

PRESENTER SCHEDULE

AS OF 10/16/18

Diversity Challenge

Making Race and Culture Work in the STEM Era:
Bringing All People to the Forefront

2018

ISPRC



**THE INSTITUTE FOR THE STUDY AND
PROMOTION OF RACE AND CULTURE**

THE INSTITUTE FOR THE STUDY AND PROMOTION OF RACE AND CULTURE

Diversity Challenge Program Outline

FRIDAY, OCTOBER 19, 2018

8:15am-9:00am	REGISTRATION & CONTINENTAL BREAKFAST <i>Murray Room, Yawkey Center</i>
9:00am-9:15am	WELCOME/ANNOUNCEMENTS <i>Murray Room, Yawkey Center</i>
9:30am-11:00am	CONCURRENT SESSION I
11:00am-11:10am	BREAK
11:10am-11:15am	OPENING REMARKS STANTON WORTHAM, PH.D., DEAN BOSTON COLLEGE, LYNCH SCHOOL OF EDUCATION <i>Murray Room, Yawkey Center</i>
11:15am-12:45pm	INVITED SPEAKERS ^{*(1.5 CEs)} DARREN RANCO, PH.D. - UNIVERSITY OF MAINE IVAN WU, PH.D. - UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER <i>Murray Room, Yawkey Center</i>
12:45pm-2:00pm	POSTER SESSION I LUNCHEON <i>Murray Room, Yawkey Center</i>
2:15pm-3:45pm	CONCURRENT SESSION II
3:45pm-4:00pm	BREAK
4:00pm-5:30pm	ISPRC-FACILITATED WORKSHOP ^{*(1.5 CEs)} ADDRESSING MENTAL HEALTH AND SYSTEMIC BARRIERS: ACCOMPANYING STUDENTS OF COLOR ALONG THEIR EDUCATIONAL JOURNEY VANESSA PROSPER, PH.D. – BOSTON COLLEGE ANMOL SATIANI, PH.D. – DEPAUL UNIVERSITY <i>Murray Room, Yawkey Center</i>

***These programs are co-sponsored by the Massachusetts Psychological Association (MPA) and the Institute for the Study and Promotion of Race and Culture (ISPRC) at the Carolyn A. and Peter S. Lynch School of Education at Boston College. MPA is approved by the American Psychological Association to offer Continuing Education (CE) for psychologists. MPA maintains responsibility for the program. Attendees of this program will be awarded credits.**

Diversity Challenge Program Outline

SATURDAY, OCTOBER 20, 2018

8:15am-9:00am	REGISTRATION & CONTINENTAL BREAKFAST <i>Murray Room, Yawkey Center</i>
9:00am-9:15am	WELCOME/ANNOUNCEMENTS <i>Murray Room, Yawkey Center</i>
9:30am-11:00am	CONCURRENT SESSION III
11:00am-11:10am	BREAK
11:10am-11:15am	REMARKS <i>Murray Room, Yawkey Center</i>
11:15am-1:00pm	INVITED SPEAKERS ^{*(1.5 CEs)} LILLIE ALBERT, PH.D. – BOSTON COLLEGE ERICKA BULLOCK, PH.D. - UNIVERSITY OF WISCONSIN-MADISON PATRICIA POITEVIEN, MD, MSC - <i>Murray Room, Yawkey Center</i>
1:00pm-2:00pm	POSTER SESSION II LUNCHEON <i>Murray Room, Yawkey Center</i>
2:15pm-3:45pm	CONCURRENT SESSION IV
3:45pm-4:00pm	BREAK
4:00pm-5:30pm	ISPRC-FACILITATED WORKSHOP ^{*(1.5 CEs)} HOW RACE MATTERS IN ORGANIZATIONS: WHAT YOU DO AFFECTS RECRUITMENT, RETENTION, AND PRODUCTIVITY JANET E. HELMS, PH,D. – BOSTON COLLEGE <i>Murray Room, Yawkey Center</i>

