American Mathematical Association of Two-Year Colleges

48th Annual Conference

Sheraton Centre Toronto
123 Queen Street West
Toronto, ON, Canada  M5H 2M9

Reservations (online): https://book.passkey.com/e/50274718
Reservations (phone): 1.888.627.7175  (mention AMATYC Conference)

November 17 – 20, 2022

Keynote Speakers

Peter Liljedahl
Simon Fraser University
Building Thinking Classrooms

Ben Orlin
Math with Bad Drawings
How to Speak Math

Featured Speakers

Sunil Singh
Amplify
The Power of Mathematical Storytelling

Stan Yoshinobu
University of Toronto
Equitable and Inclusive Teaching Practices in College Mathematics

Hosted by OCMA, OCMC, and the Northeast Region

Opening Doors Through Mathematics

www.amatyc.org
Vision Statement

To be the leading voice and resource for excellence in mathematics education in the first two years of college

Mission Statement

To provide high quality professional development, to advocate and collaborate at all levels, and to build communities of learners for all involved in mathematics education in the first two years of college.

Adopted by the Board on April 1, 2016

Core Values

These are the Core Values that guide AMATYC’s internal and external interactions with each other and our community:

- Academic Excellence
- Access
- Collegiality
- Innovation
- Integrity
- Professional Development
- Teaching Excellence
Thursday Keynote Session

Peter Liljedahl

Building Thinking Classrooms

Thursday, November 17 • 3:00 pm – 4:30 pm

Today's classrooms are influenced by norms from the industrial-age of public education, enabling a culture of teaching and learning that is often devoid of student thinking. Results from over 15 years of research will help instructors transform their classrooms from a space where students mimic to where students think.

Peter Liljedahl is a Professor of Mathematics Education in the Faculty of Education at Simon Fraser University and author of the best-selling book, Building Thinking Classrooms in Mathematics (Grades K-12): 14 Teaching Practices for Enhancing Learning. He was the recipient of the Cmolik Prize for enhancement of public education in British Columbia, as well as the Fields Institute's Margaret Sinclair Memorial Award for innovation and excellence in mathematics education.

Peter has authored or co-authored 12 books, over 38 book chapters, 38 journal articles, and over 50 conference papers. Peter is the former president of the International Group for the Psychology of Mathematics Education (PME), the current president of the Canadian Mathematics Education Study Group (CMESG), senior editor for the International Journal of Science and Mathematics Education (IJSME), on the editorial boards of five major international journals, and a member of the NCTM Research Committee. He is also an executive member of the British Columbia Mathematics Teachers Association (BCAMT) and former co-editor of their flagship journal, Vector.

Peter Liljedahl received a B.Sc. (mathematics and computing science), M.Sc. (secondary mathematics education), and Ph.D. (curriculum theory and implementation) from Simon Fraser University in Vancouver, British Columbia. A former high school teacher, Peter has kept his research interest and activities close to the classroom. He consults regularly with schools, school districts, and ministries of education on issues of teaching and learning, assessment, and numeracy.

Saturday Awards Breakfast Session

Ben Orlin

How to Speak Math

Saturday, November 19

Breakfast Served: 7:45 am – 8:15 am [ticket required] • Program: 8:30 am – 10:00 am

Math is sometimes called the universal language. The phrase resonates partly because it is an oxymoron: a language cannot help reflecting the culture of its speakers, and math is no different. So what would it mean to teach mathematics not as a universal language, but as a foreign one?

Ben Orlin is a bestselling author. He loves math. He cannot draw. Ben received a bachelor's degree in mathematics and psychology from Yale University and has taught mathematics to students of every age from 11 to 18, on a variety of topics from arithmetic to differential equations, and with every level of competence from “Wow, what a fiasco!” to “Hey, that actually went well!”

Ben has written three books: Math with Bad Drawings (2018), Change is the Only Constant: The Wisdom of Calculus in a Madcap World (2019), and Math Games with Bad Drawings (2022). His first book peaked at #4 on the Kindle nonfiction charts, and it was behind three books you didn't want to read anyway, so let's go ahead and call it #1. From the words of mathematician and BBC presenter Hannah Fry, “Ben Orlin is terribly bad at drawing. Luckily he's also fantastically clever and charming. His talents have added up to the most glorious, warm, and witty illustrated guide to the irresistible appeal of mathematics.”

