



## Southeast Regional Meeting on Upper-Division Math Pathways

Morehouse College

Bank of America Auditorium

Shirley A. Massey Executive Conference Center

June 10-11, 2019

### Objectives

This meeting will focus on developing math pathways for undergraduate students at the upper-division level to respond to regional workforce needs and for graduate school preparation. Participants will

- enhance their understanding of evolving career opportunities for mathematics graduates, interacting with and learning from representatives of business, industry and government (the BIG jobs);
- enhance their knowledge of expectations of mathematical sciences graduate programs;
- explore aspects of upper-division mathematics pathways - updating curricula and programs, soliciting resources and support, forming partnerships - as relevant to their own institutions' characteristics and missions.

### Agenda

#### Monday, June 10

- 8:30-9:00     *REGISTRATION, COFFEE AND INFORMAL MINGLING*
- 9:00-9:45     **Welcome – David Thomas**, President, Morehouse College; **Duane Cooper**, Math Department Chair, Morehouse College; **Naiomi Cameron**, Vice President, National Association of Mathematicians (NAM)
- About TPSE Math and Upper-Division Pathways – Tara Holm**, TPSE Math and **Suzanne Weekes**, Worcester Polytechnic Institute
- 9:45-11:00    **Alumni Panel**  
Moderator: **Nathan Alexander**, Morehouse College  
**William Dula** (Morehouse) Clark Atlanta University & Southern Company  
**Dorian Kandi** (Morehouse), Federal Home Loan Bank of Atlanta  
**Travell Williams** (Morehouse), Analytics Specialist, Delta Airlines  
**Zerotti Woods** (Morehouse), University of Georgia  
**Asia Wyatt** (Spelman College), University of Maryland
- 11:00-11:30    *BREAK*
- 11:30-1:00    **Student Success Panel:** preparing students for BIG jobs or grad school  
Moderator: **Renee Moore**, Emory University
- Business: **Travell Williams**, Delta Airlines
  - Industry: **William Cousins**, Senior Data Scientist, Tampa Bay Rays
  - Government: **Darius McDaniel**, CDC/Emory
  - Grad school: **Malcolm Adams**, University of Georgia
  - Grad school: **Prasad Tetali**, Georgia Tech

1:00-2:00 LUNCH

2:00-3:15 **Panel on Approaches to Program Development**  
Moderator: **Asamoah Nkwanta**, Morgan State University

- **Bree Ettinger**, Emory University
- **Tor Kwembe**, Jackson State University
- **Rachel Levy**, Mathematical Association of America
- **Chuang Peng**, Morehouse College

3:15-3:30 **Introduction to Breakout Sessions – Monette McIver**, Dana Center

3:30-3:45 BREAK

### BREAKOUT SESSION 1

3:45-5:15 **Topics** (each participant will be pre-assigned to one topic):

- **Curricular Change in Math Departments:** “selling” new ideas within the department; processes, obstacles, opportunities  
Facilitators: **Joe Omojola & Bill Velez**
- **Building External and Internal Support:** administrations, boards, alumni, funders, employers  
Facilitators: **Tasha Inniss & Bourama Toni**
- **Program Design:** courses, minors, certificates; content and pedagogical challenges; understanding graduate school and industry needs  
Facilitators: **Brittany Mosby & Suzanne Weekes**

6:00-8:30 RECEPTION AND DINNER, Paschal’s, 180 Northside Drive SW, Atlanta

### Tuesday, June 11

8:00-8:30 COFFEE AND INFORMAL MINGLING

8:30-9:15 **Presentation on Data and Research to Inform Decision-Making**  
**Heather McKay**, Director & **Renée Edwards**, Senior Researcher, Education and Employment Research Center, Rutgers University

### BREAKOUT SESSION 2

9:30-11:00 **Topics and facilitators will be the same as in Breakout Session 1.**  
*Participants may remain in their initial group or select a different one.*

### SHARING AND SYNTHESIS

11:00-11:15 **Preparation for Gallery Walk; REFRESHMENTS AVAILABLE**

11:15-12:15 **Gallery Walk, Sharing and Synthesis**

12:15-12:30 **Closing remarks – Brit Kirwan**, TPSE Math