



JOIN US AT THE
JMM 2018!



MATH CIRCLE EVENTS AT JMM 2018

Wednesday January 10

- 10:15 am - 10:40 am: MAA General Contributed Paper Session on Outreach, I
- 2:15 pm - 4:15 pm: MAA Minicourse: Part A (Preregistration required)

Thursday January 11

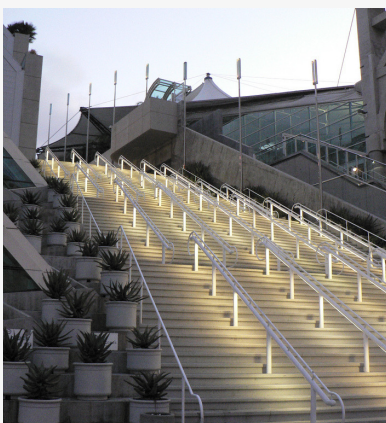
- 9:00 am - 11:55 am: MAA Session on Math Circle Topics with Visual or Kinesthetic Components, I
- 10:15 am - 11:55 am: MAA General Contributed Paper Session on Outreach, II
- 1:00 pm - 3:15 pm: MAA Session on Math Circle Topics with Visual or Kinesthetic Components, II
- 1:00 pm - 4:15 pm: MAA Session on Innovative Mathematical Outreach in Alternative Settings
- 5:00 pm - 7:00 pm: Math Circles Reception

Friday January 12

- 1:00 pm - 1:50 pm: MAA Lecture for Students | HOW MANY DEGREES ARE IN A MARTIAN CIRCLE? And other human (and non-human) questions one should ask about everyday mathematics.
- 1:00 pm - 3:00 pm: MAA Minicourse: Part B (Preregistration required)
- How to Run Successful Math Circles for Students and Teachers

Saturday January 13

- 10:00 am - 10:50 am: MAA Interactive Lecture for Students and Teachers | Mathematics to the rescue how to fold a tie.
- 11:00 am - 12:30 pm: SIGMAA on Math Circles for Students and Teachers
- 1:00 pm - 2:30 pm: SIGMAA on Math Circles for Students and Teachers (SIGMAA MCST) Special Presentation | Math Circle Demonstration



THURSDAY, JANUARY 11

9:00 AM - 11:55 AM

MAA Session on Math Circle Topics with Visual or Kinesthetic Components, I

Room 31B, Upper Level, San Diego Convention Center

Organizer:

Amanda Katharine Serenevy, Riverbend Community Math Center

9:00 am

Simon Says, Four Gallons.

Sharon Lanaghan, California State University, Dominguez Hills

9:20 am

Creating and Justifying Platonic Solids.

Judith Covington, LSU Shreveport

9:40 am

Snapology Origami: Folding and Snapping Your Way to Geometry, Topology, Art, and More.

David Honda, Marshall Middle School, San Diego, CA

Yana Mohanty, Imathgination LLC

David Patrick, Art of Problem Solving

10:00 am

Realizing Seifert Surfaces and More!

Whitney George, University of Wisconsin- La Crosse

10:20 am

Mathematical Modeling in 3-5th Grade Math Circle.

Jenna Tague, California State University, Fresno

10:40 am

Knotted mathematics for elementary-aged students.

Mark C Hughes, Brigham Young University

11:00 am

Nim-like games with 2D boards.

Maria S. Nogin, California State University, Fresno

Adnan H. Sabuwala, California State University, Fresno

Jenna Tague, California State University, Fresno

11:20 am

Ready, Set, Eureka!

Joie F. Escudro, Juniata College

11:40 am

Let's get cracking: Russian egg roulette.

Frederick A Peck, University of Montana

Matt B Roscoe, University of Montana

1:00 PM - 3:15 PM

MAA Session on Math Circle Topics with Visual or Kinesthetic Components, II

Room 31B, Upper Level, San Diego Convention Center

Organizer:

Amanda Katharine Serenevy, Riverbend Community Math Center

1:00 pm

Islamic Geometric Pattern: Point-Construction Method.

Rebin A. Muhammad, Ohio University

1:20 pm

Spatial Reasoning at the Central Oklahoma Math Circle.

Erica Bajo Calderon, University of Central Oklahoma

Liz Lane-Harvard, University of Central Oklahoma

Carol Lucas, University of Central Oklahoma

1:40 pm

Teaching Group Theory Through Twisty Puzzles.

Jameson C Hardy, Dixie State University

2:00 pm

Barbie Bungee: Multivariable Edition.

Thomas J Clark, Dordt College

2:20 pm

Groups, Symmetries, and Dancing.

Javier Alfredo Ronquillo Rivera, Ohio University

2:40 pm

A simple construction problem.

Russell A Gordon, Whitman College

3:00 pm

Counting and symmetry in conceptual art.