Ben's blog Math with Bad Drawings launched in 2013 and quickly drew millions of views thanks to cartoons such as Why Not to Trust Statistics and Math Experts Split the Check, as well as essays on education: What It Feels Like to Be Bad at Math and The State of Being Stuck.

Ben's work has appeared in The Atlantic, the Los Angeles Times, the Chicago Tribune, Slate, Vox, and Popular Science. He has also contributed cartoons to Eureka Math, the most widely used secondary math curriculum in the United States. Ben shares cartoons regularly on Twitter and Facebook. A resident of Saint Paul, Minnesota, this is his first time in Toronto and he would like to eat all the maple things.
Sunil Singh  
*The Power of Mathematical Storytelling*  
Friday, November 18  •  3:10 pm – 4:00 pm

Why did the romance with mathematics end? How can the love of mathematics be resurrected that is grounded in unique cultural experiences and identify with this subject? His presentation will address these questions and the needed solutions by looking at the global history of mathematics.

Sunil Singh is an author, storyteller, and porous math educator. He taught math, physics, and English for 19 years, including teaching at an International IB school in Switzerland, before embarking on a new journey of sharing his passion for math history and narrative with people all around the world.


Sunil is a graduate of the University of Toronto in education with an emphasis on mathematics, science, and physics. He works at Amplify to help build and curate rich storytelling into the K-12 math platform and at Mathigon as a content writer. He also travels all over North America, speaking and providing creative workshops on K-12 math instruction, including presentations at The Museum of Mathematics, The Fields Institute at the University of Toronto, and The Royal Conservatory of Music in Toronto.

He lives in Toronto and spends his leisure time playing sports, traveling, cooking and baking, going to see concerts and shows, and playing endlessly with his two children.

Stan Yoshinobu  
*Equitable and Inclusive Teaching Practices in College Mathematics*  
Saturday, November 19  •  2:15 pm – 3:05 pm

In this interactive session, attendees will engage in thinking about teaching skills, strategies and classroom scenarios to create equitable, inclusive environments. Research evidence supports the use of inquiry-based learning skills and practices that engage students in sense-making, when implemented with a focus on equity and inclusion.

Stan Yoshinobu is an assistant professor, teaching stream in the Department of Mathematics at the University of Toronto, and Director of the Academy of inquiry-based Learning. Stan holds a B.A. in mathematics from the University of California at San Diego, and a M.A. in mathematics, and Ph.D. in harmonic analysis at the University of California at Los Angeles. He has been teaching courses in undergraduate mathematics and mathematics education for more than 20 years.

An award-winning professor, Stan has been championed for developing workshops that have helped hundreds of college math instructors across the country learn to use inquiry-based learning - a method of learning mathematics that reduces student anxiety and closes the equity gap in the discipline. Stan's passion for providing professional development for faculty goes back to working with K-12 math teachers as part of the California Math Project in 2002, and also working with local school districts and Native Peoples while as a postdoctoral fellow at the University of Arizona.

His scholarly interests include active learning, inquiry-based learning, professional development in higher education, and diversity, equity, and inclusion in education. Stan also writes regularly about education-related topics on The IBL Blog, hosted by The Academy of Inquiry-Based Learning.

Stan enjoys spending time with his wife and two children, hiking, photography, and rooting for the Los Angeles Dodgers.
Are you interested in teaching mathematics through active learning and increasing student engagement in your courses? Are you aiming to transform the teaching and learning of mathematics in your department? Whether you are a novice or expert in active learning, we invite you to the AMATYC Symposium to learn about national efforts to transform the teaching of mathematics. The Symposium is hosted by the NSF-funded Teaching for PROWESS (TIP) project and will include the on-going TIP work to reinvigorate community college mathematics.

Y1 Actively Motivating Active Learning in Mathematics
Friday, November 18 • 8:00 am - 8:50 am
This symposium will focus on innovative strategies for supporting institutional change through implementing active learning in mathematics. Come to this session to learn more about high-impact practices and strategies for actively engaging your students based on research data supporting transformational change.

Y2 Actively Learning Mathematics Through Active Learning
Friday, November 18 • 9:10 am - 11:10 am
Are you interested in actively learning about active learning and strategies for building thinking classrooms? If so, this workshop is for you! Come to participate in activities that promote student engagement and mathematical thinking, then debrief on high-impact instructional practices that support student learning.

