

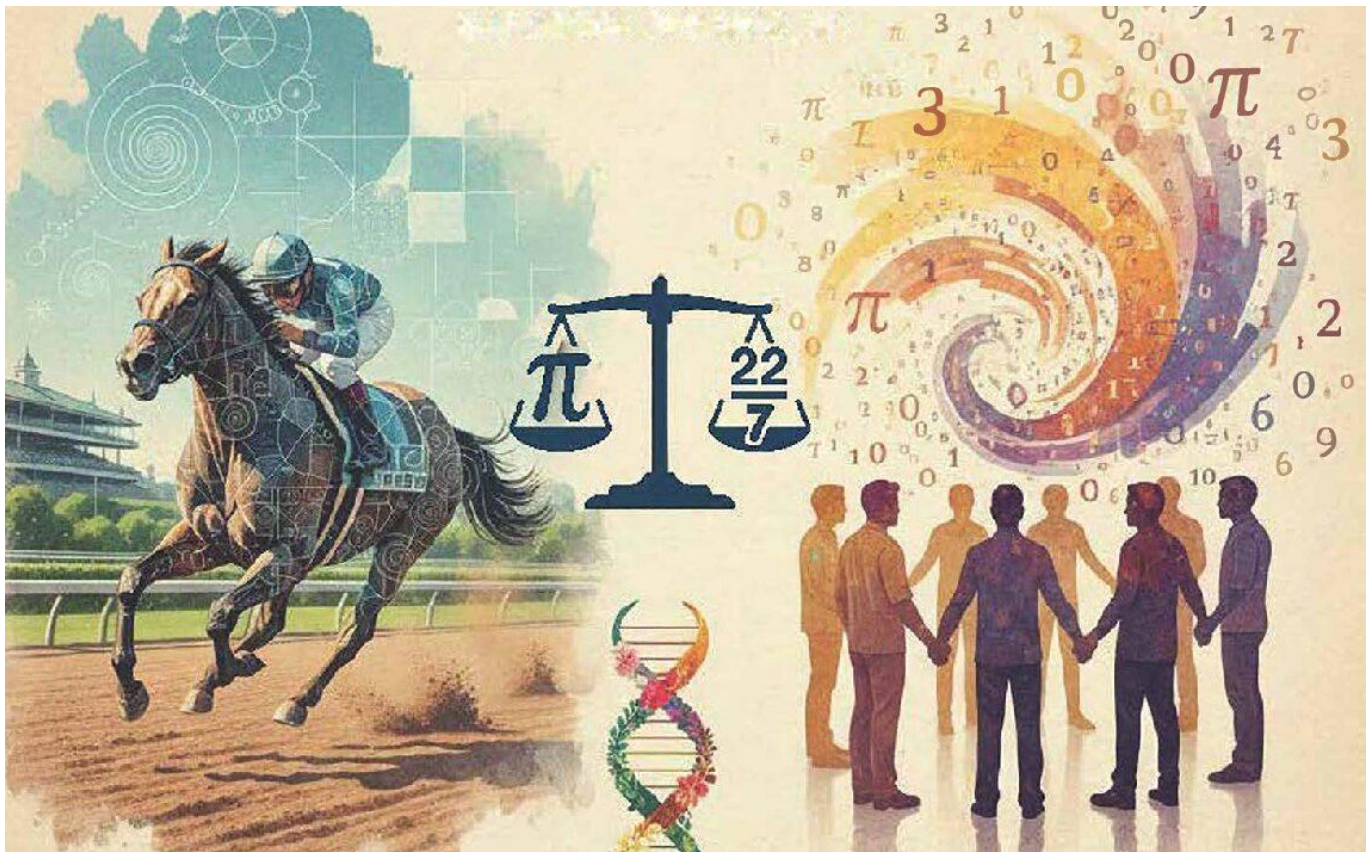


MATYC  NN

NYS  MATYC

2026 AMATYC Northeast Regional Conference

BALANCE, BELONGING & THE BEAUTY OF NUMBERS



April 24-25, 2026
Saratoga Springs, NY

Acknowledgements

The Executive Boards of the AMATYC Northeast Affiliates wish to thank the following colleges, organizations, companies, and individuals for their services, sponsorship, and support during this event and this past year:

Thank you to The Gideon Putnam for hosting the event and especially to Meg Bell for her hard work and invaluable help with event facilitation.

A big thank you to AMATYC for sponsoring this conference, helping with the promotion of the event, providing conference bags and giveaway items. Many thanks to Debbie Rimkus, AMATYC Executive Director, for sharing creative ideas and resources.

Thanks to MATYCONN, NEMATYC, and NYSMATYC who organized this inaugural AMATYC Northeast Regional Conference.

Thank you to the conference committee for the many hours of work for the coordination of this event: Sophia Georgiakaki, Chris Yuen, Brian Milleville, Philomena D'Alessandro, Nick Stugard, Sue Lounsbury, and Suchi Amritkumar.

Many thanks to Tompkins Cortland Community College, Nassau Community College, Erie Community College, and Nick Stugard for providing AV equipment.

Thanks to Erie Community College for the printing of this program.

A very special **THANK YOU!** to our vendors:

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2026 AMATYC Northeast Regional Conference Program

