**AYESHA S. BOYCE[[1]](#footnote-1), PH.D.**

*Updated July 2018*

University of North Carolina at Greensboro

Department of Educational Research Methodology

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Greensboro, NC 27412

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# EDUCATION

December 2014 **Ph.D. Educational Psychology – Evaluation Specialization**

University of Illinois at Urbana-Champaign

Dissertation: [*Using a Values-Engaged Educative Evaluation Approach to Address Issues of Diversity and Equity in a Multi-Site Science Technology Engineering and Mathematics Program Evaluation*](http://hdl.handle.net/2142/72872)

August 2009 **M.A. Research Psychology**

California State University, Long Beach

Thesis: [*It’s Written All Over Your Face: The Impact of Afrocentric Facial Features, Gender, Race, and Explicit Attitudes on Implicit Preferences*](http://coast.library.csulb.edu/record=b2572413~S7)

May 2005 **B.S. Psychology**

Arizona State University

# ACADEMIC AND PROFESSIONAL APPOINTMENTS

Fall 2015 – present **Senior Fellow**

University of North Carolina at Greensboro

Office of Assessment, Evaluation, and Research Services

Fall 2015 – present **Assistant Professor**

University of North Carolina at Greensboro

Department of Educational Research Methodology

Fall 2014 – Summer 2015 **Post-Doctoral Research Associate**

University of Illinois at Urbana-Champaign

Illinois STEM Education Initiative

Fall 2009 – Summer 2014 **Graduate Research Assistant**

University of Illinois at Urbana-Champaign

Illinois STEM Education Initiative

Fall 2009 – Spring 2011 **Graduate Research Assistant**

University of Illinois at Urbana-Champaign

Department of Educational Psychology

Summer 2007 – Summer 2009 **Education Research Associate**

Arizona Department of Education

Accountability Division – Research and Evaluation Section

# RESEARCH AND EVALUATION EXPERIENCE – SELECTED PROJECTS

*Over 45 research and evaluation projects conducted. Only those where Boyce is research or evaluation lead, or co-lead are shown.*

### National Science Foundation

#### Research and Evaluation Collaborations

Spring 2017 – Present S-STEM: UNCG Science Technology & Math Prep **(Co-PI)**

Fall 2016 – Present NCCU HBCU– Undergraduate Program TIP **(Co-PI)**

Spring 2018 – Summer 2018 VSU HBCU– Undergraduate Program

Summer 2016 – Present NCA&T IUSE

Fall 2009 – Spring 2011 Values-Engaged, Educative Evaluation Approach Research

Network for Computational Nanotechnology (NCN) Cyber Platform

Fall 2017 – Present Hierarchical nanoMFG NODE

Fall 2014 – Summer 2015 NanoBIO NODE

#### NSF Centers

Spring 2017 – Present Center for Cellular and Biomolecular Machines (CREST)

Spring 2014 – Summer 2015 Center for Brains, Minds, and Machines (STC)

Spring 2013 – Summer 2015 Sustainable Nanotechnology Center (CCI)

Summer 2011 – Summer 2015 Emergent Behaviors of Integrated Cellular Systems Center (STC)

#### Integrative Graduate Education and Research Traineeships (IGERTs)

Spring 2013 – Summer 2015 Vertically Integrated Training with Genomics

Spring 2012 – Fall 2013 NeuroEngineering

Summer 2011 – Summer 2015 Cellular and Molecular Mechanics and BioNanotechnology

#### Research Experiences for Undergraduates (REUs)

Summer 2017 – Present CREST Center for Cellular and Biomolecular Machines

Summer 2015 University of Illinois BioImaging

Summer 2014 – Summer 2015 Center for Brains, Minds, and Machines

Summer 2014 – Summer 2015 Nano@Illinois

Summer 2013 – Summer 2015 Sustainable Nanotechnology Center for Chemical Innovation

Summer 2012 BEACON Science Technology Center

Summer 2011 – Summer 2015 University of Illinois Chemistry Department

Summer 2011 – Summer 2015 Emergent Behaviors of Integrated Cellular Systems

Summer 2011 – Summer 2012 NanoCEMMS Science Technology Center

### US Department of Education

Fall 2015 – Summer 2017 Transforming Teaching Through Technology (T4) Evaluation

### National Institutes of Health

Summer 2011 – Summer 2015Midwest Cancer Nanotechnology Training Center

Spring 2010 – Spring 2011 Project NEURON

### Spencer and Teagle Foundations

Fall 2009 – Summer 2011 Evaluation of Advanced Composition at University of Illinois

### Title VI

Summer 2011 Center for African Studies African Sister Cities Initiative

Summer 2010 Center for African Studies African Institute for Educators

Fall 2009 European Union Center Summer Study Tour Evaluation

### Arizona Department of Education

Fall 2007 – Summer 2009 State Character Education

Fall 2007 – Spring 2009 READ 180 Program

Fall 2007 – Spring 2008 Voyager University / Scholastic Red Professional Development

Spring 2008 Arizona State Report Card Survey

Spring 2008 – Spring 2009 Title I: Arizona Supplemental Educational Services

Fall 2015 – Fall 2017 Alamance Citizens for a Drug Free Community Coalition

# GRADUATE TEACHING EXPERIENCE

### University of North Carolina at Greensboro

* Advanced Evaluation Theory
* Culturally Responsive Approaches to Research and Evaluation
* Educational Measurement and Evaluation
* Educational Research Methods
* Evaluation of Educational Programs

# GRANTS AND CONTRACTS

### Externally Funded

**Boyce, A. S.**(2017, September). “Hierarchical nanoMFG Node.” *National Science Foundation: Network for Computational Nanotechnology Program*, Sub-Contract from University of Illinois at Urbana-Champaign, External Evaluator, (Evaluation budget: $99,050; Total funded: $4,000,000).