Y3 Actively Motivating Transformational Change in Mathematics Education
Saturday, November 19 • 10:45 am - 12:45 pm
Are you interested in actively learning how to transform your department to support innovation? If so, this workshop is for you! Come to participate in activities that include assessing your department and formulating a custom plan for improving an identified area of concern at your college.

Following the title of each regular session and workshop you will find letter codes identifying the general categories that best describe the focus of the presentation. Speakers were asked to identify up to three Program Keys that best describe their presentation. You may use Whova, the conference app with more details coming soon, to filter sessions with specific Program Keys. See below for more details about each Program Key.

** Toronto Program Keys **

** EQ ** Equity and Inclusivity
- Equity, diversity, and social justice in providing mathematics education to all students
- Collaboration with AMATYC leadership, committees and ANets, and Project ACCESS to increase awareness about diversity

** IG ** International, Cultural and General Interest
- Best practices regarding the teaching and learning of mathematics around the world
- Professional development opportunities to infuse global perspective in teaching
- Mathematics or the teaching of mathematics relative to history or any culture or people
- Topics of general interest

** MI ** Math Intensive
- STEM courses: Precalculus, Calculus, and beyond

** MN ** Math for Non-STEM
- Courses such as Quantitative Literacy or Reasoning, Liberal Arts Math, or Finite Math
- Topics such as probability, statistics, or finance which might be used in a QR course

** PD ** Professional Development and Department/Division Interests
- Strategies for helping college faculty improve or evaluate their teaching while discovering and implementing best practices
- Suggestions to address needs, preparation, and inclusion of adjunct faculty
- Ideas for fostering collaboration and community within or between departments and institutions while providing for student success

** RG ** Research and Grants
- Reports on research results and practices, at both classroom and institutional level
- Reports on grant-supported or grant-related activities
- Strategies to obtain funding to undertake research

** SM ** Strategies and Mindset for Student Success
- Improvement of the quality of developmental mathematics programs to better prepare students for success
- Strategies for enabling students to take ownership for learning, deal with math anxiety, and gain confidence to succeed by developing a mathematical mindset.

** ST ** Statistics
- Statistics
- Statistical literacy
- Data science

** TC ** Teaching in Grades K-12 and Applying Math to Other Careers
- Courses to prepare education majors to teach mathematics in K-12
- Mathematics courses for career and technical programs, both terminal and transfer
- Courses such as business statistics or business calculus
- Courses with emphasis on applications and technical communication

** TL ** Technology and E-Learning
- Use of technology in course delivery, engagement of students, or collaboration of students and/or faculty
- Hybrid, blended, or online courses
Thursday, November 17

**Thursday 8:00 am - 9:10 am**

S001 AMATYC 101 – Walk, Talk, and Learn! (PD)
S001A Tour A (8:00 am - 8:50 am)
   Led by Anders (AJ) Stachelek, Northeast VP
S001B Tour B (8:20 am – 9:10 am)
   Led by Dale Johanson, Central VP

**Thursday 8:00 am - 9:35 am**

Themed Session
T4 Math Beyond the Classroom: Transferring Math Skills to the Workplace
T4A Journey to Mars – Math Applications in Space (TC, IG)
   Karen Gaines
T4B Proportional Reasoning and Continuous IV Infusion Rates (TC, MN)
   Beth Kelch, Daniel Ozimek
T4C Analyze That Data! (TC, ST)
   Michael Heeren, Fred Sakon
T4D Corequisite Math, Contextualized General Education for Tech Programs (TC, RG)
   Elizabeth Weaver
T4E Looking at Math as an Educator (TC)
   Natalia Postrigan

**Thursday 8:00 am - 9:55 am**

Themed Session
T1 Sharing Space: Equity Centered on Students and Faculty
T1A Equity Begins with Your Syllabus (EQ, SM)
   Rebecca Wong
T1B Taking Baby Steps to Get Faculty Buy-in on Equity (EQ, PD)
   Anne Vance
T1C Equity and Inclusion Professional Development – Ideas and Materials (EQ, PD)
   Johanna Debrecht
T1D Creating a Math Course Syllabus That Reflects Diversity and Inclusion (EQ, IG, SM)
   Veon Stewart
T1E Diverse Candidates Encouraged to Apply (EQ)
   Gabriel Porrata Vallejo
T1F Pursuing Equity-Minded Practices (EQ, PD)
   Sidra Van De Car, Ryan Kashia, Dori Haggerty

