

Pennsylvania Council of
Teachers of Mathematics





The Pennsylvania Council of Teachers of Mathematics

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PCTM Magazine is published twice each year by the Pennsylvania Council of Teachers of Mathematics, an affiliate of the National Council of Teachers of Mathematics.

Articles and announcements for **PCTM Magazine**, an editor-reviewed publication, should be submitted electronically to the editors via pctm.editor@gmail.com

The PCTM Magazine co - editors are:

Daniel R. Ilaria	Xiangquan (James) Yao
West Chester University	Penn State University

Cover Credit:
Colorful tulips
and windmill in
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Volume LXV

Number 1

Hello from the Editors

Daniel R. Ilaria, Xiangquan (James) Yao

Dear Readers:

Welcome to Spring! The Spring 2025 issue of the PCTM Magazine shares information gathered from around the state about mathematics education. This issue features information about the July conference, information about other conference sessions, digital resources, and the 2025 Spring PCTM election results. This magazine relies on the professionals this magazine serves to share what you are doing in the profession, how you are growing in your practice, and communicating about great experiences around the state. Please share what you are doing by checking out the call for manuscripts or sending an email to contribute to other sections of the magazine.

Contribute to the “From the Classroom” section of the magazine. Please send images of your mathematicians at work or engaging in your own professional learning! Send images with caption information to pctm.editor@gmail.com.

I’ve (Dan) enjoyed working on this magazine for the last two years and bringing it back from its hiatus. Unfortunately, my responsibilities with other math organizations and around the profession will keep me from giving the magazine the attention it deserves. James will continue on as editor, and anyone willing to help out is welcome to reach out to pctm.editor@gmail.com or any PCTM board member. Thanks - Dan

Enjoy,

Dan & James



Please email your comments, suggestions, articles, etc. to pctm.editor@gmail.com. More information on submission guidelines may be found on the last page of this issue.

PCTM President Welcome Letter-Spring/Summer 2025

Where did the school year go? The school year begins with such great energy and a somewhat slow pace and then Spring comes and the remainder of the school year seems to fly by quickly. We often look back on events of the school year, the children we have taught, the growth they have made and the success they accomplished with great pleasure for them. For me there was great excitement and joy as I spent many days substituting at the Academy teaching children during this past school year. It was a very special time teaching high school students math, science and occasionally other subjects as well as teaching the kindergarten students how to recognize letters, numbers, words and so much more. Too soon the Kindergarten Graduation Program came and went as did the Senior's High School Graduation. Such amazing times and wonderful memories, great hugs and tears of joy!

By the time you read this letter you should be transitioning into summer mode and a change of routine. More time for family and friends, trips to the seashore, working on a hobby project or quiet times reading a book for enjoyment, and hopefully a few days of sleeping past 5:30 AM. Summer brings with it a sense of relaxation, rest and renewal, sweet smelling flowers and the gentle breeze that blows softly and rustles the leaves on the trees. May this summer find you taking time for the people and things you love. Stay safe and enjoy life!

It is my hope to see many of you at the 2025 PCTM Annual Conference that will be held in just a few short weeks, July 23-25, 2025, at the Best Western Premier Hotel & Conference Center, 800 East Park Drive, Harrisburg, PA 17111. Information and registration link for the conference may be found on the PCTM website at www.pctm.org under Events.

Registration for the PA Mathematics Teaching Summitt will be open on July 21, 2025. The Summitt will be held on Saturday, September 20, 2025 at Spring-Ford Area School District 9th Grade Center, 400 S. Lewis Road, Royersford, PA 19468. Information and registration link for the PA Mathematics Teaching Summitt may be found on the PCTM website at www.pctm.org under Events. The PA Mathematics Teaching Summitt is a Professional Development Day for both Pre-Service Teachers and In-Service Teachers. The cost is only \$20.00 and includes a continental breakfast and lunch. Next year this event will be held in the western part of Pennsylvania.

My best to all of you as you take time this summer to rest, spend time with family, and refresh! Feel free to reach out to me anytime at marian@pctm.org. Have a wonderful and safe summer break filled with lots of joy!