Faeth, S., **Boyce, A. S.**, Patton, J., Phillips, L., & Sametz, L.(2017, February). “UNCG STAMPS.” *National Science Foundation: Science, Technology, and Math Preparation Scholarships (STAMPS),* Co-PI, ($999,943).

Taylor, D., & **Boyce, A. S.** (2016, November). “Targeted Infusion Project: Integrating soft matter into undergraduate general and physical chemistry courses.” *National Science Foundation: Historically Black Colleges and Universities - Undergraduate Program (HBCU-UP)*, Subcontract from North Carolina Central University, Co-PI, (UNCG budget: $30,928; Total funded: $245,445).

### Internally Funded

**Boyce, A. S.**, & Willse, J. (2017, March). “An evaluation of the CFNC Pathways online portal.” Evaluation Contract UNC General Administration CFNC, PI, ($3,915).

**Boyce, A. S.**(2016, March). “Development, implementation, and validation of an undergraduate STEM climate survey.” *University of North Carolina at Greensboro Research and Instruction in STEM Education (RISE) Small Grant Program*, PI, ($2,500).

Chouinard, J. A., & **Boyce, A. S.** (2015, October). “Bridging theory and practice through evaluation fieldwork: Understanding the experiences of novice evaluation practitioners.” *University of North Carolina at Greensboro New Faculty Mentor Program Mini-Grant*, Co-PI, ($1,500).

### Under Review

Wingate, L., Perk, E., Harnar, M., & **Boyce, A. S.** (submitted June 2018). “EvaluATE: Transforming ATE Evaluation.” *National Science Foundation Advanced Technological Education Program,* Sub-Contract from Western Michigan University, Co-PI, (UNCG Budget: $ $250,913; Total Budget, $5,000,000).

**Boyce, A. S.** (submitted April 2018). "Collaborative Research: Grand Challenges in Algorithms and Machine Learning for Emerging Genomics.” *National Science Foundation Expeditions in Computing Program,* Sub-Contract from the University of Illinois at Urbana-Champaign, External Evaluator, (Evaluation Budget: $103,980, Total Budget, $3,400,000).

McEwen, B., Nagdas, S., Gerald Goins, T., Lavelle, J., Miller, L., Brown, B., Woriack, V.,

Jones, E., & **Boyce, A. S.**(submitted January 2018). “Louis Stokes STEM Pathways and Research Alliance: North Carolina Louis Stokes Alliance for Minority Participation.” *National Science Foundation Louis Stokes Alliances for Minority Participation (LSAMP) Program,* Sub-Contract from North Carolina A & T, Co-PI, (UNCG budget: $135,642; Total budget: $4,000,000).

Gao, X., Wei, J., Tate, S., & Chiu, N. (submitted October 2017). “IGE: Integrating Data Analytics into Graduate STEM Education.” *National Science Foundation: Innovative Graduate Education*, **Boyce** isInternal Evaluator/Senior Personnel, ($498,321).

### Submitted, Unfunded

Key, C., Thomas Swanik, J., Rogers, H., Bradley, T., & **Boyce, A. S.**(submitted December 2017). “Engaging Undergraduates in STEM using Drosophila Behavioural Genetics (EUSTEM-DaBuGs).” *National Science Foundation: Improving Undergraduate STEM Education,* Co-PI, ($597,969).

**Boyce, A. S.**(submitted November 2017). “Computational Thinking Assessment and Training for Older Adults.” *National Science Foundation: Advancing Informal STEM Learning.* Sub-Contract from Michigan Technical University, External Evaluator/Senior Personnel, (Evaluation budget: $ $157,443).

Kalcounis-Ruppell, M., Glenn, C., Brown-Jeffy, S., **Boyce, A. S.**, & Mendez, J., (submitted September 2017). “Giant Steps: ADVANCE-ing at UNCG.” *National Science Foundation: ADVANCE-Adaptation Track*, Co-PI, ($999,067).

**Boyce, A. S.**(submitted March 2017). “Creating a BRIDGE (Bioengineering Research, Innovation and Development for Graduate Education) for successful bioengineers” *National Science Foundation: Scholarships in Science, Technology, Engineering, and Mathematics Program (S-STEM),* Sub-Contract from University of Illinois at Urbana-Champaign, External Evaluator, (Evaluation budget: $53,025).

**Boyce, A. S.**(submitted December 2016). “Engineered nanoBIO Node.” *National Science Foundation: Network for Computational Nanotechnology Program*, Sub-Contract from University of Illinois at Urbana-Champaign, External Evaluator, (Evaluation budget: $99,050).

**Boyce, A. S.**(submitted December 2016). “Deploying computer monitored problem-solving discussions for student conceptual understanding in java programming classes.” *National Science Foundation* *Improving Undergraduate STEM Education Program*, Sub-Contract from North Carolina A & T, (Evaluation budget: $12,000).