Themed Session
T2 Student Engagement Strategies in Developmental Math Courses
T2A Student Engagement Benchmarks (SM, PD, PS)
   Kim Granger
T2B Strategies to Promote Student Engagement with Active and Collaborative Learning (SM, PD, PS)
   Jessica Bernard, Wendy Fresh
T2C Strategies to Promote Student Engagement with Student Effort (SM, PD, PS)
   Mari Menard
T2D Strategies to Promote Student Engagement with Academic Challenge (SM, PD, PS)
   Kathryn Van Wagoner
T2E Strategies to Promote Student Engagement with Student-Faculty Interaction (SM, PD, PS)
   Ben Moulton
T2F Strategies to Promote Student Engagement with Support for Learners (SM, PD, PS)
   Katie Smieja, Jana Anderson

Themed Session
T3 Fresh Approaches to Familiar Upper-Level Concepts
T3A Proving Mathematical Conjectures Using Boolean Satisfiability Solvers (MI)
   Alexander Atwood
T3B A Practical Approach to Introducing Proofs in Linear Algebra (MI)
   Chris Bailey
T3C Integration by Parts, Live in 3D (MI)
   Clarance V. Baney
T3D Creating Factorable Polynomials with Missing Terms (MI)
   Eric Hutchinson
T3E Extreme Differential Equations: DAEs Are Not ODEs (MI)
   Ahmed Rashed
T3F Parabolas in Paradise (MI)
   Amber Severson, Erin Richgels

**Thursday 9:10 am - 10:00 am**

M01 AMATYC IMPACT – Mathematics Standards in the First Two Years of College Committee Meeting
   Chair: Julie Phelps

**Thursday 10:20 am - 11:10 am**

M02 Research in Mathematics Education for Two-Year Colleges ANet Meeting
   Chair: Frank Marfai

S002 Community-Building and Engagement in Two HyFlex Classrooms (MI, TL)
   Gabriel Tarr, Phillip Clark
S003 Global Perspectives: Shared Space for Professional Innovation (IG, PD)
   Barbara Leitherer, Irene Duranczyk, Roy Dwarka, Jon Oaks
S004 CalcPlot3D: An Aid to Visualization in Calculus (MI, TL)
   Johanna Debrecht
S005 Exploring Mathematics Help-Seeking Behaviors at Two-Year Colleges (EQ, SM)
   Ervin China, April Crenshaw
S006 Proactive and Positive Ways to Engage Students with Academic Integrity (EQ, SM)
   Jessica Bernard, Wendy Fresh
S008 Welcoming a New Vision in Mathematics Education (PD, RG)
   Karen Gaines
S009 Math in Context: COVID-19 as a Data Source (IG, MN, SM)
   Dave Sobecki
S010 Math & Madness – Ways to Welcome New Mathematicians Into the Fold (SM, IG)
   Seth McElvaney, Claire McElvaney
**Thursday, November 17**

**Thursday 11:30 am - 12:20 pm**

- **M03** Innovative Teaching and Learning ANet Meeting
  Chair: Jennifer Ackerman

- **S017** The Beauty of Mathematics in Beethoven's Compositions (IG)
  Paula Wilhite

- **S018** Mathematical Modeling in Undergraduate Calculus (MI, SM)
  Keith Nabb

- **S019** Chairs' Sharing Session (PD)
  Christine Mirbaha, Chris Ward

**Thursday 11:30 am - 12:25 pm**

**Mini Sessions**

A: 11:30 am - 11:55 am  B: Noon - 12:25 pm

See page 18 for more information.