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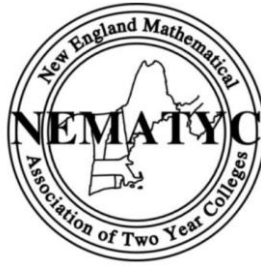
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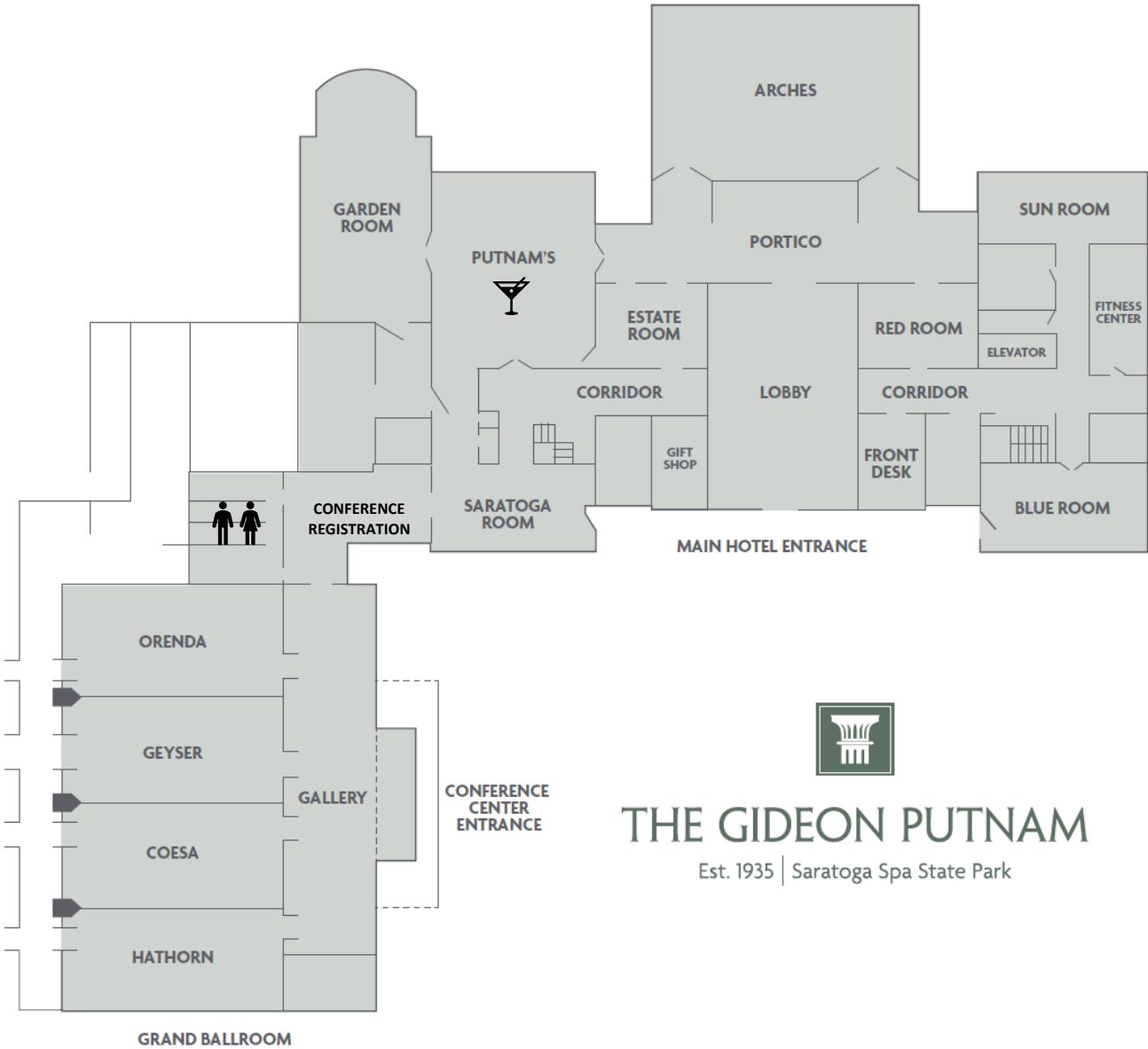
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AMATYC Northeast Regional Conference

Conference Space and Facilities






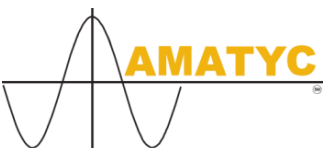




THE GIDEON PUTNAM

Est. 1935 | Saratoga Spa State Park





AMATYC Northeast Regional Conference – Program Summary

<i>Friday Afternoon / Evening</i>						
11:00 – 5:00	Conference Registration					
Rooms:	GEYSER		COESA		HATHORN	
1:00-1:50	1	Teaching the Collatz Conjecture in Math Courses from the First Two Years of College <i>Alex Atwood</i> <i>SUNY Suffolk</i>	2	Enhancing Student Learning with Community Based Research <i>Larry Danforth</i> <i>Jefferson CC</i>	3	9/11: Forensic Mathematics and the World Trade Center Project <i>Jonathan Hoyle</i> <i>Carnegie Mellon U</i>
2:00-2:50	4	GeoGebra, Visualization, and Student Confidence: Lessons from a Calculus III Study at a Hispanic-Serving Institution <i>Tanvir Prince</i> <i>Hostos CC</i>	5	Algebraic Instructions for Future Academic Success <i>Natalya Vinogradova</i> <i>Plymouth State U</i>	6	Baseball in Our Math classes! <i>Steve Krevisky</i> <i>CT State Middlesex</i>
2:50-3:20	<p style="text-align: center;">Dedicated Exhibit Time – Gallery <i>Coffee Break</i></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div>					















AMATYC Northeast Regional Conference – Program Summary

Friday Afternoon / Evening

Rooms:	GEYSER	COESA	HATHORN
3:20-3:45	7 Visualizing the Relationship Between Velocity and Acceleration Vectors (and more) using CalcPlot3D <i>Paul Seeburger Monroe CC</i>	8 The History and the Logic Behind P-value, Hypothesis Tests, and Mathematical Likelihood <i>Eiki Satake Emerson College</i>	9 From Correction to Connection: Creating Belonging in Mathematics Education <i>Marta Szpak Suffolk CC</i>
3:50-4:15	10 Creating Accessible Math PDFs using Overleaf <i>Paul Seeburger Monroe CC</i>		11 3:50 – 4:40 Creating Balance and Belonging Through the Beauty of Numbers: Math Club on Our Campus <i>Jay Hurlburt Julie Croteau Corning CC</i>
4:20-4:45	12 Improving MATH0010 Student Success at Johnson & Wales University <i>Jerelyn Pimentel Johnson and Wales U</i>		
4:50 – 5:20	NYSMATYC Executive Board Meeting – Sun Room		
5:00-6:00	 Social Hour Putnam’s Restaurant 		
6:00-8:00	13	Awards Dinner (Ticket Required) – Orenda Keynote Presentation Seconds of our Lives: Adopting a Calculus Mindset to Experience More Happiness in Life <i>Sunil Singh & Raya Singh</i>	
8:00-9:00	14	Game Night – Orenda Puzzles! Puzzles! Puzzles! <i>Larry Danforth & Jay Hurlburt</i>	





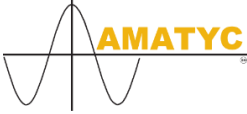



AMATYC Northeast Regional Conference – Program Summary

Saturday Morning

7:00	Estimation Run/Walk – Meet in the Lobby					
8:00 – 5:00	Conference Registration & Evaluation					
8:00 – 9:00	Saturday Breakfast Buffet - Orenda					
Rooms:	GEYSER		COESA		HATHORN	
9:00-9:50	15	<p>Leveraging Cengage Unlimited to Close the Mathematics Readiness Gap across the Curriculum via WebAssign <i>Dr. Dale Dawes</i> Borough of Manhattan CC <i>Kristin Keesser</i> Cengage</p> 	16	<p>Scaling What Works: Faculty-Driven Innovation for Success in Math Courses <i>Tori Matthews</i> Lumen Learning</p> 	17	<p>MathGPT.ai: An AI-Powered Platform Built for Math <i>Stephen Jennings</i> MathGPT</p> 
10:00-10:50	18	<p>Mind the Potholes: Filling Readiness Gaps on the Road to Student Success <i>Cheryl Costantini</i> Hawkes Learning</p> 	19	<p>Let's Get Ready to Learn! Tools for Success in AI Times <i>Dr. Kelly Jackson</i> Camden County College</p> 	20	<p>Building Mathematical Minds: Coaching Strategies for Student Success <i>Jane & Thomas Reed</i> Way to Succeed</p> 
10:50-11:20	<p>Dedicated Exhibit Time – Gallery Coffee Break</p>        					