Marian Avery, PCTM President





Happenings

Math in Motion: Inspiring Discovery at the 2025 PCTM Conference

July 23–25, 2025 | Harrisburg, PA

This summer, mathematics educators from across Pennsylvania and beyond will gather for an exciting and enriching event—**Math in Motion: Engaging Minds through Exploration and Discovery**—the annual conference of the Pennsylvania Council of Teachers of Mathematics (PCTM). Held at the Best Western Premier in Harrisburg, this three-day event is scheduled for **July 23–25, 2025**, and promises to ignite passion for math teaching through innovative sessions, inspiring keynotes, and collaborative exploration.

The conference kicks off with a **Pre-Conference Event** on the evening of **Wednesday, July 23**, featuring a buffet dinner, hors d'oeuvres, a cash bar, and a dynamic presentation by **Dan Kaufmann**, educator and advocate for student-centered learning.

The main conference runs from **Thursday, July 24 at 8:00 AM to Friday, July 25 at 3:00 PM**, offering a full slate of sessions, an exhibit hall, and engaging workshops—all designed to elevate mathematics instruction. **Keynote speakers** include **Eli Luberoff** (CEO of Desmos) and **Deborah Peart**, a leader in equity-focused math education.

General Registration is \$275, student registration is available for **\$120**, and the pre-conference dinner can be added for **\$30**. Your registration includes admittance to all sessions, breakfast and lunch both days, snacks and beverages, a complimentary one-year PCTM membership, and Act 48 credit. Registration closes July 19, 2025.

New this year: **Group Discount!** When your school or organization purchases **five regular-price registrations**, you'll receive **one complimentary regular registration**. To redeem your free registration, email **pctm@pctm.org** after the purchase of the five registrations.

Conference Highlights:

- Inspiring keynote speakers
- Interactive workshops and sessions
- Networking with educators and thought leaders
- Breakfast, lunch, and refreshments included
- Exhibit Hall with educational vendors
- Pre-Conference Dinner with separate registration

Location & Lodging:

Best Western Premier

800 East Park Drive, Harrisburg, PA 17111

Conference room rate: **\$188.64/night** (including tax). Reservations must be made by **July 6** to receive the group rate. [Link for Hotel Reservation Block](#)

Ready to get your professional learning in motion?

Register today and join the movement to explore, discover, and inspire!

Visit PCTM.org for more information and to access the full **conference program**.



DAN KAUFMANN

Keynote Speaker



ELI LUBEROFF

Keynote Speaker

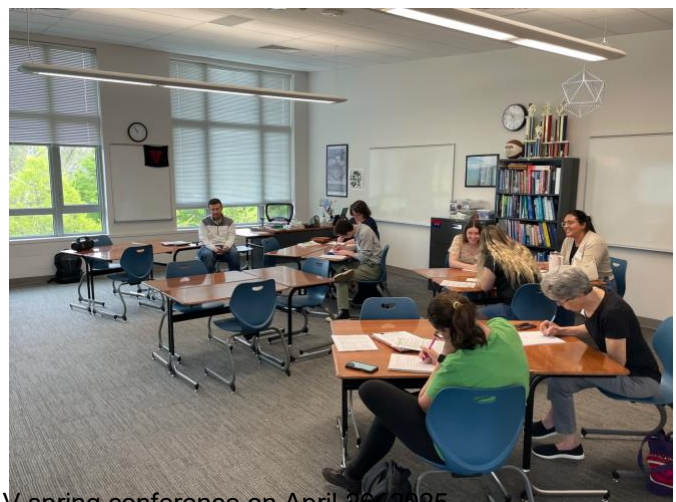
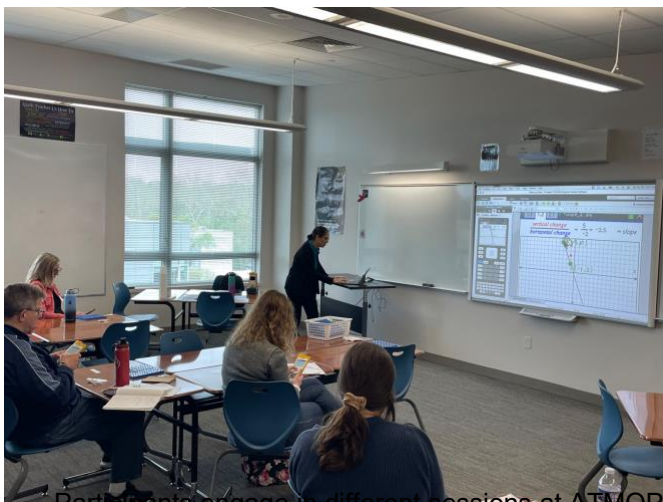
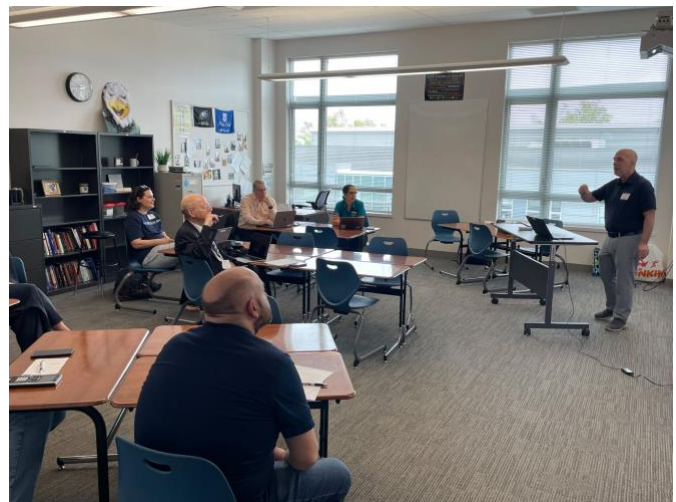