- **S011A** Teaching Statistics: From High School to College, and Beyond (PS, ST)
  Natalia Pshenitsyna

- **S011B** A Dual Enrollment Statistics Pathway Partnership: Equity & Success (PS, ST)
  Christopher Wu

- **S012A** Feeling Welcome: Assignments for Student Success During COVID-19 (SM)
  Rachel Frankel

- **S012B** Effective Strategies to Improve Retention in Developmental Mathematics (SM, PS)
  Gowribalan (Ana) Vamadeva

- **S013A** Learning Activities for Calculus using 3D-Printed Surfaces (MI, TL)
  Paul Seeburger

- **S013B** Welcome to the World of Transformations (IG, TL)
  Amanda Klinger

- **S014A** Here Is Your Next Assignment Question ... (PD, PS, SM)
  Don Vander Klok

- **S014B** Memes as Pedagogy (SM)
  Peter Keep

- **S015A** Liberal Arts Mathematics: What Should It Look Like? (MN)
  Saburo Matsumoto

- **S016A** Welcome to the Book Club! (PD, SM)
  Cindy Moore, Tammy Sullivan

**Thursday 12:40 pm - 1:30 pm**

- **M04** Equity ANet Meeting
  Chair: Benjamin Aschenbrenner

- **S020** Equitably Teaching Mathematics (EQ, SM)
  Kevin Dykema

- **S021** Sing, Sing a Song: Using Songs to Teach Math and Statistics (IG, SM, ST)
  Pat Barrientos

**Thursday 1:50 pm - 2:40 pm**

- **S022** Exploring Properties of Sequences Through Inquiry-Oriented Instruction (MI, RG)
  Chris Imm, Mark Yannotta

- **S023** From Passive to Active: Project-Based Assessment (MN, SM, TL)
  Jennifer Lawhon, Sidra Van De Car

- **S024** Servingness in STEM Math Pathways: A Culturally Affirming Curriculum (EQ, PS, MI)
  Guadalupe Lozano

- **S025** ASPIRE: Lessons From 10 Illinois Colleges Reforming Developmental Math (EQ, PD, PS)
  Kathleen Almy

- **S026** Polygons & Paper-Folding Art + Proportions and Metrics? (IG, TC, PS)
  Kari Arnoldsen

- **S027** The Magic of Numbers (IG, MN, TC)
  Vincent LoCascio

- **S028** Let's Get Together! Group Presentations for Online Classes (MN, SM, TL)
  Brandy Englert

**Thursday 12:40 pm - 1:30 pm**

- **M05** Division/Department Leadership ANet Meeting
  Chair: Chris Ward

- **S029** These Hands-On Activities Fit Right into Your Class – You're Welcome! (PD, SM, TL)
  Jennifer Ackerman, Tiané Ellis

- **S030** RMETYC Sharing Session (RG)
  Frank Marfai

- **S031** A Holistic Approach to Quantitative Literacy (MN, SM)
  Lorraine Gale, Carrie Quesnell

- **S032** How Many Points Is That Worth? Assessing Problem Solving with Rubrics (PD, SM)
  Dennis Runde

- **S033** A Problem Solving Based Developmental Math Course (PS, SM)
  Briana Mills, Becca Richardson

- **S034** Active Learning Strategies for Calculus (MI)
  Robert Cappetta

- **S035** A Statistics Corequisite Course: The Student Perspective (PS, SM, ST)
  Jana Anderson

- **S036** Author! Author! (IG, PD)
  George Alexander, Johanna Debrecht, Keith Nabb

- **S037** Alternative Grading Practices (EQ, PS, SM)
  Kelly Spoon, Lisa Feinman, Jessie Oehrlein, Christina Holdiness

- **S038** Affilate Sharing Session (EQ, PD, PS)
  Maria Sairoglou, Philomena D'Alessandro, Corey Pyne
Thursday, November 17

✦ Thursday 3:00 pm - 4:30 pm ✦

Thursday Keynote Session

Remarks by
Laura Watkins, AMATYC President

Speaker: Peter Liljedahl
Building Thinking Classrooms

✦ Thursday 4:30 pm - 7:00 pm ✦

Grand Opening of the AMATYC Exhibits

Visit the publishers and other exhibitors – talk to sales representatives, authors, and editors!

Forums

AMATYC Forums for positions statements have been held virtually throughout the year rather than on Thursday evening during the conference.

Impromptu Room

This year’s informal breakout room will be available for conversation and collaboration beginning at 9:10 am on Thursday. It will close on Saturday after the last session ends on 4:15 pm. If you already know the topic you would like to discuss, sign up Wednesday night, near the Registration area. Easels will be waiting for you outside Cedar. Share your scheduled get-togethers on the conference app Whova. Check regularly for new additions to the signs. In previous years, the Impromptu Room has been used to discuss a “hot topic” that came to mind right before the conference or to meet up to continue discussions begun in sessions or meetings.

