MOVES Conference events will be held August 6 - 8, 2017 at the following locations:
The National Museum of Mathematics, 11 East 26th Street
The Graduate Center, CUNY
5th Avenue between 34th and 35th Streets

Welcome researchers, educators, and families to the 2017 MOVES Conference, hosted by the National Museum of Mathematics! MoMath is pleased to acknowledge MOVES sponsor:

TWO SIGMA

Sunday Afternoon

Math Walk in the Park
Meet in Additions, the shop at MoMath
2:00-3:00 OR 4:00-5:00
A Mathematical Walk in Madison Square Park (All ages)
Ron Lancaster, University of Toronto

Sunday Evening

Open House and Dessert Reception at MoMath
6:30 Museum open for conference attendees only; early registration begins.
Enjoy more than three dozen unique, hands-on MoMath exhibits without the crowds!
Plus: Karl Schaffer will lead attendees in hands-on string demonstrations to show surprising mathematical connections.
Plus: Bob Bosch will share the beauty of the magic-numbered icosahedral dice that will be found in the conference bags of all full registrants.
Plus: Enjoy the mathematical magic of Colm Mulcahy!
7:45 Dessert reception, Wafels & Dinges.
9:00 Reception ends.

Research Talks
MoMath is pleased to host 32 research talks over the course of the conference.
For the research track, follow the blue listings in the program.

Mathematical Activities
MoMath is happy to provide a change of pace with 22 guided mathematical activities.
For the activity track, follow the yellow listings in the program.
**Monday Morning**

**Conference Kick-Off**
Proshansky Auditorium, The Graduate Center, CUNY

8:30-9:15  Registration
9:15-9:25  Welcome
Cindy Lawrence, Executive Director and CEO, National Museum of Mathematics
9:25-9:35  Opening remarks
John Overdeck, Co-Chairman, Two Sigma Investments
9:35-10:35  Opening keynote
Persi Diaconis, Mary V. Sunseri Professor of Statistics and Mathematics, Stanford University

**Monday Afternoon**

**Proshansky Auditorium, The Graduate Center, CUNY**

**Monday Morning activities on next page.**
Monday Evening

5:15  Conference Dinner – The Graduate Center, CUNY - Pre-registration required

Proshansky Auditorium, The Graduate Center, CUNY

Monday Night MOVES
7:00 PM

Math in Unexpected Places
Colin Wright returns to delight us with a brief demonstration of how math emerges unexpectedly from the ancient art of juggling

“Love Varies by Degrees”
A musical skit performed by Joe Agueci, Marilyn McGrover, and Paul Padua

Mathemagic
Math and magic with Art Benjamin

Keep the magic of math going all year long!
Join MO-MATH today!

Monday Afternoon (continued)

The Graduate Center, CUNY, C205
3:05-3:50  Introduction to the Game of SET
Ken Collins
Charlotte Latin School

The Graduate Center, CUNY, C205
4:00-4:30  Rolling Cube Puzzles
(Elementary and middle school)
Kira Zelbo
Brearley School

The Graduate Center, CUNY, C205
4:30-5:15  Mathematical Explorations and Visualizations with Processing
Roger Antonsen
University of Oslo

5:15  Conference Dinner – The Graduate Center, CUNY - Pre-registration required

Tuesday Morning

Proshansky Auditorium, The Graduate Center, CUNY
9:15-10:15  Keynote speaker
Manjul Bhargava
R. Brandon Fradd Professor of Mathematics
Princeton University

10:15-10:45  Coffee Break: Mix and mingle with Manjul Bhargava

The Graduate Center, CUNY, C198
10:45-11:45  Binary Bugs
Melissa Silk
University of Technology Sydney

The Graduate Center, CUNY, C205
10:45-11:15  The Art of Cryptography
(All ages)
Elana Reiser
St. Joseph’s College

11:15-11:45  Optimal Strategies for Straights in Yahtzee
John McSweeney
Rose-Hulman Institute of Technology

12:10-1:25  Lunch, on your own; see deals and discounts at back of program.