Kalcounis-Ruppell, M., Glenn, C., Brown-Jeffy, S., **Boyce, A. S.**, & Mendez, J., (Submitted April 2017). “Giant Steps: ADVANCE-ing at UNCG.” *National Science Foundation: ADVANCE-IT*, Co-PI.

**Boyce, A. S.**(2016, October). “NC LSAMP Alliance Bridge to Doctorate Program”: The NSF Louis Stokes Alliances for Minority Participation (LSAMP) Program, Sub-Contract from North Carolina A & T, External Evaluator, (Evaluation budget: $5,000).

Chouinard, J. A., & **Boyce, A. S.** (2016, March). “Situating culturally responsive approaches to evaluation: Empirical implications for theory and practice.” *University of North Carolina at Greensboro Faculty First Grant*, Co-PI, ($9,800).

**Boyce, A. S.**(2016, February). “NRT-INFEWS: Improving Catalysis by Bridging Homogeneous and Heterogeneous Approaches.” *National Science Foundation Research: Traineeship (NRT) program*, Sub-Contract from Yale University, External Evaluator, ($60,161).

**Boyce, A. S.,** & Chouinard, J. A. (2015, September). “An exploration of restorative justice principles in evaluation: Creating collaborative community practices.” *Faster Forward Fund*, Co-PI, ($6,000).

# PUBLICATIONS

*\* Denotes this publication was with UNCG graduate students.*

### Refereed Journal Articles

**Boyce, A. S.** (in press). A re-imagining of evaluation as social justice: A discussion of the Education Justice Project. *Critical Education*.

LaChenaye, J., **Boyce, A. S.,** Van Draanen, J., & Everett, K. (in press). Community, theory, and guidance: Benefits of peer-mentoring in evaluation. *Canadian Journal of Program Evaluation.*

**\***Avent, C., **Boyce, A. S.,** Servance, L., DeStefano, L., Nerem, R., & Platt, M. (2018). Initiation and implementation of a biomedical engineering research experience for African-American high school students at a tier one research university. *Journal of Biomechanical Engineering. [DOI: 10.1115/1.4040310]*

**Boyce, A. S.,** & McGowan, B. L. (2018). An exploration of two novice evaluation educators’ experiences developing and implementing introduction to evaluation courses. *American Journal of Evaluation*. *DOI 10.1177/1098214016643183.*

Chouinard, J. A. **& Boyce, A. S.** (2017). The impact of practice on pedagogy: Reflections of novice evaluation teachers. *Canadian Journal of Program Evaluation*, *32*(2), 280-287.

**Boyce, A. S.,** & Chouinard, J. A. (2017). Moving beyond the buzzword: A framework for teaching culturally responsive approaches to evaluation. *Canadian Journal of Program Evaluation*, *32*(2), 266-279.

**Boyce, A. S.** (2017). Lessons learned using a values-engaged approach to attend to culture, diversity, and equity in a STEM program evaluation. *Evaluation and Program Planning, 64,* 33–43.

\*Chouinard, J. A., **Boyce, A. S.**,Hicks, J., Jones, J., Long, J., Pitts, R., & Stockdale, M. (2017). Navigating theory and practice in evaluation fieldwork: Experiences of novice evaluation practitioners. *American Journal of Evaluation, 38*(4), 493–506.

Trenshaw, K. F., Schlude, J. W., Miletic, M., **Tillman, A. S**., Vogel, T. J., Henderson, J. A., & Seebauer, E. G. (2015). Developing an instrument to assess student outcomes from completing chemical engineering design projects. *International Journal of Engineering Education, 31*(5), 1352–1375.

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Bowen, M., & **Tillman, A. S**. (2015). Developing culturally responsive surveys: Lessons in development, implementation, and analysis from Brazil’s African descent communities. *American Journal of Evaluation*, *36*(1), 25–41.

Meyer, A., Knutson, C., Finkenstaedt-Quinn, S., Gruba, S., Meyer, B., Thompson, J., Maurer-Jones, M., Meierhofer, S., **Tillman, A**., DeStefano, & L. Haynes, C. (2014). Activities for middle school students to sleuth a chemistry “whodunit” and investigate the scientific method. *Journal of Chemical Education,* *91*, 410–413.

Trenshaw, K. F., Henderson, J. A., Miletic, M., Seebauer, E.G., **Tillman, A.,** & Vogel T. (2014). Integrating team-based design across the curriculum at a large public university. *Chemical Engineering Education, 49*(3), 139–157.

Bishop, L. M., **Tillman, A. S.**, Geiger, F. M., Haynes, C. L., Klaper, R. D., Murphy, C. J., Orr, G., Pedersen, J. A., DeStefano, L., & Hamers, R. J. (2014). Enhancing graduate student communication to general audiences through blogging. *Journal of Chemical Education, 91* (10), 1600–1605.

### Under Review in Refereed Journals

\*Avent, C., **Boyce, A. S.**, Taylor, D., & LaBennett, R. (resubmitted July 2018). Shifting the paradigm: A pilot infusion of polymers into gatekeeper chemistry courses to enhance engagement. *Journal of Chemical Education.*

**\*Boyce, A. S.,** Avent, C., Adetogun, A., Servance, L., DeStefano, L., Nerem, R., & Platt, M. (resubmitted July 2018). Lessons learned from the implementation and evaluation of a science and engineering research experience for African-American high school students. *Evaluation and Program Planning.*

### Manuscripts in Preparation

**\*Boyce, A. S.,** Reid, A., Avent, C., Adetogun, A., & Moller, J. (to be submitted August 2018). Say their names: Lived experiences of prominent and emerging black evaluators. *American Journal of Evaluation.*

\*Reid, A., Adetogun, A., Avent, C., Moller, J., & **Boyce, A. S.** (paper accepted - to be submitted August 2018). If not us, then who?: Evaluators of color, public policy, and social change. *New Directions for Evaluation--Examining Issues Facing Communities of Color Today: The Role of Evaluation to Incite Change*.

