

DANYELLE TAURYCE IRELAND

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EDUCATION

- May 2016 ***Doctor of Philosophy, Educational Psychology***
Howard University – Washington, DC
Dissertation: “The Roles of Social Identities in the Achievement Motivation and Retention of Black Undergraduate Women in Computing Disciplines”
Advisor: Kimberley E. Freeman, Ph.D.
- Fall 2011 ***Graduate Exchange Student, Department of Social Sciences***
Universidade Federal da Bahia – Salvador, BA, Brazil
Howard University U.S. – Brazil Student Mobility Program: “Race, Development and Social Inequality: Access and Equity in Higher Education”
- May 2007 ***Bachelor of Arts, African American Studies and Family Studies***
University of Maryland College Park – College Park, MD (UMCP)
Departmental Honors, African American Studies
College Park Scholars Program, Citation in the Arts

PROFESSIONAL APPOINTMENTS

- 2020-Present **Research Assistant Professor**, Engineering & Computing Education Program (ECEP)
University of Maryland Baltimore County (UMBC), Baltimore, MD
- 2019-2021 **Adjunct Professor**, Department of Gender & Women’s Studies (GWST)
University of Maryland Baltimore County (UMBC), Baltimore, MD
- 2017-2019 **Adjunct Professor**, Dept. of Human Development & Psychoeducational Studies
Howard University School of Education, Washington, DC
- 2016-Present **Associate Director**, Center for Women in Technology (CWIT)
University of Maryland Baltimore County (UMBC), Baltimore, MD
- 2014-2016 **Program Analyst**, Division of Data, Assessment, and Research
Office of the State Superintendent of Education (OSSE), Washington, DC
- Spring 2014 **Adjunct Instructor**, Department of Curriculum & Instruction
Howard University School of Education, Washington, DC
- 2012-2013 **African American History Teacher**, Parkside High School
Cesar Chavez Public Charter Schools, Washington, DC
- 2009-2013 **Program Coordinator**, Office of Culture and Academic Support
Cesar Chavez Public Charter Schools, Washington, DC
- 2008-2009 **Research Assistant**, Excellence and Motivation in Education Research Group
Howard University School of Education, Washington, DC

HONORS & AWARDS

- 2018 **Community Change Agent Award**
Lambda Kappa Chapter of Delta Sigma Theta Sorority Incorporated, UMBC
- 2015 **Edward A. Bouchet Graduate Honor Society Inductee**
Howard University Graduate School
- 2015 **Dissertation Project Award**
Howard University Institute of Psychological Science - Excellence in STEM Workforce Development and Education of Women and Girls
- 2014 **Dissertation Research Award (\$1,000)**
American Psychological Association - Science Directorate
- 2014 **Daniel Award (\$1,000)**
Walter and Theodora Daniel Endowed Educational Research Fund
- 2007 **Undergraduate Student Achievement Award**
UMCP President's Commission on Ethnic Minority Issues

AREAS OF INTEREST & SPECIALIZATION

- Academic motivation
- Social identity
- intersectionality
- transfer success
- culturally responsive pedagogy
- Black education
- computing education
- engineering education
- survey methodology
- focus groups
- SPSS
- NVivo

PUBLICATIONS

- Freeman, K. E., Ricks, E. D., **Ireland, D. T.**, Gangloff-Bailey, F., & Grant, O. B. (2020). Cultivating the Motivation of African American Students. *Teaching Motivation for Student Engagement* (in press)
- Ireland, D. T.**, Freeman, K. E., Winston-Proctor, C. E., DeLaine, K. D., McDonald Lowe, S., & Woodson, K. M. (2018). (Un)Hidden figures: A synthesis of research examining the intersectional experiences of Black women and girls in STEM Education. *Review of Research in Education*, 42(1), 226-254.
- Rheingans, P., D'Eramo, E., Diaz-Espinoza, C., & **Ireland, D. T.** (2018). A model for increasing gender diversity in technology. In *Proceedings of the 49th ACM Technical Symposium on Computer Science Education* (pp. 459-464). ACM. <https://doi.org/10.1145/3159450.3159533>
- Ireland, D. T.**, Rheingans, P., Blaney, L., desJardins, M., LaBerge, E. F. C., Martin, S., Seaman, C., Slaughter, G., & Spence, A. (2017). Board# 61: T-SITE: A UMBC community of transfer scholars in computing, information technology, and engineering. In *2017 ASEE Annual Conference & Exposition*. Retrieved from <https://peer.asee.org/board-61-t-site-a-umbc-community-of-transfer-scholars-in-computing-information-technology-and-engineering>
- Brown-Willis, D. T.** (2014). Racial democracy, social inequality, and access to higher education in Brazil. In M. Pendergraph (Ed.), *Pictures and mirrors, volume two: Race and access to higher education in Brazil*. Retrieved from <http://www.lulu.com/shop/max-pendergraph/pictures-and-mirrors-volume-two-race-and-access-to-higher-education-in-brazil/ebook/product-21881227.html>