Joshua P. Bowman, Pepperdine University

THURSDAY, JANUARY 11

1:00 PM - 4:15 PM

MAA Session on Innovative Mathematical Outreach in Alternative Settings

Room 31C, Upper Level San Diego Convention Center

Organizers:

Hector Rosario, Gwinnett County Public Schools, South Gwinnett High School

Jennifer Switkes, California State Polytechnic University, Pomona

1:00 pm

The Alliance of Indigenous Math Circles.

Tatiana Dezbah Shubin, San Jose State University

1:20 pm

Kittitas Valley Math Circle: Circling parents, guardians, and other adults to join in their student's Math Circle experience.

Brandy S. Wieggers, Central Washington University

1:40 pm

Julia Robinson Mathematics Festivals---An Alternative to Competition.

Mark Saul, Julia Robinson Mathematics Festival, a program of AIM

Nancy Blachman, Julia Robinson Mathematics Festival

2:00 pm

Initial outcomes and lessons from the International Mathematics Enrichment Project (IMEP).

Catherine Paolucc, SUNY New Paltz

Helena Wessels, Stellenbosch University

2:20 pm

Advanced, underserved students: strategies for program design.

Daniel Zaharopol, The Art of Problem Solving Initiative, Inc.

Ruthi Hotsch, The Art of Problem Solving Initiative, Inc.

2:40 pm

St. Mary's GED: Mathematics Underpinning GED Education.

Caleb C Moxley, Birmingham-Southern College

3:00 pm

Teaching Math in Prison: Observations from the Cornell Prison Education Program.

Robert Scott, Cornell University

3:20 pm

Math Outreach at Graterford State Correctional Institution.

Katie Haymaker, Villanova University Department of Mathematics and Statistics

Beth Malmskog, Colorado College Department of Mathematics and Computer Science

3:40 pm

An Iranian woman studying in a historical black university teaches College Algebra in prison

Zeinab Bandpey, Morgan State University

4:00 pm

Advising undergraduate research in prison, what worked and what didn't work.

Branden Stone, Adelphi University

FRIDAY, JANUARY 12

1:00 PM - 1:50 PM

MAA Lecture for Students

HOW MANY DEGREES ARE IN A MARTIAN CIRCLE? And other human (and non-human) questions one should ask about everyday mathematics.

Room 6C, Upper Level, San Diego Convention Center
James Tanton, Mathematical Association of America

SATURDAY, JANUARY 13

10:00 AM - 10:50 AM

MAA Interactive Lecture for Students and Teachers Mathematics to the rescue - how to fold a tie.

Room 6C, Upper Level, San Diego Convention Center
Presenters:
James Tanton, MAA

11:00 AM - 12:30 PM

SIGMAA on Math Circles for Students and Teachers

Math Wrangle

Room 6D, Upper Level, San Diego Convention Center
Organizers:
Ed Keppelmann, University of Nevada Reno
Phil Yasskin, Texas A&M University

1:00 PM - 2:30 PM

SIGMAA on Math Circles for Students and Teachers(SIGMAA MCST) Special Presentation Math Circle Demonstration

Room 6D, Upper Level, San Diego Convention Center
Organizers:
Alessandra Pantano, University of California Irvine
Amanda Serenevy, Riverbend Community Math Center

RELATED EVENTS

MAA General Contributed Paper Session on Outreach, I

Room 28D, Upper Level, San Diego Convention Center
Wednesday January 10
10:15 am - 10:40 am

MAA General Contributed Paper Session on Outreach, II

Room 28E, Upper Level, San Diego Convention Center
Thursday January 11
10:15 am-11:55 am

The Impact of Math Teachers' Circles on Persistence, Confidence, and Implementation of Inquiry-based Learning for K-12 Teachers.

Thursday January 11
10:30 am

Rita M Patel, College of DuPage, Glen Ellyn, IL
Amanda Harsy, Lewis University
Dave Klanderma, Trinity Christian College

Exhibit Hall

Wednesday 12:15 pm - 5:30 pm
Thursday 9:30 am - 5:30 pm
Friday 9:30 am -5:30 pm
Saturday 9:30 am -12:00 pm

MAA MINICOURSE

How to Run Successful Math Circles for Students and Teachers

(Preregistration required)

Wednesday January 10

2:15 pm - 4:15 pm

Room 28B, Upper Level, San Diego Convention Center

Friday January 12

1:00 pm - 3:00 pm

Room 28B, Upper Level, San Diego Convention Center

Presenters:

Jane Long, Stephen F. Austin State University and National Association of Math Circles

Brianna Donaldson, American Institute of Mathematics

Gabriella Pinter, University of Wisconsin-Milwaukee

Diana White, University of Colorado Denver and National Association of Math Circles