AMATYC Northeast Regional Conference – Program Summary

Saturday Morning / Afternoon

Rooms:	GEYSER	COESA	HATHORN
11:20-12:00	NEMATYC Networking	21 NYSMATYC Business Meeting	22 MATYCONN Business Meeting
12:00-1:30	23	Lunch Buffet – Orenda <i>Conference Announcements & Raffles</i> Keynote Presentation Reflections on 50 Years of Math Conferences <i>Ernie Danforth</i>	
1:30-1:55	24 Game Up Your Math! <i>Kathleen Offenholley Borough of Manhattan CC (CUNY)</i>	1:30 – 2:50 25 Unlocking Multiplication Mastery with the Trunk-Branches-Net Method <i>Chris Yuen SUNY Buffalo</i>	26 Enough with the Dominoes! An Alternative Way to Introduce Induction <i>Tim Biehler Finger Lakes CC</i>
2:00-2:50		27 Fitting In: How Otherness Influences Student's Educational Experience <i>Dora Trujillo LaGuardia CC</i>	28 Solving Quadratics: From Babylonian Tablets to Po-Shen Loh <i>Nick Stugard CT State - Tunxis</i>
2:50-3:20	Dedicated Exhibit Time – Gallery <i>Snack Break</i> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div>		

AMATYC Northeast Regional Conference – Program Summary

Saturday Afternoon

Rooms:	GEYSER		COESA		HATHORN	
3:20-3:45	29	Mathematics Behind Bars - The Case for Prison Education Programs <i>Ryan McCann</i> <i>Columbia-Green CC</i>	30	Machining Trigonometry <i>Julie Croteau</i> <i>SUNY Corning CC</i>	31	Discover AMATYC: Your Professional Home in Mathematics <i>George Hurlburt</i> <i>Corning CC</i>
3:50-4:15	32	From Intimidated to Interested in Math Class - examples in context with lines, or found online <i>Tom Reid</i> <i>SUNY Broome</i>	33	3:50-4:40 Vedic Mathematics Multiplication: Ancient Techniques for Modern Computation <i>Chaitanya Mistry</i> <i>SUNY Ulster</i>	34	Let's Talk about Standard Based Grading <i>Jennifer Braun</i> <i>SUNY Morrisville</i>
4:20-4:45	35	Multiplication Is to Addition as Addition Is to What? <i>Howard Sporn</i> <i>Queensborough CC</i>			36	Assessing a Hybrid Developmental Mathematics Course <i>John Livermore</i> <i>SUNY Morrisville</i>
4:50-5:00	Closing Remarks & Conference Evaluation – Gallery Please drop off your conference evaluation form and your lanyard. You still have time to visit Saratoga Springs! <p style="text-align: center;"><i>Thank you for joining us!</i></p> <p style="text-align: center;"><i>Safe travels home!</i></p>					
5:00 – 6:30	NYSMATYC Executive Board Meeting – Estate Room					



2026 AMATYC Northeast Regional Conference Detailed Program

Friday, April 24

11:00 – 5:00

Registration – Passage Way

1:00 – 1:50

Sessions 1 – 3

FRIDAY, April 24

S1

Geyser

1:00 – 1:50 PM

Teaching the Collatz Conjecture in Math Courses from the First Two Years of College

Presenter: Alexander Atwood, Suffolk County Community College, SUNY

Presenter: Dora Trujillo

The Collatz Conjecture is one of the most difficult open problems in mathematics. The conjecture is simple to describe and to demonstrate. It provides rich opportunities for teaching about mathematical patterns and reasoning in mathematics courses from the first two years of college.

S2

Coesa

1:00 – 1:50 PM

Enhancing Student Learning with Community Based Research

Presenter: Larry Danforth, Jefferson Community College, SUNY

Presenter: Kathleen Offenholley

Statistics students at Jefferson have a unique opportunity to serve as student research assistants enhancing their learning experience through at least one community-based research project. Students are included in elements of study design, data collection, data cleansing, data analysis, and presentation of the results. In this presentation, participants will see how these research projects are completed and how this experience helps students develop critical thinking skills while enhancing student learning.

S3

Hathorn

1:00 – 1:50 PM

9/11: Forensic Mathematics and the World Trade Center Project

Presenter: Jonathan Hoyle, formerly Carnegie Mellon University, (2018-2025)

Presenter: Joseph Bernat

This presentation covers the development of Forensic Mathematics used to identify the victims of the World Trade Center attack on 9/11. The presenter will describe the events of 9/11 from a forensic perspective and detail the Mathematics of DNA victim identification. This talk is targeted to the general audience with passing familiarity of Undergraduate Mathematics.

2:00 – 2:50

Sessions 4 – 6

FRIDAY, April 24

S4

Geyser

2:00 – 2:50 PM

GeoGebra, Visualization, and Student Confidence: Lessons from a Calculus III Study at a Hispanic-Serving Institution

Presenter: Tanvir Prince, Hostos Community College, CUNY

Presenter: Daniel Holz

This session presents Dr. Prince's GeoGebra modules for Calculus III. He will show how interactive visualization improves student confidence and understanding. The session is designed for college math instructors, especially those teaching multivariable calculus or developing OER materials. Any community-college math instructor will also benefit.

Friday, April 24

2:00 – 2:50

Sessions 4 – 6

FRIDAY, April 24

S5

Coesa

2:00 – 2:50 PM

Algebraic Instructions for Future Academic Success

Presenter: Natalya Vinogradova, Plymouth State University

Presenter: Kimberley Martello

Too often students come to college lacking algebraic skills. Could this be because for years in school the algebraic ideas were presented only in variables that made little sense to students? Let's get together to explore how to connect words, numbers, geometric shapes, and algebraic formulas to help students develop conceptual understanding of algebraic formulas and procedures.

S6

Hathorn

2:00 – 2:50 PM

Baseball in Our Math classes!

