

Toward a Shared Vision for Supporting the Mathematics Identities of Students and Educators from Historically Underrepresented Communities

Organized by Brianna Donaldson (AIM), David Crombecque (USC/AIM), Alessandra Pantano (UC Irvine), Roberto Pelayo (UC Irvine), and Robin Wilson (Loyola Marymount University)

September 8-10, 2023
The American Institute of Mathematics
Pasadena, CA

Workshop Schedule (includes slides from talks)

Friday, September 8

2:30 - 4:30 p.m. Networking Event for L.A.-Area Participants

5:00 - 8:00 p.m. Opening Session and Banquet

Welcome and Opening Remarks

Participant Introductions

Opening Talks:

- Shelly Jones, Benjamin Banneker Association
[*The role of culturally relevant teaching in supporting the mathematics identities of students and educators from historically underrepresented communities*](#)
- Teresa Mooney, Beyond100K
[*A collective-impact approach to increasing sense of belonging in STEM for students and educators from historically underrepresented communities*](#)

Saturday, September 9

8:00 - 8:30 a.m. Continental Breakfast

8:30 - 10:30 a.m. Overview Talks: Mathematics Identity

- Jamaal Matthews, University of Michigan
[*Supporting the mathematics identities of Black and Latinx students through belonging-centered instruction*](#)
- Claudia Rodriguez-Solorio, AIM
Supporting the mathematics identities of Latinx students

- Belin Tsinnajinnie, WestEd
Supporting mathematical identities through Indigenous perspectives
- Matt Voigt, Clemson University
[Supporting the mathematics identities of LGBTQ+ students](#)

10:30 - 11:00 a.m. Break

11:00 - 12:15 p.m. Lightning Talks

Two sets of 5-minute talks, with a short break between sets.

- Brian P. Katz, CSULB
[We need all kinds of criticality](#)
- Ron Buckmire, Occidental College
[The intersection of LGBTQ identity and mathematics is not empty](#)
- Francis Su, Harvey Mudd College
[Formative reflections](#)
- Kossi Edoh, NC A&T State University
[Ensuring equity in underrepresented minorities assessment](#)

~Break~

- Daniel Kline, Julia Robinson Mathematics Festival
[Building community through Math Festivals](#)
- Vera Furst, Fort Lewis College
NSF-INCLUDES STEM Core Program at Fort Lewis College
- Edray Goins, Pomona College
[PRiME: Pomona Research in Mathematics Experience](#)
- Alessandra Pantano, UC Irvine
[Math CEO: A Journey towards a Culturally Responsive Afterschool Program](#)
- James Taylor, MathAmigos
[School district-wide Math Wrangles and competitions](#)
- Brittany Marshall, Rutgers University / UCSB
[Identifying and disrupting traditional math logics to create more equitable classrooms](#)

12:15 - 1:30 p.m. Lunch

- 1:30 - 3:00 p.m. Breakout Groups: Problem Posing**
Participants join a group corresponding to their primary area of interest/focus, to share about their work and generate questions and problems for discussion.
- 3:00 - 3:30 p.m. Break**
- 3:30 - 5:00 p.m. Working Groups**
Working groups will discuss questions from the problem-posing session.
- 5:00 p.m. Happy Hour at AIM and Dinner in Pasadena**
AIM will make a selection of dinner reservations for small groups so you can sign up to go to dinner with others from the workshop.

Sunday, September 10

- 8:00 - 8:30 a.m. Continental Breakfast**
- 8:30 - 10:00 a.m. Overview Talks: The Mathematics Education Ecosystem**
- Darryl Yong, Harvey Mudd College
[*Developing K-12 teachers' mathematics identities*](#)
 - Brianna Donaldson, AIM
[*Joyful mathematics as infrastructure for change*](#)
 - Dave Kung, UT Austin
[*The stories we tell ourselves & each other – Implications for systemic change and equity*](#)
- 10:00 - 10:45 a.m. Lightning Talks**
- David Crombecque, USC/AIM
[*Math on the Border*](#)
 - Robin Wilson, Loyola Marymount University
[*Math microaggressions*](#)
 - Donna Fernandez, Alliance of Indigenous Math Circles
[*Alliance of Indigenous Math Circles*](#)
 - Doug O’Roark, Math Circles of Chicago
[*Math Circles of Chicago*](#)
 - Jacob Castaneda, Bridges to Enter Advanced Mathematics BEAM
 - Katey Arrington, NCSM
[*My teacher thought I was smarter than I was, so I was: Tracking, pathways, and students' sense of belonging in STEM*](#)
 - Aris Winger, Georgia Gwinnett College
[*Narrative interruption in making transformative impact in mathematics*](#)

- Sara Rezvi, Math Circles of Chicago / University of Illinois Chicago
[Choosing the path of wandering - a reflection from a math traveler](#)

10:45 - 11:15 a.m.

Break

11:15 a.m. - 12:30 p.m.

Continue Working Groups

12:30 - 1:30 p.m.

Working Lunch

Group reports, discussion of next steps, and closing.