DEBORAH PEART

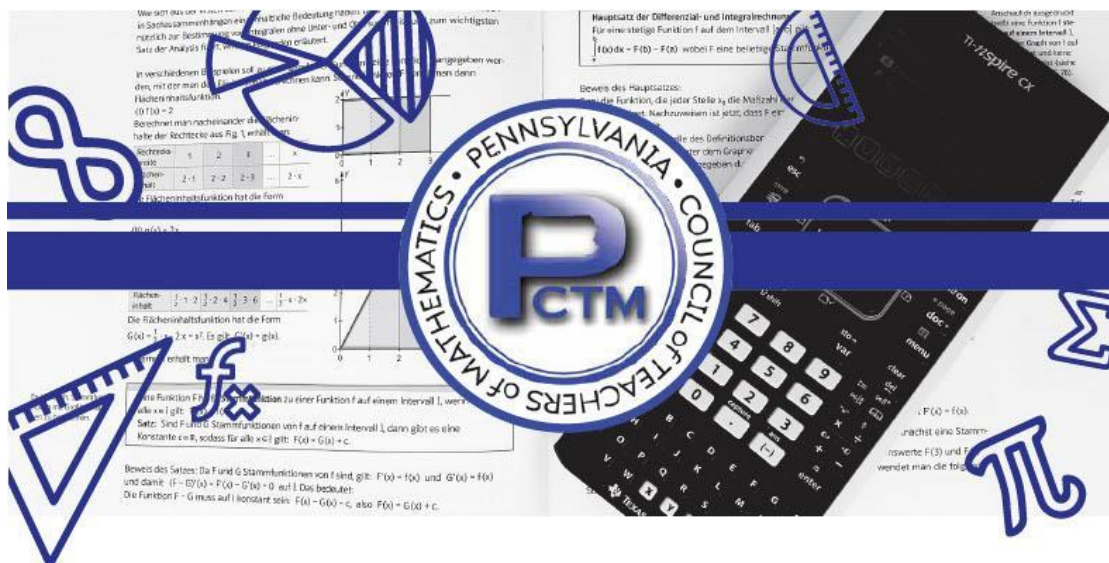
Keynote Speaker

ATMOPAV (Association of Teachers of Mathematics of Philadelphia and Vicinity) sponsored a year-long book study with the support from an NCTM Affiliate Grant. Members met in person and virtually throughout the fall and spring to discuss NCTM's Taking Action books for middle and high school and Invigorating Math by Dr. Steve Leinwand and Dr. Eric Milou. In each session, there were lively discussions about pedagogy, content and changes

On April 26th, ATMOPAV held its spring conference at Germantown Academy. Breakout sessions covered several key teaching topics around technology, engaging students in discussion, and content knowledge. Dr. Eric Milou presented the keynote talk about Invigorating High School Math. The engaging talk encouraged participants to think about the content needs of high school students and where high school math curriculum should be focusing for today's societal needs. Dr. Milou shared several changes states are making with curriculum pathways and challenged participants to think about math in interesting ways. ATMOPAV will host a fall conference on Data Science. Check out atmopav.com for updated information.