Books

Greene, J. C., **Boyce, A. S,** & Ahn, J. (2011). [*Values-engaged, educative evaluation guidebook*](https://higherlogicdownload.s3-external-1.amazonaws.com/EVAL/Values%20Engaged%20Educative%20Guidebook.pdf?AWSAccessKeyId=AKIAJH5D4I4FWRALBOUA&Expires=1492859401&Signature=JcnMSkxLjlGsH%2BTRTNk7gtObwmk%3D). University of Illinois, Urbana-Champaign. Created and produced with funds from the National Science Foundation. AEA eLibrary.

### Book Chapters

Chouinard, J. A., & **Boyce, A.S.** (2018). Creating collaborative community practices through restorative justice principles in evaluation. In R. Hopson, F. Cram & R. Millett (Eds.), *Tackling Wicked Problems in Complex Evaluation Ecologies: The Role of Evaluation* (pp 129-154)*.* Redwood City, CA: Stanford University Press.

### Blog Contributions

**Boyce, A. S.** (2018). [*Attending to culture, diversity, and equity in STEM program evaluation (Part 2)*](http://www.evalu-ate.org/blog/boyce-p2_may18/)*.* EvaluATE Blog May 9th, 2018.

**Boyce, A. S.** (2018). [*Attending to culture, diversity, and equity in STEM program evaluation (Part 1).*](http://www.evalu-ate.org/blog/boyce-p1_may18/) EvaluATE Blog May 1st, 2018.

Platt, M., & **Boyce, A. S.** (2015). [*Improving evaluator communication and PI evaluation understanding to increase evaluation use: The evaluator’s perspective.*](http://www.evalu-ate.org/blog/boyce-platt-2_dec15/) EvaluATE Blog December 16th, 2015.

**Boyce, A. S.**, & Platt, M.(2015). [*Improving evaluator communication and PI evaluation understanding to increase evaluation use: The principal investigator’s perspective.*](http://www.evalu-ate.org/blog/boyce-platt_dec15/) EvaluATE Blog December 10th, 2015.

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**Tillman, A. S.** (2014). [*Graduate student and new evaluator (GSNE) TIG mentorship program.*](http://aea365.org/blog/gsne-week-ayesha-tillman-on-graduate-student-and-new-evaluator-gsne-tig-mentorship-program/) American Evaluation Association 365 Blog July 20th, 2014.

**Tillman, A. S.** (2014). [*Advice for New Evaluators*.](http://aea365.org/blog/stem-tig-week-ayesha-tillman-on-advice-to-new-evaluators/) American Evaluation Association 365 Blog February 9th, 2014.

**Tillman, A. S.** (2012). [*Finding an entry to mid-level evaluation position within a government agency.*](http://aea365.org/blog/ayesha-tillman-on-finding-an-entry-to-mid-level-evaluation-position-within-a-government-agency/) American Evaluation Association 365 Blog August 15th, 2012.

**Boyce, A. S**., Jimenez, M. B., & Juarez, G. (2011). [*Presenting cultural and other sensitive evaluation findings through skit*.](http://aea365.org/blog/ayesha-boyce-maria-jimenez-and-gabriela-juarez-on-presenting-cultural-and-other-sensitive-evaluation-findings-through-skits/) American Evaluation Association 365 Blog September 20th, 2011.

### Technical Evaluation Reports (selected)

*Over 60 technical research and evaluation reports written. Only those completed since appointment to UNCG shown.*

\* Avent, C., & **Boyce, A. S.** (2018). *NanoMFG Evaluation Memorandum*. University of Illinois at Urbana-Champaign.

\*Adetogun, A., Arias, G., Avent, C., & **Boyce, A. S.** (2018). *STAMPS Fall 2017 Research Report.* University of North Carolina at Greensboro.

\*Adetogun, A., Arias, G., Avent, C., & **Boyce, A. S.** (2017). *STAMPS Research Memorandum.* University of North Carolina at Greensboro.

\*Acree, J., Avent, C., Adetogun, A., Petrulis, R., **Boyce, A. S.,** &Chouinard, J. A., (2017). *Transforming teaching through technology: Year 1-3 comprehensive report*. University of North Carolina at Greensboro.

\*Avent, C., & **Boyce, A. S.** (2017). *NCCU HBCU-UP TIP spring 2017 evaluation report.* North Carolina Central University.

**\*Boyce, A. S.,** & Chouinard, J. A., Acree, J., Avent, C., Adetogun, A., Cavanaugh, S. A., Martin, K., & Zemaitis, J. (2017). *Transforming teaching through technology: 2016-2017 evaluation memorandum.* University of North Carolina at Greensboro.

\*Martin, K., **Boyce, A. S.,** & Chouinard, J. A., (2017). *Transforming teaching through technology: Faculty professional development and teacher reform 2016-2017 evaluation report.* University of North Carolina at Greensboro.