PAPER PRESENTATIONS

- Ireland, D. T.**, Zarch R., Hipshman, I., & Clark, A. (Under review). Common Ground: An Inter-institutional Computing & Engineering Education Transfer Learning Community in the Wake of COVID-19. Paper submitted to the *52nd ACM Technical Symposium on Computer Science Education*.
- Ireland, D. T.**, Seaman, C. B., Starobin, S., Laanan, F. S. & Hipshman, I. (2020, Apr 17 - 21) Before and Beyond Transfer: Supporting Computing and Engineering Students from Community College to University. Paper accepted to the annual meeting of the *American Educational Research Association*, San Francisco, CA <http://tinyurl.com/vw5w3fw> (Conference Canceled)
- Rheingans, P., D'Eramo, E., Diaz-Espinoza, C., & **Ireland, D. T.** (2018, February). A model for increasing gender diversity in technology. Paper presented at *49th ACM Technical Symposium on Computer Science Education*. Second Best Paper award in "New Curricula & Programs"
- Ireland, D. T.**, Freeman, K. E. (2016, April) A closer look: Relating social identity and achievement motivation among Black undergraduate women in computing. Paper presented at the annual meeting of the *American Educational Research Association*, Washington, DC.
- Brown-Willis, D. T.**, Freeman, K. E. (2015, April). The roles of social identities in the achievement motivation and retention of Black undergraduate women in computing disciplines. Paper presented at the *12th Annual Yale Boubet Conference on Diversity and Graduate Education*, New Haven, CT.
- Brown-Willis, D. T.** (2013, May). Historical perspectives on the education of African American children: Afrocentric education 1980-2000. *Institute for the Study of the African American Child 2013 Conference on Research Directions*, Hilton Head, SC.

POSTER PRESENTATIONS

- Ireland, D. T.**, Rheingans, P., Bielawski, C., Blaney, L., Luster, A., Seaman, C., Shishineh, L., & Stokeling, S. (2018, February). Forging pathways: Reflections on year one of a post-transfer pathways program for computing and engineering majors. Poster presented at *49th ACM Technical Symposium on Computer Science Education NSF Poster Session*
- Ireland, D. T.**, Freeman, K. E. (2017, August) Interfering identities and psychological cost among Black undergraduate women in computing. Poster presented at the annual convention of the *American Psychological Association*, Washington, DC.
- Ireland, D. T.**, Rheingans, P., Blaney, L., desJardins, M., LaBerge, E. F. C., Martin, S., Seaman, C., Slaughter, G., & Spence, A. (2017, June). T-SITE: A UMBC community of transfer scholars in computing, information technology, and engineering. Poster presented at *American Society for Engineering Education Annual Conference & Exposition NSF Poster Session* Columbus, OH.
- Brown-Willis, D. T.**, Freeman, K. E. (2014, April). Exploring the relationship between achievement goal theory and disruptive classroom behavior. Poster presented at the annual meeting of the *American Education Research Association*, Philadelphia, PA.

OTHER PRESENTATIONS

Ireland, D. T., Greenwood, C., D'Eramo E., O'Keefe, K. (Accepted). Powerful Pre-College and Pre-Professional Supports: CWIT's Book-End Approach to Inclusive Excellence in Undergraduate Tech Education. Presentation accepted to the 2021 meeting of the *Collaborative Network for Engineering and Computing Diversity (CoNECD)* Crystal City, VA.