Research Session

Sponsored by the Research in Mathematics Education for Two-Year Colleges ANet

Keynote Session – 7:00 pm - 7:50 pm
R1 Scholarship That Welcomes Mathematics Educators and Inquiry (RG)
Megan Breit-Goodwin

Breakout Sessions – 8:00 pm - 8:30 pm
R2 Probing Mathematical Knowledge for Teaching Using Cognitive Interviews (RG)
Bismark Akoto, Dexter Lim

R3 Student Thinking in Algebra Around Substitution Equivalence (RG)
Claire Wladis

R4 Golub-Kahan Tikhonov Methods for Systems with Multiple RHS (MI, RG)
Enyinda Onunwor

Breakout Sessions – 8:40 pm - 9:10 pm
R5 Professional Development to Increase Uptake of IBL Teaching (RG)
Tim Archie, Sandra Laursen

R6 Planning Lessons for Exponential Functions in a Community College (RG)
Dexter Lim

R7 Outcomes of the Pilot MKT-CCA (RG)
Patrick Kimani, Inah Ko

Breakout Sessions – 9:20 pm - 9:50 pm
R8 Studying the Impact of Cures on Students (RG, EQ)
Frank Marfai

R9 Incorporating Diversity, Equity, and Inclusion in Intro Statistics (EQ, ST, RG)
Asli Muthu

PRESIDENTIAL EXCHANGE SPEAKERS

Thursday, 12:40 pm - 1:30 pm
S020 Equitably Teaching Mathematics (EQ, SM)
Kevin Dykema, National Council of Teachers of Mathematics (NCTM) President

Friday, 10:20 am - 11:10 am
S045 Epic Math Battles: Counting vs Matching (IG, MI)
Jennifer Quinn, Mathematical Association of America (MAA) President

Friday, 4:20 pm - 5:10 pm
S069 Normalizing Help-Seeking Behaviors in Math Students (IG, PD, SM)
Meredith Sides, National Organization for Student Success (NOSS) President, Glynis Mullins, National Organization for Student Success (NOSS) President-Elect

Saturday, 10:45 am - 11:35 am
S076 Creating Welcoming Spaces Through the Lens of Indigenous Worldviews (EQ)
Florence Glanfield, TODOS: Mathematics for ALL President

Saturday, 3:25 pm - 4:15 pm
S105 Leadership for Culturally Relevant Instruction (EQ, IG, TC)
Paul Gray, National Council of Supervisors of Mathematics (NCSM) President
Friday, November 18