\***Boyce, A. S.,** & Avent, C. (2017). *NCCU HBCU-UP TIP interim evaluation memorandum.* North Carolina Central University.

**\***Zemaitis, J., Avent, C., Adetogun, A., Cavanaugh, S. A., Acree, J. **Boyce, A. S.,** &Chouinard, J. A., (2016). *Transforming teaching through technology: The Learning Factory 2016 evaluation report- phase one and two*. University of North Carolina at Greensboro.

**\*Boyce, A. S.,** & Martin, K. (2016). *UNCG Biology Department climate survey results*. University of North Carolina at Greensboro.

**Boyce, A. S.** (2016). *NSF IUSE Improving student computer programming understanding and engagement through computer-monitored problem-solving discussions: 2015-2016 external evaluative review.* North Carolina Agricultural and Technical State University.

\*Martin, K., Zemaitis, J., Adetogun, A., Stockdale, M., **Boyce, A. S.,** & Chouinard, J. A. (2016). *Transforming teaching through technology: Faculty professional development and teacher reform 2016 evaluation report*. University of North Carolina at Greensboro.

\*Zemaitis, J., Adetogun, A., Martin, K., **Boyce, A. S**., Chouinard, J. A., & Stockdale, M. (2016). *Transforming teaching through technology: Makerspaces in schools 2016 evaluation report*. University of North Carolina at Greensboro.

**\*Boyce, A. S.,** Chouinard, J. A., Adetogun, A., Martin, K., Stockdale, M., Sunnassee, E., Zemaitis, J. (2015). *Transforming teaching through technology: The learning factory 2015 evaluation report*. University of North Carolina at Greensboro.

**Boyce, A. S.**, Mitchell, M., & DeStefano, L.(2015). *Northwestern University Science in the Classroom evaluation.* Phi Lambda Upsilon, Alpha Gamma Chapter at Northwestern University.

# PRESENTATIONS – SELECTED

*\* Denotes this presentation was with UNCG graduate students.*

### Invited Presentations

**Boyce, A. S.**, & Avent, C.,(2018, June). *NanoMFG Node evaluation*. National Science Foundation Site Visit, Urbana, IL.

**\*Boyce, A. S.**, Avent, C., Arias, G., & Adetogun, A. (May, 2018). *NCCU HBCU-UP TIP 2017-2018 evaluation and research overview*. NCCU HBCU-UP TIP External Advisory Board Meeting, Durham, NC.

**\***Avent, C., **Boyce, A. S.**, Arias, G., & Adetogun, A. (May, 2017). *NCCU HBCU-UP TIP 2017-2019 evaluation findings*. NCCU HBCU-UP TIP External Advisory Board Meeting, Durham, NC.

Gates, E., Gopez, G., **Boyce, A. S.,** Rivera, L., & Garcia, G. (March 2018). *Becoming better evaluators through reflective practice*. Presentation at the Chamblee Campus Evaluation Community of Practice meeting at the Centers for Disease Control and Prevention, Atlanta, GA.

**Boyce, A. S.** (November, 2017). *Equity, Diversity, and Culutre in STEM Program Evaluation*. Triad Evaluators Network Meeting, Greensboro, NC.

**Boyce, A. S.** (October, 2017). *Equity, Diversity, and Culutre in STEM Program Evaluation*. African American & African Diaspora Studies Program: Conversation with the Community Series, Greensboro, NC.

**Boyce, A. S.** (August, 2017). *CCBM CREST external evaluation*. NSF CCBM CREST External Advisory Board Meeting, Merced, CA.

**\*Boyce, A. S.**, & Avent, C. (June, 2017). *NCCU HBCU-UP TIP spring 2017 evaluation and research overview*. NCCU HBCU-UP TIP External Advisory Board Meeting, Durham, NC.

**\***Avent, C. & **Boyce, A. S.** (June, 2017). *NCCU HBCU-UP TIP spring 2017 evaluation findings*. NCCU HBCU-UP TIP External Advisory Board Meeting, Durham, NC.

**Boyce, A. S.** (2016, April). *NanoBIO Node evaluation*. National Science Foundation Site Visit, Urbana, IL.

**Boyce, A. S.,** DeStefano, L., & Greene, J.C. (2015, September). [*Values-Engaged, Educative Evaluation Approach.*](http://teams.mspnet.org/index.cfm/webinars/webinar_info?id=448) MSPnet.

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**Boyce, A. S.,** & DeStefano, L. (2015, June). *Emergent Behaviors of Integrated Cellular Systems evaluation*. EBICS Annual Retreat, Callaway Gardens, GA.

**Boyce, A. S.,** & DeStefano, L. (2015, April). *NanoBIO Node evaluation*. National Science Foundation Site Visit, Urbana, IL.

### Panel Presentations (peer-reviewed)

Gates, E., **Boyce, A. S.**, Garcia, G., Rivera, L., & Gopez, G.(2017, November). *Becoming better evaluators through reflective practice: Adventures & insights from diverse evaluators working in academic, government, & consulting contexts.* Panel presented at the meeting for the American Evaluation Association, Washington D.C.

**\***Avent, C., Reid, A., Adetogun, A., & **Boyce, A. S.** (2017, February). *And still I rise: Lived experiences of prominent and emerging black evaluators*. Panel Presented at the Conference on African-American and African Diasporic Culture and Experience, Greensboro, NC.