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DIVERSITY CHALLENGE 2018: FRIDAY SCHEDULE

8:15am-9:00am **Registration and Continental Breakfast**
Murray Room, Yawkey Center

9:00am-9:15am **Welcome/Announcements**

9:30am-11:00am ***Concurrent Session I***

Youth Educational Pathways to STEM	
9:30-11:00am	1A. Structured Discussion Hargrave, Connie - Iowa State University <i>Counter Spaces: Examining After-school Educational Structures Fostering Students of Color STEM Success</i>
	1B. Structured Discussion Aladin, Meera; Burke, Erin; Park, James; & Taveras, Yanilssa - Fordham University; & Roche, Jill - Hunts Point Alliance for Children <i>Educating, Enlivening and Encouraging Urban Minority Youth in STEM</i>

Social Identities in STEM	
9:30-11:00am	<p>2A. Individual Presentation</p> <p>Greene, Nneka - Regent University</p> <p style="text-align: center;"><i>Power, Identity, and Parental Involvement for Black Girls in STEM: An Autoethnographic Perspective</i></p>
	<p>2B. Structured Discussion</p> <p>Johnson, Aleta – Private Practice; & Wong-Bailey, Heather - Brown University</p> <p style="text-align: center;"><i>Busted: The Model Minority and Mental Health – Understanding Asian and Asian American College Students</i></p>

WORKSHOP

9:30-11:00am	<p>Owens-Lane, Jan; & Nadathur, Sita - University of Hartford</p> <p style="text-align: center;"><i>Cultural Sensitivity in Recruiting and Supporting Minority STEM Students</i></p> <p>As of the 2016 United States Census, the African American and Hispanic communities continue to represent the largest minority groups in the United States. Nevertheless, research continues to suggest that students from these minority groups remain underrepresented in many fields of academia, including STEM. The goal of this workshop is to expose the audience to the cultural factors that affect the recruitment and retention of African American and Hispanic students. Specifically, this workshop includes topics such as mental illness among students of color, cultural factors involved in mentoring, and how these students experience ethnic discrimination. Through this presentation, participants will learn to identify racial discrimination, strategies for engaging students from minority backgrounds, and the opportunity to reflect on their own cultural awareness.</p>
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SYMPOSIUM

9:30-11:00am	<p>Couch, Stephanie; & Estabrooks, Leigh – MIT; & Barnett, Mike; Kim, Deoksoon; Cho, Eunhye; Kim, So Lim; Jackson, David; & Zhang, Helen – Boston College</p> <p style="text-align: center;"><i>Inventing the Future: Leveraging Cultural Assets to Create Young STEM Inventors</i></p> <p>This symposium aims to share and reflect on how invention curriculum that leverages youth’s cultural backgrounds can impact youth, particularly those who are recent immigrants and non- native English speakers. Learning experiences with an inventive spirit have demonstrated success in lowering the barrier to participation and promoting youth’s self-driven inquiry in STEM learning. Culturally responsive invention curriculum that builds on youth’s cultural backgrounds and unique needs of their communities can potentially be more powerful in exciting and sustaining students’ interest in STEM. The papers report the design, implementation, and outcomes of culturally responsive invention curriculum in in-school and out-of-school settings, with the goal of revealing successes and challenges involved in the approach of linking youth’s cultural assets with inventive STEM projects.</p> <p style="text-align: right;">*CEs offered (1.5)</p>
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11:00am-11:10am BREAK

11:10am-11:15am Welcoming Remarks

INVITED PANEL	
<p>11:15am-12:45pm YAWKEY CENTER MURRAY ROOM</p>	<p style="text-align: center;"><i>Bullying and Other Barriers to Diversity in STEM</i></p> <p>Darren Ranco, Ph.D. – University of Maine Ivan Wu, Ph.D. – University of Texas MD Anderson Cancer Center</p> <p style="text-align: right;">*CEs offered (1.5)</p>