Presenter: Stephen Krevisky, CT State Middlesex Campus

Presenter: Ernest Danforth

This presentation is for math colleagues who are interested in using sports applications in their classes, which students can relate to! One application used by the presenter involved a sports-minded Math for Liberal arts class creating an all-time, 25-person Yankees team, which they successfully did!

2:50 – 3:20

Dedicated Exhibit Time

FRIDAY, April 24

Gallery



LUMEN LEARNING



Pearson



3:20 – 4:40

Sessions 7 – 12

FRIDAY, April 24

S7

Geyser

3:20 – 3:45 PM

Visualizing the Relationship Between Velocity and Acceleration Vectors (and more) using CalcPlot3D

Presenter: Paul Seeburger, Monroe Community College, SUNY

Presenter: Jaime Stone

Velocity is tangent to the path of motion. But is acceleration always orthogonal to the path of motion? Come learn about a built-in exploration in CalcPlot3D that explores the relationship between velocity and acceleration (and how it affects the corresponding speed of motion) using a sequence of parameterized curve examples.

Friday, April 24

3:20 – 4:40

Sessions 7 – 12

FRIDAY, April 24

S8

Coesa

3:20 – 4:40 PM

The History and Logic Behind P-value, Hypothesis Tests, and Mathematical Likelihood

Presenter: Eiki Satake, Emerson College

Presenter: Sean Simpson

This presentation explains the basics of Inferential Statistical methods, including P-values, Hypothesis Tests, and the Mathematical Likelihood. The session also addresses common misconceptions, misinterpretations, and ways to improve teaching to enhance students' understanding of inferential statistics. The target audience includes individuals seeking to refresh, relearn, and deepen their knowledge.

S9

Hathorn

3:20 – 3:45 PM

From Correction to Connection: Creating Belonging in Mathematics Education

Presenter: Marta Szpak, Suffolk County Community College, SUNY

Presenter: Julie Croteau

Many students walk into math classrooms carrying anxiety, self-doubt, or the belief that “math just isn’t for me.” This presentation shares my ongoing work to change that narrative by building a sense of belonging and possibility in mathematics.

S10

Geyser

3:50 – 4:15 PM

Creating Accessible Math PDFs using Overleaf

Presenter: Paul Seeburger, Monroe Community College, SUNY

Presenter: Jaime Stone

Creating accessible documents containing mathematics is challenging. There are tradeoffs between reliable formatting and screen reader functionality. Creating PDFs containing mathematics that can be read by a screen reader is possible using LaTeX with an appropriate template. Come learn to use Overleaf to quickly generate accessible PDFs for your classes.

S11

Hathorn

3:50 – 4:40 PM

Creating Balance and Belonging Through the Beauty of Numbers: Math Club on Our Campus

Presenters: Jay Hurlburt, Corning Community College, SUNY

Julie Croteau, Corning Community College, SUNY

Presenter: Sohair Habib

This interactive session highlights hands-on Math Club activities that engage students and build community beyond the classroom. The presenters will discuss a variety of activities used over the past several years to promote balance, belonging, and an appreciation for the beauty of numbers. Practical tips for implementation and adaptation will also be shared.

S12

Geyser

4:20 – 4:45 PM

Improving MATH0010 Student Success at Johnson & Wales University

Presenter: Jerelyn Pimentel, Johnson and Wales University

Presenter: Jennifer Braun

This presentation describes a comprehensive framework to enhance retention rates, pass rates, and downstream mathematics success for MATH0010/Pre-Algebra students at Johnson & Wales University's Providence campus. To address achievement gap disparities, the Mathematics Department has implemented evidence-based interventions that target the interconnected challenges of course completion, institutional retention, and preparation for future mathematics coursework. Success is measured through pass rates, D/F/W rates, fall-to-fall retention, and performance in downstream courses, with continuous refinement based on data analysis and student feedback.

Friday, April 24

4:45 – 5:15

NYSMATYC Executive Board Meeting

FRIDAY, April 24

Sun Room

5:00 – 6:00

Social Hour – Cash Bar

FRIDAY, April 24

Putnam's



Join us for drinks and conversation.
Share your news and catch up with colleagues!



6:00 – 8:00

Awards Banquet & Friday Keynote

FRIDAY, April 24

S13

Orenda

6:00 – 8:00 PM

Friday Night Awards Banquet

Friday Night Keynote:
Seconds of our Lives: Adopting a Calculus Mindset to Experience More Happiness in Life

Sunil Singh & Raya Singh

Sunil and Raya muse on the seconds of our lives. How it's the instants that matter, and how mathematics can lead to gratitude in life.



Sunil Singh is a passionate author, storyteller, and a porous mathematics educator. He travels the world championing rich mathematics giving over 100 keynotes, presentations, and workshops that center on humanizing mathematics. As a believer in the restorative properties of mathematics and illuminating the world with the human history, creativity, and wellness of math, Sunil is the founder of the Global Math Retreat and is the creator of mathsings.com.



Raya Singh is a senior high school student and President of her Student Council. She is a competitive rugby player whose academic interests include philosophy and mathematics. Raya has written for Wellness Education Magazine about her battle with depression and is an advocate for mental health and the role mathematics can play in human wellbeing.

S14

Orenda

8:00 – 9:00 PM

Puzzles! Puzzles! Puzzles!

*Presenters: Larry Danforth, Jefferson Community College, SUNY
Jay Hurlburt, Corning Community College, SUNY*

Puzzles, Puzzles, Puzzles is back in 2026! Join us for three rounds of math puzzles and an always interesting competition. Bring your team of five or form a team with other session attendees. Trivia and math puzzles of varying levels of difficulty will challenge the participants. Come and join the fun!

Saturday, April 25

7:00 – 7:45

Meet in the Lobby

Estimation Run

Organizer: Chris Yuen, SUNY Buffalo

The Estimation Run is a tradition at NYSMATYC. All you have to do is show up in the hotel lobby at 7:00 AM ready to go outside for a beautiful run or walk around Saratoga Spa State Park. Be sure to leave your smart watches and phones behind! Chris will collect your choice of route/distance (typically 1-mile or 2-mile choices) and your estimate of how long it will take you to finish. The goal is to see who gets closest to their estimated time.

8:00 – 9:00

Orenda

Breakfast Buffet

9:00 – 9:50

Sessions 15 – 17

SATURDAY, April 25

S15

Geyser

9:00 – 9:50 AM

Leveraging Cengage Unlimited to Close the Mathematics Readiness Gap across the Curriculum via WebAssign

*Presenters: Dr. Dale Dawes, Borough of Manhattan Community College, CUNY
Kristin Keesser, Cengage*

Presider: Paul Seeburger



Concerns about student mathematical preparedness persist across the curriculum well beyond the Mathematics Department. Students struggle with mathematics self-efficacy have perpetuated despite the national transition from Developmental Mathematics courses to Corequisite courses. Learn how to leverage Cengage Unlimited's vast resources (e.g., WebAssign) to help you track, evaluate, and address readiness and student confidence from the first day. Walk away with actionable strategies to transform struggling students into confident, successful learners in your STEM course.

