DuBois Reviewer*

2014 National Science Foundation (panel reviewer)

2013 *American Educational Research Journal*

2013 *Journal of Research on Adolescence*

2013 *Youth & Society*

2013 *Interdisciplinary Journal of Teaching and Learning*

2012 *Education Research International*

2012 *Journal of Negro Education*

2012 *Cognition and Instruction*

2011 AERA 2012 Annual Meeting Reviewer, Division G

2011 *The Sociological Quarterly*

2010 *Urban Education*

2010 *Journal for Research in Mathematics Education*

2009 *Journal of Research on Adolescence*

2009 National Council for Teachers of Mathematics Annual Conference

2008 Annual Association for the Study of Higher Education Annual Conference

2007 Discussant, American Educational Research Association, Chicago, Illinois

2005 *Equity & Excellence in Education*

**COMMUNITY SERVICE**

2007-2010 The MathTech Project, Co-Founder and CEO, Chicago, Illinois

2003-2013 The Relationship G.A.P. (Growing As People), Founder, Chicago, IL.

2000-2012 Nominated Committee Member for Midwest Scholarship Selection for the  
National Jackie Robinson Foundation Scholarship, New York, NY

2014-Present Nominated Committee Member for Southern Regional Scholarship Selection  
for the National Jackie Robinson Foundation Scholarship, New York, NY

1996-Present Delta Sigma Theta Sorority Incorporated

2006-Present Board Member, Athletes Committed to Education. Chicago, Illinois

**PROFESSIONAL MEMBERSHIPS**

American Educational Research Association

Division G: Social Context of Education



National Council of Teachers of Mathematics  
Benjamin Banneker Association  
Teachers for Social Justice  
Jackie Robinson Foundation Alumni  
Society for the Psychological Study of Social Issues  
Chicago Alumni Chapter of North Carolina A&T State University  
Omicron Delta Kappa, National Leadership Honor Society  
Alpha Epsilon Lambda, Graduate Academic Excellence and Leadership Honor Society  
National Association of Professional Women

***UNIVERSITY SERVICE***

**Vanderbilt University**

2014 Search Committee Member for Professor in Mathematics Education  
2014 Facilitated Departmental Workshops on Diversifying Peabody College  
2012 Facilitated Urban Education Seminar with Guest Speaker Dr. Samy Alim in conjunction with Critical Race Studies in Education conference at Vanderbilt University

**University of Chicago**

2009-2012 Civil Rights Group, University of Chicago

**University of Illinois at Chicago**

2007-2009 The Dissertation Associates Working Group of the Institute for Research on Race and Public Policy  
2005-2007 Founding Member, Alliance for Latino and Black Graduate Students  
2005 Graduate Assistant, Chancellors Committee of the Status of Blacks

**New Jersey Institute of Technology**

1997 Omicron Delta Kappa, National Leadership Honor Society  
1997 Alpha Epsilon Lambda, Graduate Academic Excellence and Leadership Honor Society

**North Carolina Agricultural and Technical State University**

1994 Tau Beta Pi, National Engineering Honor Society  
1993 Society of Women Engineers