POSTER SESSION I LUNCHEON

12:45pm-2:00pm

MURRAY ROOM / YAWKEY CENTER

Andrews, Veronica; & Bullock, Kim – Georgetown School of Medicine
Linkage to Care Module for Achieving Equitable Outcomes in Institutional Sexual Misconduct Cases

Bell, Tyronn – University of Indianapolis
Addressing Barriers to Success for African American Boys in STEM Fields

Delaney, Eryn – Virginia Commonwealth University
The Effect of Psycho-Social Mechanisms on Intended Persistence for Historically Underrepresented Racial/Ethnic Undergraduates

Meyer, Kayla - Chestnut Hill College
From the Start: Using Social Psychology to Tackle Gender Bias in STEM

Nitta, Mika – Private Practice
Risks of Use of American Standardized Psychological Assessment Tools with Minorities

Park, James; Aladin, Meera; & Burke, Erin – Fordham University
How Families, Peers and Teachers Influence Underrepresented Minority Students' Engagement and Success in STEM

Swaby, Carlos – Cambridge Public Schools
The Real Cost Of Dropping Out of School

2:15pm-3:45pm

Concurrent Session II

Promoting STEM Involvement	
2:15-3:45pm	1A. Individual Presentation Schneider, Stephanie - Iowa State University <i>Urban Ecosystem Project : Promoting Authentic Science Among Diverse Youth through Mosquito Biology</i>
	1B. Structured Discussion O'Donnell, Kristen; Healy, Deborah; Dunne, Kathryn; & DeHoyos, Adela - Our Lady of the Lake University <i>STEM Based Education: The Great Equalizer?</i>

STEM and Culture in Japan	
2:15-3:45pm	2A. Individual Presentation Deguchi, Makiko - Sophia University; & Mizuki, Rie - Fukushima Medical Center <i>Japanese College Students' Assumptions about Race and Racial Categories: Implications for Teaching</i>
	2B. Individual Presentation Mizuki, Rie - Fukushima Medical Center; & Deguchi, Makiko - Sophia University <i>Challenging Anti-Buraku Discrimination: Examining the Effects of a Human Rights Education Course</i>

Physical Health and STEM	
2:15-3:45pm	<p>3A. Individual Presentation Olivar, Patrice; Nikitopoulos, Christina; & Ho, Ivy K. - UMASS Lowell</p> <p style="text-align: center;"><i>Engagement in STEM and Exercise to Promote Learning for Minority Youth</i></p>
	<p>3B. Structured Discussion Grant, Megan - UMASS Lowell</p> <p style="text-align: center;"><i>Sexual Health, Minorities and STEM</i></p>

WORKSHOP

2:15-3:45pm	<p>Ashley, Wendy; & Lipscomb, Allen – California State University, Northbridge</p> <p style="text-align: center;"><i>Fostering Culturally Affirming Clinical Supervision in the Workplace: Enhancing Transformative Dialogue in the Supervisory Dyad</i></p> <p>This presentation will provide a framework for clinical supervisors to use in the workplace when supervising people with varying intersectional identities (i.e. race, culture, gender, gender identity, etc). Because of these nuances in diversity, power and privilege, isolation is one of the most challenging aspects of being a woman and/or a minority in STEM. Identification and removal of systemic bias from our processes as clinical supervisors ensures we can drive inclusion and equality in our workplace environments. In addition, the presentation will utilize empirical research (i.e. conducted by the researchers/presenters) on clinical supervision in the workplace with underrepresented groups combined with the latest electronic polling service system to teach participants how to incorporate electronic surveys/apps to enhance critical discussion during and following clinical supervision in the workplace.</p> <p style="text-align: right;">*CEs offered (1.5)</p>
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SYMPOSIUM