S16

Coesa

9:00 – 9:50 AM

Scaling What Works: Faculty-Driven Innovation for Success in Math Courses

Presenter: Tori Matthews, Lumen Learning

Presider: Nick Stugard



Success in math courses is a critical momentum point that determines college persistence and timely navigation of degree programs for many students. Lumen Learning has been partnering with institutions for over a decade working to improve student success through the use of 'evidence-based' designed digital courseware. Lumen's newest platform, Lumen One, integrates faculty input and learning science with student input, incorporating feedback on affordability, relevance and support. We will discuss research demonstrating how combining faculty- and student-informed design enhances engagement and success metrics.

S17

Hathorn

9:00 – 9:50 AM

MathGPT.ai: An AI-Powered Platform Built for Math

Presenter: Stephen Jennings, MathGPT.ai

Presider: Chris Yuen



Learn how MathGPT.ai delivers curriculum-aligned, instructor-led AI tutoring that's accurate, cheat-resistant, and built into a simple assignment system. See how it strengthens understanding, reduces math anxiety, and protects academic integrity—while remaining affordable. Faculty will also learn how to explore the platform and join Summer or Fall 2026 pilots.

Saturday, April 25

10:00 – 10:50

Sessions 18 – 20

SATURDAY, April 25

S18

Geyser
10:00 – 10:50 AM



Mind the Potholes: Filling Readiness Gaps on the Road to Student Success

Presenter: Cheryl Costantini, Hawkes Learning
 Presider: George Hurlburt

Readiness gaps, whether small or substantial, can disrupt students' momentum like potholes in the road. Join us to explore how proactive identification and targeted prerequisite review can help fill these gaps, support student confidence, and improve outcomes. Attendees will also have the chance to enter a raffle to win one of three Amazon gift cards.

S19

Coesa
10:00 – 10:50 AM



Let's Get Ready to Learn! Tools for Success in AI Times

Presenter: Dr. Kelly Jackson, Camden County College, NJ
 Presider: Suchitra Amritkumar

Dr. Jackson will share how ALEKS, alongside AI and non-AI tools, supports her teaching. She'll discuss student use and misuse of AI, faculty responses, and strategies for blending AI and non-AI tools to help students succeed.

S20

Hathorn
10:00 – 10:50 AM



Building Mathematical Minds: Coaching Strategies for Student Success

Presenters: Jane Reed, Way to Succeed
Thomas Reed, Way to Succeed
 Presider: Stephanie Olstad

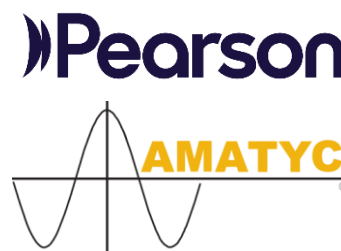
Foster effective learning behaviors through practical coaching strategies. Also, see a demo of Way to Succeed in a new LMS format designed to seamlessly integrate the coaching process into your curriculum allowing you to focus on teaching while still promoting student independence and engagement.

10:50 – 11:20

Dedicated Exhibit Time

FRIDAY, April 24

Gallery



Saturday, April 25

11:20 – 11:55

Sessions 21 – 22

SATURDAY, April 25

Gallery /
Saratoga

NEMATYC Networking

NEMATYC members may mingle in the Gallery or sit and chat in the Saratoga Room. You are also welcome to attend any of the other affiliates' business meetings.

M21

Coesa

11:20 – 11:55 AM

MATYCONN Business Meeting

Agenda for this meeting is available later in this program.

M22

Hathorn

11:20 – 11:55 AM

NYSMATYC Business Meeting

Agenda for this meeting is available later in this program.

12:00 – 1:30

Saturday Lunch Buffet & Keynote

SATURDAY, April 25

S23

Orenda

12:00 – 1:30 PM

Saturday Lunch Buffet, Raffles & Estimation Run Awards

Saturday Keynote:

Reflections on the 50th Anniversary of My First Math Conference

Ernie Danforth



Ernie is a retired mathematics professor from Corning Community College, where he and his wife, Kate, taught mathematics for 34 years. He joined NYSMATYC in the spring of 1976, making this his 50th year of conference participation. Over the years, he has been an active member of NYSMATYC, serving as Scholarship Chair, Professional Development Chair, and President. Kate and their son, Larry, have also served as presidents of NYSMATYC. Ernie has been a member of AMATYC since the late 1980s, where he has chaired several committees, served two terms as Northeast Vice President, and currently serves on the AMATYC Foundation Board. He is also a coauthor of multiple textbooks in the Mathematics in Action series.

Now happily retired, Ernie spends most of his time with Rotary, church activities, and personal history projects—when he is not out on the golf course.

1:30 – 2:50

Sessions 24 – 28

SATURDAY, April 25

S24

Geysen

1:30 – 2:50 PM

Game Up Your Math!

Presenter: Kathleen Offenholley, Borough of Manhattan Community College, CUNY

Presenter: Michael Roda

In this highly interactive session, participants will discover how a touch of game elements can dramatically change classroom dynamics. Game mechanics will be experienced first-hand so that participants will see how they can be incorporated into existing classroom activities to increase student engagement. Participants will also play classroom math games that can be changed to fit a variety of different topics and levels of mathematics. Faculty will then brainstorm ideas for how to incorporate game elements into their own classroom lessons.

Saturday, April 25

1:30 – 2:50

Sessions 25 – 28

SATURDAY, April 25

S25

Coesa

1:30 – 1:55 PM

Unlocking Multiplication Mastery with the Trunk-Branches-Net Method

Presenter: Chris Yuen, SUNY Buffalo

Presenter: Julie Croteau

This talk introduces the Trunk-Branches-Net (TBN) method to help developmental math students master multiplication tables using the distributive property (e.g., $(5+m)(5+n)$). TBN generalizes to 19×19 and directly models the algebraic distribution of $(x+m)(x+n)$, forming a crucial bridge to college algebra.

S26

Hathorn

1:30 – 1:55 PM

Enough with the Dominoes! An Alternative Way to Introduce Induction

Presenter: Tim Biehler, Finger Lakes Community College, SUNY

Presenter: Russell Penner

Dominoes provide a great demonstration of how mathematical induction works. So great that they've become almost the only one used. Students wanting an alternative illustration are often left wanting. This talk will present an alternative, with added financial benefits.