**\***Adetogun, A., Avent, C., **Boyce, A. S.**, Cavanaugh, S. A, Chouinard, J.C., Petrulis, R., Sunnassee, E., Thomas Pitts, R., Long, J., Yumsek, M., & Zemaitis, J. (2016, October). *Designing a culturally responsive approach to evaluation: Using a case study to explore experiences of novice evaluators.* Panel presented at the meeting for the American Evaluation Association, Atlanta, GA.

Acker, C., Ayers, E., **Boyce, A. S.**, Farmosa, E., Frazer, S., Garcia, G., & Marshall, B. (2016, October). *Designing your evaluation career panel.* Panel presented at the meeting for the American Evaluation Association, Atlanta, GA.

**Boyce, A. S.** (2016, October). *I can see clearly now: Considerations around providing formative feedback to STEM program staff across short term, informal, and multi-site contexts*. Discussant for panel presented at the meeting for the American Evaluation Association, Atlanta, GA.

**Boyce, A. S.**, Van Draanen, J., LaChenaye, J., Ruwase, O., Everett, K., & Hamm, M. (2015, November). *Community, theory, and guidance: Benefits of peer-mentoring in evaluation*. Panel presented at the meeting for the American Evaluation Association, Chicago, IL.

\*Chouinard, J.C., **Boyce, A. S.**, Thomas, R., Stockdale, M. R., Hicks, J., Long, J., & Jones, J.L. (2015, November). *Bridging theory and practice through evaluation fieldwork: Experiences of novice evaluation practitioners*. Panel presented at the meeting for the American Evaluation Association, Chicago, IL.

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**Tillman, A. S.** (2013, October). Panel: *Content, pedagogy, and diversity: Evaluating STEM (science, technology, engineering, and mathematics) programs using the Values-engaged, Educative Approach*. Paper: *Attending to culture and diversity in evaluations of undergraduate and graduate science, technology, engineering, and mathematics (STEM) research traineeships*. Paper presented within a panel at the meeting for the American Evaluation Association, Washington, D.C.

**Tillman, A. S.,** Downs, H., Jimenez, M.B., Juarez, G., & Rivera, L.(2013, October). *What every graduate student and novice evaluator should know*. Panel presented at the meeting of the American Evaluation Association, Washington, D.C.

**Tillman, A. S.** (2013, April). Panel: *Values, access, and understanding: Attention to culture and Diversity in STEM evaluation*. Paper: *Peeling back the layers: A multi-site STEM evaluation of an NSF Science Technology Center*. Paper presented within a panel at the Center for Culturally Responsive Evaluation and Assessment Inaugural Conference, Chicago, IL.

**Tillman, A. S.** (2012, October). Panel: *Evaluating with and for justice*. Paper: *Evaluator and participant relationships within an evaluation of prison education*. Paper presented within a panel at the meeting of the American Evaluation Association, Minneapolis, MN

**Boyce, A. S.,** Cash, T., & Muhati, P. (2011, November). Panel: *Voice and representation in federal-level educational evaluations: An empirical sampling.* Paper: *Voice and values: Stakeholder representation in evaluations conducted by large research firms.* Paper presented within a panel at the meeting of the American Evaluation Association, Anaheim, CA.

Ahn, J., & **Boyce, A. S.** (2010, November). *Equity and quality in evaluation: Ideas and illustrations from the field.* Paper presented within a panel at the meeting of the American Evaluation Association, San Antonio, TX.

### Paper Presentations (Peer-Reviewed)

\***Boyce, A. S.,** Reid, A., Avent, C., & Adetogun, A. *Panel: Say their names: Lived experiences of prominent and emerging black evaluators*. **Boyce, A. S.** (2017, November). Paper: Representation matters: Where are the prominent evaluators of color? Panel presented at the meeting for the American Evaluation Association, Washington D.C.

**\*Boyce, A. S.,** Adetogun, A., Avent, C., Servance, L., DeStefano, L., Nerem, R., & Platt, M. (2017, October). *Importance of evaluation for successful implementation of Project ENGAGES, a paid research experience for African American high school students at Georgia Tech.* Paper presented at the Biomedical Engineering Society Annual Meeting, Phoenix, AZ.

**\***Adetogun, A., & **Boyce, A. S.** (2017, March). *A review and critique of STEM education evaluation literature*. Presented at the Emergent Voices in Evaluation Conference, Greensboro, NC.

\*Avent, C., Reid, A., Adetogun, A., & **Boyce, A. S.** (2017, March). *Lived experiences of prominent and emerging black evaluators*. Presented at the Emergent Voices in Evaluation Conference, Greensboro, NC.

Mitchell, M., **Boyce, A. S.**, DeStefano, L., Platt, M., Nerem, R., & Servance, L. (2016, April). T*he Values-Engaged, Educative (VEE) Evaluation Approach and broadening participation.* Paper presented at the Center for Culturally Response Evaluation and Assessment Conference, Chicago, Il.

Bowen, M. & **Boyce, A. S.** (2015, November). *Engaging stakeholders in an international context: Lessons learned from Brazil's African-descent communities*. Panel presented at the meeting for the American Evaluation Association, Chicago, IL.

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Amos, J., Clancy, K., Hunter, C., & **Tillman, A. S.** (2015, June). Race, inclusion, and science: Things that really do go together. *Proceedings of the 122nd ASEE Annual Conference and Exposition*, Seattle, Washington.