2:15-3:45pm	<p>Suchow, Ariella; McKinley Meghan; & Semerjian, Amy – Boston College</p> <p style="text-align: center;"><i>Science-Theatre as a Site of Transformation: The Research and Design of a Cross-Disciplinary Project for Middle School</i></p> <p>This symposium includes four presentations that share findings from the creation and implementation of a science-focused play for middle school youth. The first and second presentations explore the effectiveness of the science-theatre partnership’s first intervention: an original play about earthquakes written for middle school audiences, through quantitative and qualitative methods, respectively. The third presentation presents an ethnographic analysis of the collaborative efforts between the science and theatre education team, with the goal of sharing the successes and tensions that emerged through the creative production processes. The fourth presentation discusses parallels between professional theatre production processes and engineering processes, which will lay the framework for future work around student-generated science plays.</p>
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3:45pm-4:00pm

BREAK

KEYNOTE WORKSHOP	
<p>4:00pm-5:30pm YAWKEY CENTER MURRAY ROOM</p>	<p style="text-align: center;"><i>Addressing Mental Health and Systemic Barriers: Accompanying Students of Color Along their Educational Journey</i></p> <p>Vanessa Prosper, Ph.D. – Boston Latin School Anmol Satiani, Ph.D. – DePaul University Kevin Henze, Ph.D. – Regis College & US Dept. of Veteran Affairs Marcia Liu, Ph.D. – CUNY-Hunter College</p> <p style="text-align: right;">*CEs offered (1.5)</p>

DIVERSITY CHALLENGE 2018: SATURDAY SCHEDULE

- 8:15am-9:00am** **Registration and Continental Breakfast**
Murray Room, Yawkey Center
- 9:00am-9:15am** **Welcome / Announcements**
- 9:30am-11:00am** ***Concurrent Session III***

Removing Barriers to STEM	
9:30-11:00am	1A. Individual Presentation Cummings, Lawanda; Berkely, Resa; & Drayton, Nicolas - University of the Virgin Islands <i>Building STEM Literacy: Using the Living Laboratory to Bridge Culture, Context and STEM in the USVI Community</i>
	1B. Structured Discussion Robinson-Wood, Tracy; & Tibbitt, Celsea; & Fischer, Laura - Northeastern University <i>Mutedness in STEM: Broaching Fugitive Topics that Perpetuate Exclusion</i>

Building STEM Identities	
9:30-11:00am	<p>2A. Individual Presentation</p> <p>Semerjian, Amy – Boston College</p> <p style="text-align: center;"><i>Science Identity Beliefs of Students Who Are Underrepresented in STEM, Assessed Two Ways</i></p>
	<p>2B. Structured Discussion</p> <p>McQuaid, Erin - Regis College</p> <p style="text-align: center;"><i>Fostering Science Identity of Underrepresented Groups in STEM through Student Involvement</i></p>

Culturally Aware Classrooms	
9:30-11:00am	<p>3A. Individual Presentation</p> <p>Powell, Tiffany; Grindstaff, Kelly; & Jennings, Sybillyn - Rensselaer Polytechnic Intitute</p> <p style="text-align: center;"><i>Putting STEM into Racially/Culturally Diverse Classroom Cultures through Culturally Responsive Approaches</i></p>
	<p>3B. Individual Presentation</p> <p>Shaw, Angela; & Johnsen, Ellen - Iowa State University</p> <p style="text-align: center;"><i>Passion Academy: Empowering Middle School Students of Color in Predominately White Schools</i></p>
	<p>3C. Individual Presentation</p> <p>Bleich, Patricia - Keiser University</p> <p style="text-align: center;"><i>Integration of the Arts and Humanities into the STEM Fields</i></p>

STEM Education with Underrepresented Students	
9:30-11:00am	<p>4A. Individual Presentation</p> <p style="text-align: center;">Swaby, Carlos; & Batt, Michael - Cambridge Public Schools</p> <p style="text-align: center;"><i>Using MI (Multiple Intelligence) to Teach Minority Students</i></p>
	<p>4B. Structured Discussion</p> <p style="text-align: center;">Botelho, Emma; Armagan, Merve; & Ho, Ivy K. - UMASS Lowell</p> <p style="text-align: center;"><i>Rethinking Diversity in STEM: Taking an Intersectional Approach</i></p>