S27

Coesa

2:00 – 2:50 PM

Fitting In: How Otherness Influences Student's Educational Experience

Presenter: Dora Trujillo, LaGuardia Community College, CUNY

Presenter: Aja Shabana

This presentation explores "otherness," the feeling of not fitting in or lacking something essential to belong, and its significant impact on students' self-perception, identity, and learning engagement. Discover how diverse worlds, including school cultures and their discourses, shape identity, influence empowerment, and support students in navigating their educational journeys.

S28

Hathorn

2:00 – 2:50 PM

Solving Quadratics: From Babylonian Tablets to Po-Shen Loh

Presenter: Nick Stugard, CT State Tunxis

Presenter: Jonathan Hoyle

The quadratic formula has been both crowning jewel and student bane for many first-year algebra classes. This presentation will teach instructors the simplified and improved method of solving quadratics published in 2019 by famous mathematician Po-Shen Loh that they can share with their algebra classes including the history of solving quadratics.

2:50 – 3:20

Dedicated Exhibit Time

SATURDAY, April 25

Gallery

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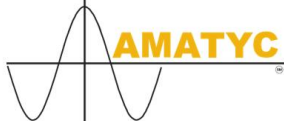
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 AMATYC

Saturday, April 25

3:20 – 3:45

Sessions 29 – 31

SATURDAY, April 25

S29

Geyser

3:20 – 3:45 PM

Mathematics Behind Bars - The Case for Prison Education Programs

Presenter: Ryan McCann, Columbia-Green Community College, SUNY

Presenter: Howard Sporn

Prison education programs are quite controversial. There are those who say criminals are undeserving and it is a waste of taxpayer money. From someone who has been involved in prison education for over fifteen years, come hear another perspective on how prison education can actually save money and provide lasting social benefits.

S30

Coesa

3:20 – 3:45 PM

Machining Trigonometry

Presenter: Julie Croteau, Corning Community College, SUNY

Presenter: Amanda Sweeney

Need some new trig applications? Wondering how to read a machining diagram or what types of math problems machining students are encountering? Experience a few specific machining problems. The hope is that you will walk away with a few applications to add to your repertoire for any course that teaches trig, especially courses for tech students.

S31

Hathorn

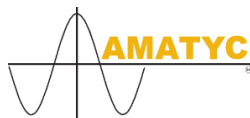
3:20 – 3:45 PM

Discover AMATYC: Your Professional Home in Mathematics

Presenter: George Hurlburt, AMATYC, Corning Community College, CUNY

Presenter: Chris Yuen

This session will give the audience an overview of AMATYC and why they should consider joining the organization. Topics will include Academic Networks, Position Statements, Standards, Student Leagues, and the Annual Conference.



3:50 – 4:45

Sessions 32 – 36

SATURDAY, April 25

S32

Geyser

3:50 – 4:15 PM

From Intimidated to Interested in Math Class - examples in context with lines, or found online

Presenter: Tom Reid, SUNY Broome Community College

Presenter: Dean Feldman

In this presentation, Tom will share some of his favorite online math posts, memes, and interesting examples dealing with linear regression that can lighten the classroom atmosphere and get students participating in math class. You can expect to leave with 1 or 2 new examples for your class.

S33

Coesa

3:50 – 4:40 PM

Vedic Mathematics Multiplication: Ancient Techniques for Modern Computation

Presenter: Chaitanya Mistry, SUNY Ulster Community College

Presenter: Stephen Krevisky

This presentation explains Vedic multiplication techniques from ancient Indian mathematics. It shows easy and efficient sutra-based methods that improve mental calculation and number sense. The session is designed for educators, mathematicians, and mathematics enthusiasts. It highlights practical and engaging alternatives to traditional multiplication methods.

Saturday, April 25

3:50 – 4:45

Sessions 32 – 36

SATURDAY, April 25

S34

Hathorn

3:50 – 4:15 PM

Let's Talk about Standard Based Grading

Presenter: Jennifer Braun, SUNY Morrisville

Presenter: Tim Grosse

Standards-Based Grading (SBG) is an assessment approach that prioritizes students' mastery of clearly defined learning standards rather than the accumulation of points or the use of weighted assignments. Rather than emphasizing task completion or total scores, SBG measures mastery of clearly defined skills and concepts, allowing instructors to assess and report on student understanding with greater clarity and precision. This presentation will examine the what, the why, and the how about SBG so it can be implemented in mathematics courses to provide clearer feedback, encourage student growth, and better align grading with learning goals.

S35

Geyser

4:20 – 4:45 PM

Multiplication Is to Addition as Addition Is to What?

Presenter: Howard Sporn, Queensborough Community College, CUNY

Presenter: Alexander Atwood

Mathematics educators are familiar with the analogy: addition is to multiplication as multiplication is to raising to an exponent. This talk will present the reverse analogy, and ask: multiplication is to addition as addition is to what? It will be shown that several different operations can answer the question.

S36

Hathorn

4:20 – 4:45 PM

Assessing a Hybrid Developmental Mathematics Course

Presenter: John Livermore, SUNY Morrisville

Presenter: Jayashree Hurlburt

This study evaluated a hybrid "stretch" course that combined developmental mathematics (Intermediate Algebra) with College Algebra. Students were placed into either the stretch course or the traditional College Algebra course using multiple measures, including a placement exam. Results indicate that the hybrid model was effective in narrowing the performance gap between students in the stretch course and those directly enrolled in College Algebra; however, while the gap was reduced, it was not fully eliminated.

4:50 – 5:00

Closing Remarks

SATURDAY, April 25

Gallery

***Please drop off your conference evaluation form
and your lanyard.***

***Thank you for joining us!
Safe travels home!***



5:00 – 6:30

NYSMATYC Executive Board Meeting

SATURDAY, April 25

Estate Room



2026 NYSMATYC Business Meeting Agenda

Saturday, April 25, 2026
TIME: 11:20AM – 12:00PM
Room: Hathorn

1. President's Report – Janis Mazza
2. Approval of Minutes of March 29, 2025 – Philip Schierer
3. Treasurer's Report – Brian Milleville
4. Elections Report – Chris Yuen
5. Committee Reports
 - a. Audit – Regional Members at Large
 - b. Awards – Chris Yuen
 - c. Communications – Jay Hurlburt
 - d. Professional Development – Sandra Keegan
 - e. Scholarship – Liz McGrath
 - f. Region Members at Large –
 - Paul Seeburger (Region I)
 - Ryan McCann (Region III)
 - Joshua Hammond (Region II)
 - Matthew Rogala (Region IV)
6. Other Business
 - a. NYSMATYC Representation to Other Organizations
 - AMATYC – George Hurlburt
 - AMTNYS – TBA
 - NCTM – TBA
 - MAA Metro – Ezra Halleck
 - MAA Seaway – TBA
 - b. 2026 Conference Report – Sophia Georgiakaki
 - c. Math League Report – Abe Mantell
7. New Business
 - a. Appointments – Janis Mazza
 - b. Upcoming Conferences – Chris Yuen
 - 2027 Conference & 60th Anniversary of NYSMATYC
8. Raffles
9. Adjournment