**Tillman, A. S.,** Garcia, G., & Rivera, L.(2014, October). *Who do we think we are: Being explicit about equity and Diversity in STEM evaluation*. Paper presented at the meeting of the American Evaluation Association, Denver, CO.

**Tillman, A. S.**, & DeStefano, L. (2014, October). *Relationships, equity, and institutionalization: The evaluation of three NSF graduate training programs.* Paper presented at the meeting of the American Evaluation Association, Denver, CO.

**Tillman, A. S.**, Rivera, L., & DeStefano, L. (2014, September). *The case for the ubiquitous evaluator: Establishing an onsite and virtual presence in multisite STEM evaluation to facilitate cultural responsiveness*. Center for Culturally Responsive Evaluation and Assessment Conference, Chicago, IL.

DeStefano, L., & **Tillman, A. S.** (2013, October). *Lessons learned from evaluating a multi-site National Science Foundation Science Technology Center*. Paper presented at the meeting of the American Evaluation Association, Washington, D.C.

**Tillman, A. S.**, & Greene, J. C. (2013, April). *Evaluating for social justice: An evaluation of the Education Justice Project*. Paper presented within a panel at the Center for Culturally Responsive Evaluation and Assessment Inaugural Conference, Chicago, IL.

Ward Hood, D., & **Tillman, A. S.** (2013, April). *Illinois Scholarship Program: A culturally responsive approach to longitudinal evaluation*. Paper presented within a panel at the Center for Culturally Responsive Evaluation and Assessment Inaugural Conference, Chicago, IL.

Bowen, M. & **Tillman, A. S.** (2013, April). *Ser culturalmente sensíveis: Conceptualization, data collection and analysis in Brazil’s African descent communities*. Paper presented within a panel at the Center for Culturally Responsive Evaluation and Assessment Inaugural Conference, Chicago, IL.

Trenshaw, K. F., Henderson, J., **Boyce, A. S.**, & DeStefano, L. (2012, October). *Student outcomes of design projects across the curriculum.* Frontiers in Education Conference, Seattle, Washington.

Mortensen, P., **Boyce, A. S.**, & Jimenez, M.B. (2012, March). *Assessing advanced composition instruction as the basis for systematic curricular improvement: Research findings and their afterlife in shared governance of the curriculum*. conference on College Composition and Communication, Saint Louis, MO.

**Boyce, A. S.,** Jimenez, M. B., & Juarez, G. (2011, November). *Lights, camera, evaluation: Presenting values and cultural nuances through two skits.* Paper presented at the meeting of the American Evaluation Association, Anaheim, CA.

**Boyce, A. S.**, Jimenez, M. B., Mortensen, P., & DeStefano, L. (2011, April). *Enhancing traditional and innovative approaches to advanced composition in academic disciplines: Second progress report*. Paper presentation at the Allerton Writing Conference, Monticello, IL.

Jimenez, M. B., **Boyce, A. S.**, Mortensen, P., & DeStefano, L. (2010, December). *Enhancing traditional and innovative approaches to advanced composition in academic disciplines: Progress report*. Paper presentation at the University of Illinois at Urbana-Champaign General Education Board Meeting, Champaign, IL.

Greene, J., Ahn, J., & **Boyce, A. S.** (2010, November). *Responsible responsiveness in evaluation: To whom and to what?* Paper presented at the meeting of the American Evaluation Association, San Antonio, TX.

**Boyce, A. S.**, Jimenez, M. B., & Mortensen, P. (2010, April). *Enhancing traditional and innovative approaches to advanced composition in academic disciplines*. Paper presentation at the Allerton Writing Conference, Monticello, IL.

Bell, R., & **Boyce, A. S.**, (2009, April). *An examination of the link between professional development, teacher learning, and student outcomes*. Paper presentation at the Arizona Evaluation Network Meeting, Phoenix, AZ.

Bell, R., **Boyce, A. S.**, & Blankson, G. (2008, July). *Arizona Department of Education’s evaluation of Supplemental Educational Services in Arizona.* Paper presented at the Arizona Supplemental Educational Services Conference, Phoenix, AZ.

### Roundtable Presentations (Peer-Reviewed)

**Boyce, A. S.,** Robles-Shrader, G., Hall, M., Greene, J. C., Parsons, B., & Julnes, G.(2017, November). *Continuing the discussion: An AEA dialogue on race and class.* Presidential Strand Presentation presented at the meeting for the American Evaluation Association, Washington D.C.

Chouinard, J. A., & **Boyce, A. S.** (2017, November). *An exploration of restorative justice principles in evaluation*. Roundtable presented at the meeting for the American Evaluation Association, Washington D.C.

# ADVISING

### University of North Carolina at Greensboro

1. Adeyemo Adetogun (MS/PhD program) In progress
2. Cherie Avent (MS/PhD program) In progress
3. Richard LaBennett (MS Program) In progress
4. Justin Long (MS/PhD program) In progress
5. Jaime Moller (PhD Program) In progress
6. Aileen Reid (co-advisor) (MS/PhD program) In progress
7. Brian Strickland (MS Program) In progress

# DISS**E**RTATION COMMITTEE MEMBERSHIP

### University of North Carolina at Greensboro

#### Educational Research Methodology Department

1. Robyn Thomas Pitts Completed Fall 2017

Title: *Understanding student learning evidence: A case study of evaluation use and evaluation influence for accountability and learning*

1. Kshawna Askew Completed Spring 2016

Title: *Defining Culturally Relevant Pedagogy: An Exploration of the usefulness of concept mapping and assessment engineering for rubric development*