Women of Color’s Experiences in STEM	
9:30-11:00am	<p>5A. Individual Presentation</p> <p style="text-align: center;">Kim, Cindy - University of Iowa</p> <p style="text-align: center;"><i>Experiences of Racialized Emotional Socialization for WOC in STEM at PWI</i></p>
	<p>5B. Structured Discussion</p> <p style="text-align: center;">Watkins, Kira; Pigott, Michelle; Burks, Eddie; & Gottlieb, Jessica - Adler University</p> <p style="text-align: center;"><i>“Do I Belong Here?”: A Critical Review of Implications of Ethnoviolence Towards Black Women in STEM</i></p>

WORKSHOP

9:30-11:00am	<p>Montgomery, Nicholl – Boston College; & Harris, Monique - Cambridge Public Schools</p> <p><i>It's a Family Affair: Using Family Book Clubs as Spaces of Literacy and Liberation</i></p> <p>The purpose of this workshop is to introduce participants to a family book club model being offered in the Boston area. In this workshop, we will discuss how we plan for and facilitate a typical book club. This will include activation activities, discussion questions, and how to use wraparound texts for all ages. Participants will be given an opportunity to create their own wraparound list from their favorite text.</p>
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SYMPOSIUM

9:30-11:00am	<p>Blustein, David; Kenny, Maureen; Erby, Whitney; & Pillai, Sarita – Boston College</p> <p><i>Infusing the Psychology of Working into STEM: Creating Opportunity for All</i></p> <p>Education and training programs in science, technology, engineering and mathematics (STEM) have been known to increase job opportunities for our nation's youth. However, youth who face social and economic marginalization, such as youths of Color and young women, have historically been underrepresented in STEM. This symposium offers three presentations that use a psychology of working perspective for understanding STEM education initiatives targeting youth within the context of the 21st century world of work. Further, we will discuss the future of STEM-related careers more broadly, with a particular focus on how the changing world of work will affect young people who have been historically marginalized.</p> <p>*CEs offered (1.5)</p>
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11:00am-11:10am BREAK

11:10am-11:15am Remarks

INVITED PANEL	
11:15am-1:00pm YAWKEY CENTER MURRAY ROOM	<p style="text-align: center;"><i>Race and Culture: The Current State of STEM Education</i></p> <p>Lillie Albert, Ph.D. – Boston College Erica Bullock, Ph.D. – University of Wisconsin-Madison Patricia Poitevien, MD, MSC – Brown University Medical School</p> <p style="text-align: right;">*CEs offered (1.5)</p>

POSTER SESSION II LUNCHEON

1:00pm-2:00pm

MURRAY ROOM / YAWKEY CENTER

Andrews, Veronica; & Bullock, Kim – Georgetown School of Medicine
Linkage to Care Module for Achieving Equitable Outcomes in Institutional Sexual Misconduct Cases

Bell, Tyronn – University of Indianapolis
Addressing Barriers to Success for African American Boys in STEM Fields

Gonzalez, Laura; & Hailes, Helen – Boston College
Navigating Power: Domestic Violence Advocates' Roles as Empowerment Facilitators versus Mandated Reporters

Meyer, Kayla - Chestnut Hill College
From the Start: Using Social Psychology to Tackle Gender Bias in STEM

Nitta, Mika – Private Practice
Risks of Use of American Standardized Psychological Assessment Tools with Minorities

Swaby, Carlos – Cambridge Public Schools
The Real Cost Of Dropping Out of School

2:15pm-3:45pm

Concurrent Session IV

Women of Color’s STEM Identity	
2:15-3:45pm	<p>1A. Individual Presentation</p> <p>Cummings, Lawanda - University of the Virgin Islands; & Burns, Tantians - Claflin University</p> <p style="text-align: center;"><i>Competent but Confused : The Unclear Path to STEM Success for Black Female Students</i></p>
	<p>1B. Structured Discussion</p> <p>Manosalvas, Kiara - Teacher's College; & Dunne, Courtney – Boston College</p> <p style="text-align: center;"><i>Reframing What a Scientist Looks Like: Empowering Queer Women of Color in STEM</i></p>