2026 MATYCONN Business Meeting Notes

Saturday, April 25, 2026

TIME: 11:20AM – 12:00PM

Room: Coesa

NYSMATYC

Student Scholarship Award Information

John Vadney Past Presidents' Award

John Vadney was one of the founding fathers of NYSMATYC, but what set him apart from the rest of the founders was his continuous attendance at conferences for more than 40 years. His final contribution to the organization was to the Scholarship Fund. He pushed his fellow past presidents to contribute to the Scholarship Fund to push the total scholarship awards given by NYSMATYC to students to over \$100,000. As a result of his efforts a new scholarship was created in 2010 for high achievers called the Past Presidents' Award and was renamed in 2011 to the John Vadney Past Presidents' Award. Over the past seven years, the efforts of Ernie Danforth and several other past board members have helped NYSMATYC to raise several thousand dollars in scholarship donations!

Helen Siner Scholarship Award

Helen Siner taught mathematics at Staten Island Community College which later became the College of Staten Island a 4-year CUNY unit. In 1975 Helen was honored by NSYSMATYC for Outstanding Contributions to Mathematics Education. During the 1970's and 1980's Helen chaired the Scholarship Committee almost continuously. After her death in the early 1990's the top NYSMATYC Scholarship Award was named in Helen's honor.

Dan Dodway Scholarship Award

Dan Dodway was a professor of mathematics at Broome Community College. He served as NYSMATYC's 21st president. Dan also served the organization as Articulation chair as well as working with Paul Earl on some very successful Summer Institutes, the forerunner to our Professional Development Committee. In the mid 1990's Dan was killed in a tragic ultra-light plane accident. To honor his memory, the highest scholarship given annually to a student with intentions of pursuing a career in mathematics education was named in Dan's honor.

Award for Excellence in Mathematics

The Award for Excellence in Mathematics is given to outstanding mathematics students who demonstrate abilities and dedication above and beyond the norm.



NYSMATYC Awards Information

Outstanding Contributions to Mathematics Education Award

The purpose of this award is to recognize members of NYSMATYC who have made significant contributions to mathematics education beyond the campus of the individual. Nominees for this award should be active members in various mathematics and mathematics education organizations on both the state and national levels. Significant contributions may be on either the state or the national level, but some activity is expected on both levels. These contributions may include publications, presentations at conferences, committee work on both the state and/or national levels, and involvement in mathematics organizations.

Activities which may be considered by the awards committee include, but are not limited to:

- **Curriculum Development.** This category includes the creation of new curriculum or significant alteration of an existing curriculum for a course or program.
- **Pedagogical Improvement:** This category could include presentations made at state and national meetings; securing and implementing grants which are directed at improving instruction in mathematics or mathematics education; or researching new techniques to teach mathematics.
- **Publications.** Authoring textbooks or articles will be considered in this category. The committee will give greater consideration to refereed articles in journals than to textbooks, unless the textbook is breaking new ground in an area of curriculum or pedagogy in mathematics.
- **Coalition Building.** Mathematics education must be considered a unified effort of mathematics educators from kindergarten through college. An individual's efforts to build unity in a structure which is frequently seen as composed of disjoint sets should have these efforts considered for this award. Working to build connections between professional organizations on the state and national level to better promote mathematics education are to be considered.
- **Teaching Expertise.** Documentation in the form of letters of recommendation from students, colleagues, and administrators may be included to support the teaching effectiveness of the individual.
- **Departmental Leadership.** Documentation in the form of letters of recommendation from colleagues and administrators may be included to support the supervisory effectiveness of the individual relative to his/her role as Department Chair or Coordinator of Mathematics.

Note: This award cannot be received more than once.



Outstanding Contributions to Mathematics Education List of Award Recipients

1972	George Pedwick	Executive Director of CU
	James Eastham	Queensborough CC
1973	Erwin Just	Bronx Community College
1974	Norm Schaumberger	Bronx Community College
1975	Leon Ablon	Staten Island Community College
	Helen Siner	Staten Island Community College
	Calvin Lathan	Monroe Community College
1976	Lawrence Trivieri	Mohawk Valley Community College
1977	Herb Gross	Corning Community College
1978	Allyn Washington	Corning Community College
1979	Peter Lindstrom	Genesee Community College
1980	James Baldwin	Nassau Community College
	Sheldon Gordon	Suffolk County Community College
1981	Warren Page	New York City Technical College
1982	Gerald Lieblich	Bronx Community College
1983	George Miller	Nassau Community College
	Geoffrey Akst	Manhattan Community College
1986	Allen Angel	Monroe Community College
1987	Don Cohen	SUNY Cobleskill
1990	Joseph Browne	Onondaga Community College
1991	Richard Schwartz	College of Staten Island
1992	Mona Fabricant	Queensborough Community College
1994	Susan Forman	Bronx Community College
1995	Sadie Bragg	Borough of Manhattan Community College
1996	Rick Patrick	Adirondack Community College
1997	Philip Cheifetz	Nassau Community College
1999	Rose Tan	Westchester Community College
2000	James K. Baker	Jefferson Community College
2005	Dona Boccio	Queensborough Community College
2011	Ernie Danforth	Corning Community College
2012	Roy Cameron	SUNY Cobleskill
2015	Paul Seeburger	Monroe Community College
2016	Mary Beth Orrange	Erie Community College



NYSMATYC Awards Information

Outstanding Contributions to NYSMATYC Award

The purpose of this award is to recognize individuals who have made significant contributions to NYSMATYC.

These contributions may include, but are not limited to, the following:

- Coordinating, assisting, presenting, or presiding at annual or regional meetings
- Serving as committee chair or elected officer on the Executive Board
- Service as Campus Representative
- Service as Mathematics League Coordinator
- Representing or promoting NYSMATYC with other organizations or groups

Since NYSMATYC also presents the annual President's Award, the three-year commitment of the President of NYSMATYC shall not be considered a factor in the determination of this award.

Note: This award cannot be received more than once.