Participants engage in different sessions at ATMOPAV spring conference on April 26, 2025



SAVE THE DATE

2025 PCTM CONFERENCE

BEST WESTERN PREMIER HOTEL
& CONFERENCE CENTER
HARRISBURG, PA

JULY 23-25, 2025

2025 CONFERENCE FEATURING



DAN KAUFMANN
PRE-CONFERENCE SPEAKER



ELI LUBEROFT
KEYNOTE SPEAKER



DEBORAH PEART
KEYNOTE SPEAKER

GO TO WWW.PCTM.ORG TO LEARN MORE.

2026 Conference August 5 - 7,
DoubleTree by Hilton,
500 Mansfield Avenue,
Pittsburgh, PA 15205

2027 Conference
Dates TBD
Harrisburg, Pa

HAVE YOU VISITED THE NEW PCTM WEBSITE!!!



Last fall, the PCTM website got an upgrade to improve functionality and the user experience. Displaying a new color scheme and layout, the new PCTM website is a one-stop-shop for all information about PCTM. Are you looking to get involved with PCTM? The updated website has a section with the various ways in which you can become a more active member of PCTM. The updated site will continue to have information about upcoming PCTM events, PCTM award nominations, and other general pieces of information about PCTM. Stay tuned for an updated Resources section coming soon that will include classroom resources for all levels. These resources offer ways to engage and inspire learning and create a positive classroom environment!

PCTM also has a new Facebook page! Make sure to like and follow the PCTM.org Facebook page by either searching for PCTM.org in the Facebook app or clicking on the Facebook logo in the footer on the PCTM webpage. Following our new Facebook page is a great way to join the PCTM community and receive important updates and announcements!

DIGITAL RESOURCE

Libo Valencia share a digital book he produced for all PCTM members to access.

Check out the resource at <https://www.geogebra.org/m/bmyse2ca>

PCTM Spring 2025 Board Elections

Dear PCTM Members,

The PCTM Spring 2025 Elections are completed. Congratulations to all those elected.

Results are:

East Regional Representative - Derrick Keister

West Regional Representative - Ryan Kinzler

Delegate-at-Large - Dan Kaufmann

Secretary - Kelly Brent

Thank you,

Dave Kennedy

PCTM 2025 Nominations and Elections Chair





Submissions Solicited For PCTM Magazine

Since the 1990's, the Pennsylvania Council of Teachers of Mathematics (PCTM) has produced the PCTM Magazine for our members. Our mission is to promote mathematics education in Pennsylvania. In the magazine we accomplish this by publishing edited articles by leading authors and local news from around the state. PCTM is committed to improving mathematics instruction at all levels. We place an emphasis on classroom activities that are aligned to the Pennsylvania Core State Standards and the NCTM Principles and Standards for School Mathematics.

You are invited to submit articles for consideration for publication in the PCTM Magazine. This publication provides an excellent opportunity for you to share your ideas with the ever-growing number of colleagues dedicated to improving mathematics education in Pennsylvania. Any topic of interest to teachers of mathematics, especially K-12 classroom teachers in Pennsylvania, is suitable subject material. All readers are encouraged to contribute articles and opinions for any section of the magazine. Teachers are encouraged to submit articles for Voices From the Classroom, including inspirational stories, exemplary lessons, or management tools.

Original artwork on the cover is another way teachers may contribute. We publish the magazine two times each school year, in the fall and spring.. Our website has several archives of journals in PDF format. Please see <https://pctm.org/magazines/> if you wish to view prior issues.

Deadline for submissions:

Spring, April 1

Fall, October 1

Author Guidelines:

Manuscript Format: Manuscripts should be double-spaced, with 1-inch margins on all sides, typed in 12-point font and follow the APA 6th Edition style guide. Manuscripts should be submitted in Microsoft Word. If you have a picture or graphic in the text, please include the original picture(s) in a separate file. A cover letter containing author's name, address, affiliations, phone, email address, and the article's intended audience should be included in the email.

Manuscript Submission: Manuscripts should be submitted electronically as an e-mail attachment to pctm.editor@gmail.com. Receipt of manuscripts will be acknowledged. After review by the editors, authors will be notified of a publication decision.

The current co- editors are Daniel R. Ilaria, Karise Mace & Xiangquan (James) Yao who may be reached at pctm.editor@gmail.com.