1. Keshia Martin In progress
2. Samuel Austin Cavanaugh In progress
3. Ciji Heiser In progress

#### School of Education

1. Khulod Alamer (Specialized Ed Services) In progress
2. Shoroq Alkhattabi (Specialized Ed Services) In progress
3. Mohammed Alshuayl (Specialized Ed Services) In progress
4. LaTasha Becton (Counseling and Ed Development) In progress
5. Cherise James (Teaching Ed and Higher Ed) In progress
6. Joesph Leblanc (Counseling and Ed Development) In progress
7. Christy Marhatta (Teaching Ed and Higher Ed) In progress
8. Amy Strickland (Teaching Ed and Higher Ed) In progress
9. Shreya Vaishnav (Counseling and Ed Development) In progress

UNCG

1. Latifa Alsalimi (Communication Sciences & Disorders) In progress

# PROFESSIONAL AND CAMPUS SERVICE

### University of North Carolina at Greensboro

#### Educational Research Methodology Department Service

Spring 2017 – present **Faculty Advisor**

ERM Graduate Student Consulting Group

Fall 2016 – Spring 2017 **Member**

Faculty Search Committee

Spring 2016 – present **Faculty Co-Advisor**

Emerging Voices in Evaluation (EViE) Conference

Spring 2016 – present **Member**

Curriculum Committee (Ad Hoc)

Fall 2015 – present **Department Webmaster & Social Networking Chair**

#### School of Education Service

Fall 2016 – Spring 2017 **Member**

SOE Associate Dean Search Committee

Fall 2016 – present **ERM Department Representative**

Faculty Council

#### University Service

Spring 2018 **Invited Guest Speaker**

UNCG McNair Statewide Conference

Spring 2017 – present **Faculty Affiliate**

African American and African Diaspora Studies

### University of Illinois at Urbana-Champaign

#### Educational Psychology Department Service

Aug 2010 – May 2011 **Elected Graduate Student Representative**

Executive Committee

Jan 2010 – May 2015 **Volunteer Research, Evaluation, and Statistical Analysis Consultant** QUERIES Division

#### College of Education Service

Oct 2012 – Oct 2013 **Appointed Student Representative**

College of Education Research Committee

May 2011 – May 2014 **Volunteer Evaluation Coordinator**

Education Justice Project

### National Service

#### American Evaluation Association

Nov 2017 – Nov 2019 **Appointed Co-Chair**

Multiethnic Issues in Evaluation Topic Interest Group

October 2016 – January 2018 **Invited Member**

Thought Leaders and Planning Committee

An AEA Dialogue on Race and Class

Nov 2016 – Nov 2017 **Immediate Past** **Elected Chair**

Science Technology Engineering Mathematics Topic Interest Group

Nov 2015 – Nov 2016 **Elected Chair**

Science Technology Engineering Mathematics Topic Interest Group

Nov 2014 – Nov 2015  **Incoming** **Elected Chair**

Science Technology Engineering Mathematics Topic Interest Group

March 2014 – present **Graduate Student and New Evaluator Mentor (2 iterations)**

Graduate Student and New Evaluator Topic Interest Group

Nov 2013 – Nov 2014 **TIG Leadership Committee Member**

Science Technology Engineering Mathematics Topic Interest Group

March 2013 – present **Conference Proposal Reviewer**

Science Technology Engineering Mathematics Topic Interest Group

March 2011 – present **Conference Proposal Reviewer**

Graduate Student and New Evaluator Topic Interest Group

Nov 2010 – Nov 2012 **Elected Co-Chair**

Graduate Student and New Evaluator Topic Interest Group

#### Center for Culturally Responsive Evaluation and Assessment

August 2015 – present **Conference Proposal Reviewer**

Editorial Board

Fall 2017- Fall 2020 **Canadian Journal of Evaluation**

#### National Science Foundation

Summer 2018 – present **External Advisory Board Member**

NC Alliance for Graduate Education and the Professoriate (AGEP)

Spring 2017 – present **Research and Evaluation Expert Panelist**

NSFINCLUDES

June 2015 – present **Grant Proposal Reviewer (Ad Hoc)**

#### Journal Article Reviewer

March 2018 – present **Journal Article Reviewer**

Journal of Engineering Education

August 2017 – present **Journal Article Reviewer**

Evaluation and Program Planning

September 2016 – present **Journal Article Reviewer**

Research in the Schools

August 2016 – present **Journal Article** **Reviewer**

American Journal of Evaluation

May 2016 – present **Journal Article** **Reviewer**

Canadian Journal of Evaluation

# HONORS AND AWARDS

April 2018 UNCG Honoree for Faculty Excellence in Research & Creative Activity

November 2017 AEA 2017 Conference

Presidential Strand Panel Presentation American Evaluation Association

October 2012 AEA 2012 Conference

Presidential Strand Panel Presentation American Evaluation Association

November 2011 AEA 2011 Conference

Presidential Strand Special Competition Winner American Evaluation Association

# PROFESSIONAL AFFILIATIONS

American Educational Research Association (AERA)

American Evaluation Association (AEA)

Delta Sigma Theta Sorority, Inc. (Public Service Sorority)

Psi Chi (Psychology Honor Society)

Society for the Psychological Study of Social Issues (SPSSI)

1. From 2012–2015 my last name was Tillman. [↑](#footnote-ref-1)