INVITED PANELS AND WORKSHOPS

- April 2018 “Culturally Responsive Education, Why Bother?” Panelist at the first annual meeting of the *Collaborative Network for Engineering and Computing Diversity (CoNECD)* Arlington, VA.
- April 2017 “Diversity in the Classroom.” Workshop delivered to junior faculty in the *College of Engineering and Information Technology* at UMBC.
- August 2013 “Sankofa Sessions/Infinite Possibilities” Workshop delivered to students in the *YMCA Young Black Achievers Program* Wilmington, DE.
- August 2013 “Postsecondary Challenges Faced by Homeless/Unaccompanied Youth & Students in Special Education.” Panelist at the *Office of the State Superintendent of Education College and Credential Completion Network Roundtable*. Washington, DC.

GRANT ACTIVITY (*role assumed after award was granted)

- Sep. 2020 - Present “BCSER Building Capacity for A Longitudinal Mixed-Methods Explanation of Women’s Achievement and Attrition in Undergraduate Engineering Education”, Principal Investigator: **Dr. Danyelle Ireland**; awarded by *National Science Foundation* **\$232,867.00**.
- Jul. 2018 – Jun. 2019 “The CS-Impact Workshop Series: Exploring Opportunities for Undergraduate Computer Science Research and Graduate Study”, Principal Investigator: **Dr. Danyelle Ireland**, Co-Principal Investigators: Dr. Tim Finin, Dr. Anupam Joshi, Dr. Cynthia Matuszek, Dr. Marc Olano, and Dr. Renetta Tull; awarded by *exploreCSR: Google Grant Pilot Program for Undergraduate Computer Science Research Focused Workshops for Women* **\$11,040**.
- Sep. 2016 - Present “Developing, Implementing, and Evaluating a Post-Transfer Pathways Program for Computing and Engineering Majors”, Principal Investigator: **Dr. Danyelle Ireland***, Co-Principal Investigators: Dr. Lee Blaney, Dr. Marc Olano, Dr. Maria Sanchez, Dr. Carolyn Seaman; awarded by *National Science Foundation* **\$1,117,096**.
- Sep. 2016 - Present “Creating a Community of Transfer Scholars in Computing and Information Technology”, Principal Investigator: Dr. Penny Rheingans, Co-Principal Investigators: **Dr. Danyelle Ireland***, Dr. E. F. Charles LaBerge, Dr. Carolyn Seaman; awarded by *National Science Foundation* **\$632,488**.

COURSES TAUGHT

UMBC, Baltimore, MD

- Women, Gender, and Information Technology (Undergraduate)
- CWIT Industry Mentoring Practicum (Undergraduate)

Howard University, Washington, DC

- Human Learning (Graduate)
- Advanced Measures and Evaluation (Graduate)
- Advanced Educational Psychology (Graduate)
- Problems in Educational Psychology (Graduate)
- Educational Psychology (Undergraduate)

STUDENT MENTORING

Research Supervisor

- Jeannine Hines – UMBC (2019 – present)
- Madhura Belli – UMBC (2018 – 2019)
- Sophia Haire – UMBC (2017)

Dissertation Committee Member

- Kendra DeLaine – Howard University (2019)
- Rhonda Celey – Howard University (2019)

UNIVERSITY & DEPARTMENTAL SERVICE

2018	Search Committee Member , UMBC Director of Inclusive Excellence
2017 – 2019	Member , UMBC Campus Climate Coordinating Group
2017	Search Committee Member , UMBC Director of Engineering Education and Outreach
2008 – 2011	President , Howard University Educational Psychology Student Association
2005 – 2007	President , UMCP Society of African American Studies

PROFESSIONAL SERVICE

Conference Proposal Reviewer

- American Society for Engineering Education, NSF Grantees Poster Session
- American Education Research Association, Research Focus on Black Education Special Interest Group
- American Psychological Association, Division 15 – Educational Psychology

Ad-Hoc Reviewer

- *American Educational Research Journal*
- *Contemporary Educational Psychology*
- *Multicultural Perspectives*
- National Science Foundation

PROFESSIONAL AFFILIATIONS

- 2018 – Present **ACM Special Interest Group on Computer Science Education**
- 2017 – Present **American Society for Engineering Education**
Educational Research and Methods Division
- 2009 – Present **American Educational Research Association**
Division G – Social Context of Education;
Special Interest Groups: Motivation, Research Focus on Black Education
- 2008 – Present **American Psychological Association**
Division 15 – Educational Psychology