Students’ Path to STEM	
2:15-3:45pm	<p>2A. Individual Presentation</p> <p>Cooper, Marty; & Jung, Seojung - SUNY Old Westbury</p> <p style="text-align: center;"><i>Utilizing STEM Funding to Develop Graduate Counseling Students</i></p>
	<p>2B. Structured Discussion</p> <p>Howerton-Orcutt, Amanda; & Robinson, Jennifer - Salem State University</p> <p style="text-align: center;"><i>Student Perceptions of Major Life Stressors, Discrimination, and Coping Mechanisms</i></p>

STEM Encouragement	
2:15-3:45pm	<p>3A. Individual Presentation Power, Gillian; Klein, Megan; Szczesny, Lauren; Cobb, Alex; & Moquin, Marissa – Springfield College</p> <p style="text-align: center;"><i>Busting Up Bias: Quantifying Implicit Bias in the Springfield College Community</i></p>
	<p>3B. Individual Presentation Randle, Dwight; Buettner, Jill; & Baggett, Jennifer - Richland College</p> <p style="text-align: center;"><i>Research Skills Boot Camp: Community College to STEM Career & Beyond for Underserved Minorities</i></p>

Intersectional Microaggressions in STEM	
2:15-3:45pm	<p>4A. Individual Presentation Wilkins-Yel, Kerrie - Indiana University</p> <p style="text-align: center;"><i>Scale Development and Validation of the STEM Gender-Racial Microaggression Scale</i></p>
	<p>4B. Structured Discussion Scott, Ashley - Ohio University</p> <p style="text-align: center;"><i>Black Women’s Experiences with Gendered Racial Microaggressions and Strategies for Resilience</i></p>

Practical Pathways to STEM	
2:15-3:45pm	<p>5A. Individual Presentation</p> <p>Christensen, Kirsten – UMASS Boston</p> <p style="text-align: center;"><i>Youth Success STEM-ing from the Arts: A Case for Urban Arts Programs</i></p>
	<p>5B. Structured Discussion</p> <p>Robbins, Sarah – District 1199C Training & Upgrading Fund; & Tucker, Roosevelt – Philadelphia Academies, Inc.</p> <p style="text-align: center;"><i>Increasing Urban High Schoolers' STEM Persistence Through Project-Based, Work-Based Learning</i></p>

WORKSHOP

2:15-3:45pm	<p>Siler, Don - University of St. Joseph</p> <p style="text-align: center;"><i>Digital Narratives and Storytelling: Engaging Technology, Culture, and Content</i></p> <p>Students of Color (Black/Latinx in this case) are underrepresented in STEAM fields for myriad reasons. One of the central reasons may coincide with why these students also suffer unequal outcomes in other areas of education. Black and Latinx students often cite disconnects between the cultures of their teachers and themselves as a barrier to their educational success. This is compounded when those disconnects foster latent biases towards these students that may result in lowered expectations and not being encouraged to pursue a future in highly rigorous and competitive STEAM fields. In this session, we will explore one particular method that has the potential to benefit students technologically, culturally, and in the broader educational context.</p> <p style="text-align: right;">*CEs offered (1.5)</p>
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3:45pm-4:00pm BREAK

KEYNOTE WORKSHOP	
4:00pm-5:30pm YAWKEY CENTER MURRAY ROOM	<p><i>How Race Matters in Organizations: What You Do Affects Recruitment, Retention, and Productivity</i></p> <p>Janet E. Helms, Ph.D. – Boston College Carlton Green, Ph.D. – University of Maryland</p> <p style="text-align: right;">*CEs offered (1.5)</p>