Outstanding Contributions to NYSMATYC List of Award Recipients

1971	Frank Avenoso	Nassau Community College
1972	Michael Sentlowitz	Nassau Community College
1973	Sam McInroy	Corning Community College
1985	Helen Seiner	The College of Staten Island
1988	Paul Earl	Broome Community College
1989	Roy Cameron	SUNY Cobleskill
1990	John Impagliazzo	Hofstra University
1991	Karl Klee	Jamestown Community College
2001	Don Willner	Mohawk Valley Community College
2002	Maryann Justinger	Erie Community College
2003	Ernie Danforth	Corning Community College
2004	Kate Danforth	Corning Community College
2005	John Vadney	Fulton-Montgomery Community College
2006	Ken Mead	Genesee Community College
2007	Mary Beth Orrange	Erie Community College
2009	Ray LaBounty	Corning Community College
2010	Abe Mantell	Nassau Community College
2016	Herbert Gross	Corning Community College
2018	Richard Moscatelli	Nassau Community College
2019	George Hurlburt	Corning Community College
2025	Joshua Hammond	Jefferson Community College

Past Presidents of NYSMATYC

1967 - 1968	Herbert Gross	1968 - 1969	John Vadney
1969 - 1970	John Vadney	1970 - 1971	Raymond McCartney
1971 - 1972	John Walter	1972 - 1973	Harold Hackett
1973 - 1974	Donald Cohen	1974 - 1975	Allyn Washington
1975 - 1976	Sam McInroy	1976 - 1977	Robert Burghardt
1977 - 1978	Paul Earl	1978 - 1979	Allen Angel
1979 - 1980	Gerald Lieblich	1980 - 1981	Lawrence Trivieri
1981 - 1982	Bruce Haney	1982 - 1983	Roy Cameron
1983 - 1984	Karl Klee	1984 - 1985	Carol Kublin
1985 - 1986	Susan Forman	1986 - 1987	Gerald Smith
1987 - 1988	Joseph Browne	1988 - 1989	Dan Dodway
1989 - 1990	Ernest Danforth	1990 - 1991	Sadie Bragg
1991 - 1992	Leonard Malinowski	1992 - 1993	Richard Rupprecht
1993 - 1994	Judy Cain	1994 - 1995	Joan Page
1995 - 1996	Frank Mandrey	1996 - 1997	Kate Danforth
1997 - 1998	Maryann Justinger	1998 - 1999	Rick Patrick
1999 - 2000	Jane Tanner	2000 - 2001	Dona Boccio
2001 - 2002	Beverly Broomell	2002 - 2003	Maureen O'Grady
2003 - 2004	Mary Beth Orange	2004 - 2005	Jodi Cotton
2005 - 2006	Jerilyn Fairman	2006 - 2007	Abe Mantell
2007 - 2008	George Hurlburt	2008 - 2009	Sue Kutryb
2009 - 2010	Emad Alfar	2010 - 2011	Tim Grosse
2011 - 2012	Ray LaBounty	2012 - 2013	Abe Mantell
2013 - 2014	Sophia Georgiakaki	2014 - 2015	Russ Penner
2015 - 2016	Larry Danforth	2016 - 2017	Josh Hammond
2017 - 2018	George Hurlburt	2018 - 2019	Chris Kemp
2019 - 2020	Julie Croteau	2020 - 2021	Jayashree Hurlburt
2021 - 2022	Patty Owens	2022 - 2023	Erin Newton
2023 - 2024	Joseph Bernat	2024 - 2025	Chris Yuen
2025 - 2026	Janis Mazza		



NYSMATYC Project ERNIE

Enhancing **R**elationships to **N**urture and **I**nspire **E**ducators

Project ERNIE is a faculty development program designed to assist those new to teaching mathematics at community colleges in New York state through collaboration with other NYSMATYC members. Each year, several full-time math faculty in their first, second, and third year of teaching mathematics at the two-year level are selected to participate.

The project has been dormant since 2020.

NYSMATYC is looking for individuals to volunteer to relaunch Project ERNIE in 2025 or 2026.

For more information, please contact a current NYSMATYC executive board member.



Ontario Colleges
Mathematics Association

2026 Conference Registration Begins!

"Mathematics is as much an aspect of culture as it is a collection of algorithms"

Carl Benjamin Boyer

Celebrate the community as the root of mathematics at [Fern Resort](#), Orillia from May 20 - May 22, 2026 for the Annual OCMA Conference and discover how numeracy-based educators:

- build a math culture in your classroom;
- help students strengthen the roots that support foundational knowledge;
- humanize algorithms and techniques for practical use; and
- foster a community of educational professionals in your program, department, or college.

Presentations include:

- Math history stories that spark engagement
- Student success in foundational math
- Creating a community of numeracy
- Sneaking fun into serious math
- Math assessment for humans



theocma.org

52nd AMATYC Annual Conference



Philadelphia Marriott Downtown

Philadelphia, Pennsylvania

November 19–22, 2026

Join Us in Philadelphia

Ready to revolutionize your classroom? Join us in Philadelphia for the 2026 AMATYC Annual Conference and immerse yourself in the latest innovations in mathematics education. From transformative pedagogy to cutting-edge technology, this is your chance to connect with a community dedicated to student success. Plus, enjoy exploring the birthplace of American independence—from historic landmarks to world-class museums and restaurants!

Take a stand for "Life, Liberty, and the Pursuit of Mathematics!" Discover new strategies for:

- Maximizing student engagement through active learning environments.
- Reforming content and pedagogy to meet the needs of modern learners.
- Bringing mathematics to life with impactful, real-world applications.
- Conquering math anxiety by supporting diverse learning styles.
- Investing in your own professional growth alongside the best in the field.



City Hall

Photo Courtesy of @PHLCVB



Love Park

Photo Courtesy of @PHLCVB



Rocky Statue

Photo Courtesy of @PHLCVB

Registration will open by August 1, 2026. For more information about the conference and to register when available, visit the AMATYC website at www.amatyc.org.

Annual Meeting Metropolitan New York Section of the Mathematical Association of America

Saturday, May 2, 2026
St. Thomas Aquinas College
Sparkill, NY

Invited Speakers



Dr. Po-Shen Loh
MAA Pólya Lecture
Carnegie Mellon University



Dr. Tamara Lakins
MAA Editor Lecture
Allegheny College

Abstract Deadline: March 30

We are accepting abstracts for student talks and posters and faculty talks!










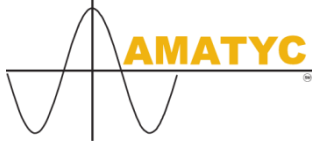


Early Registration Deadline: April 10



Please visit <http://sections.maa.org/metrony> for additional **information and updates**.



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**2027 NYSMATYC
Annual Conference**
to celebrate
NYSMATYC's 60th Anniversary!

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Details coming soon at www.nysmatyc.org

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