The Graduate Center, CUNY, C201/202
10:45-11:10  Chutes or Ladders
Darren Glass
Gettysburg College

11:10-11:45  Rectilinear and Polyomino Knot Projections
Joseph Malkevitch
York College (CUNY)

11:25-12:10  Fun with Fillomino
Walker Anderson
Central Bucks West High School

The Graduate Center, CUNY, C201/202
12:15-12:30  Lunch, on your own; see deals and discounts at back of program.
The National Museum of Mathematics wishes to thank the following MOVES supporters:

![TWO SIGMA]

- Alexander Scott Graphics, Inc.
- American Mathematical Society
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- The Graduate Center, CUNY
- ITSPHUN
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- math 4 love
- Princeton University Press
- Product of Design
- Tessellations (The Dice Lab)
- ThinkFun

MOVES Conference Committee

- Josh Laison, Willamette University
- Robert W. Vallin, Lamar University
- Cindy Lawrence, Executive Director & CEO, MoMath
- Bruce Bayly, University of Arizona
- Tim Chartier, Davidson College
- Tanya Khovanova, MIT
- Ron Lancaster, University of Toronto
- Tony Nance, Ohio State University
- Lamar Widmer, Messiah College
Recommended eateries near CUNY
Show your MOVES badge to receive the following discounts:

Alidoro - 18th E. 39th St. between 5th & Madison Aves - Italian sandwich shop, coffee & tea - 10% off
Bedford & Co. - 118 E. 40th St. between Park & Lexington Aves (inside Renwick Hotel) - American restaurant - $5 off
Bravo Pizza - 107 W. 37th St. between 6th Ave & Broadway - Kosher pizza & salad - Buy one slice, get one slice (of equal or lesser value) free with purchase of soda
Brickoven Pizza 33 - 489 3rd Ave between 33rd & 34th Sts - Thin crust, brick oven pizza - Buy 2 slices, get one 16 oz. soda free
Cask Bar & Kitchen - 167 E. 33rd St. between Lexington & 3rd Aves - American restaurant - 10% off in the dining room
Croton Reservoir Tavern - 108 W. 40th St. between 6th Ave & Broadway - Modern American cuisine & bar - 15% off
Eden Wok - 43 E. 34th St. between Madison & Park Aves - Kosher Chinese & sushi platters - 25% off in store
Frankie Boy’s Pizza - 1367 Broadway between 36th & 37th Sts - Italian pizza, pasta, & salads - Buy one slice, get one slice (of equal or lesser value) free with purchase of soda
Gong Cha - 75 W. 38th St. between 5th & 6th Aves - Bubble tea - 20% off drink purchase (except between 12 - 2 pm)
Juice Healthy Food & Drink - 156 E. 33rd St. between Lexington & 3rd Aves - Health-focused juice bar & smoothies, sandwiches & wraps - Buy one smoothie or juice, get the second 50% off
Oaxaca Taqueria - 152 E. 33rd St. between Lexington & 3rd Aves - Fresh, organic, sustainable Mexican - 10% off
Piccolo Cafe - 238 Madison Ave between 37th & 38th Sts - Italian restaurant, homemade pasta, panini & specialty coffee - 20% in store
Slattery’s Midtown Pub - 8 E. 36th St. between 5th & Madison Aves - Irish pub & sports bar - 12% off lunch special with complimentary drink (drink/mixed drink/beer/wine between 11am - 3pm, 20% off all food 3pm - midnight
Two Boots - 337 Lexington Ave between 37th & 38th Sts - NYC pizza with quirky Cajun toppings - Free soda or bottled water with either purchase of 2 slices of pizza OR purchase of Traditional Jambalaya (gluten free)
Untamed Sandwiches - 43 W. 39th St. between 5th & 6th Aves - Inventive sandwiches & sustainability - Free lemonade, iced tea, or coffee with purchase of a sandwich, salad, plate, or breakfast sandwich

Recommended eateries near MoMath
Show your MOVES badge to receive the following discounts:

Belgian Beer Cafe - 220 5th Ave at the corner of 26th St. - Belgian cuisine & expert beer pairings - Free draft beer with the purchase of an entree
Byblos Restaurant - 80 Madison Ave between 28th & 29th Sts - Modern Lebanese cuisine - 10% off
Gong Cha - 12 W. 32nd St. between Broadway & 5th Ave - Bubble tea - 20% off drink purchase (except between 12 - 2 pm)
No. 7 Sub - 1188 Broadway (inside Ace Hotel) - Modern, hip gourmet sandwich shop - 10% off
Spice Symphony - 182 Lexington Ave between 31st & 32nd Sts - Indian & Chinese fusion - 20% off (tax and tip excluded)
Save the date!

August 4-6, 2019