**Symposium**
Implementing Active Learning in Mathematics (Teaching for PROWESS)

**Y1** Actively Motivating Active Learning in Mathematics (EQ, PD, RG)
Chris Rasmussen

**Friday 8:00 am - 9:15 am**

**Themed Session**

**T7** Welcome to Leadership: Strategies for Embracing the Challenge

**T7A** How to Have Difficult Conversations (PD)
Vicki Todd

**T7B** Supporting Faculty with Student Issues (PD)
Chris Ward, Lori Holdren

**T7C** Effective Meetings (PD)
Enyinda Onunwor

**T7D** How Does a Leader Lead? (PD)
David S. Torain II

**Friday 8:00 am - 9:55 am**

**Themed Session**

**T5** International Mathematics Has No Limits

**T5A** Connecting with Math Research Across the Globe: Topics and Methods (IG, RG, EQ)
Irene Duranczyk

**T5B** Managing Social Perceptions Through Politicized Mathematical Problems (IG)
Bukurie Gjoci

**T5C** A Global Application for an Applied Algebra and Trigonometry Course (IG)
Jignasa Rami

**T5D** A Comparative Study of Who “Likes to Learn Math” in the U.S. vs Taiwan (IG, SM)
Grace Pai

**T5E** Adding a Global Lens to Mathematics Teaching with the Cricket Game (IG, EQ)
Radhakrishnan Palaniswamy

**T5F** Zero to Infinity: Mathematics from Ancient India (IG)
Manisha Ranade, Pankaj Roy Dwarka

**Friday 9:10 am - 11:10 am**

**Symposium**
Implementing Active Learning in Mathematics (Teaching for PROWESS)

**Y2** Actively Learning Mathematics Through Active Learning (EQ, PD, RG)
April Ström, Scot Pruyn, Trey Cox

**Friday 10:20 am - 11:10 am**

**M06** Placement and Assessment ANet Meeting
Chair: Christine Mirbaha

**S039** Development of OER Statistics Course with Simulation-Based Inference (SM, ST)
Elizabeth Jones, Alia Criddle

**S040** Calculus: An Ever Changing R.I.D.E. (IG, MI)
Dusty Wilson, Ricardo Cordero-Soto

**S041** Expanding Viewpoints on Equity – A Minority Perspective (EQ, PD)
Tiané Ellis

**S042** Changes in Mindset within Activities That Inspire Student Success (SM)
Elayn Martin-Gay

**S043** Lessons Learned From Cognitive Interviews for Teaching College Algebra (RG)
Bismark Akoto, Dexter Lim, Irene Duranczyk, Nicole Lang

**S044** AMATYC Grant Series: NSF Funding Opportunities
2YC Math Faculty (RG)
Mindy Capaldi, Michael Davis, Kalyn Shea Owens

**S045** Epic Math Battles: Counting vs Matching (IG, MI)
Jennifer Quinn

**S046** The Controversy Surrounding the P-Value (ST)
Marty Triola

**S047** Mathematics and Music: The Harmonious Duet! (IG)
Sean Saunders

**Friday 11:10 am – 11:45 am**

**Dedicated Exhibit Time**

Visit the publishers and other exhibitors – talk to sales representatives, authors, and editors!

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**Wireless High-Speed Internet Service (WiFi)**

Complimentary WiFi will be available in all guest rooms booked in the AMATYC block of rooms and in all meeting spaces.
Friday, November 18

Friday 11:45 am - 1:15 pm
Regional Meetings & Luncheons*

- Northeast - Anders (AJ) Stachelek
- Southeast - Alvina Atkinson
- Central - Dale A. Johanson
- Northwest - Sarah Paulley
- Mid-Atlantic - Dennis Ebersole
- Midwest - Brandon Bartley
- Southwest - Shannon Ruth
- West - Eddie A. Tchertchian

Lunch Served: 11:45 am - Noon
- Ticket Required for Lunch Portion
- Meetings Open to All Attendees

*States, provinces, and territories for each region will be listed in the conference app.
For a description see page 18

Friday 1:15 pm - 2:00 pm
Dedicated Exhibit Time
Visit the publishers and other exhibitors – talk to sales representatives, authors, and editors!

Friday 2:00 pm - 2:55 pm
Mini Sessions
A: 2:00 pm - 2:25 pm  B: 2:30 pm - 2:55 pm
See page 18 for more information.

M07 Statistics ANet Meeting
Chair: Rebecca Wong

S054 The Unsteady Invisible Hand (IG)
Gordon Craig

S055 Culturally Responsive Andragogy for Increased Participation and Success (EQ, IG, SM)
Michael Little-Crow

S056 Placement and Assessment Sharing Session (PD, PS, SM)
Christine Mirbaha

S057 Add Data Sampling to Calculus and Differential Equations Problems (MI, ST)
Chris Oehrllein

Friday 2:00 pm - 4:00 pm

PS You're Welcome! ... to AMATYC’s Poster Session
(See page 9 for a list of posters.)

Friday 3:10 pm - 4:00 pm

M08 Pathways ANet Meeting
Chair: Helen Burn

S058 Calculus Reform (Again?) (EQ, MI, PD)
Saburo Matsumoto

S059 Adventures in Self-Placement (PS)
Marcus Szwankowski, Jennifer Jameson

S060 A Decade Evolution with Desmos (PD, TL)
Luke Walsh

S061 Learning to Talk About Racism in Quantitative Reasoning (EQ, MN)
Benjamin Aschenbrenner

Featured Speaker
S062 The Power of Mathematical Storytelling (EQ, IG, MI)
Sunil Singh

S063 Starting Line: Faculty Onboarding Made Easy (PD, TL)
Sonia Petch, Martha Chalhoun, Kyle Kundomal, Elizabeth Johnson

S064 An Introductory Cryptology Class for Both Math and Non-Math Majors (MI, MN, PD)
Jennifer Bready

S065 Incorporating Diversity, Equity, and Inclusion in Statistics (EQ, ST, TL)
Asli Mutlu

S066 Modernizing Introductory Statistics: Let’s Start with Technology! (ST, TL)
Daren Starnes

Friday 3:10 pm - 5:10 pm

W01 Reimagining Activities for the Modern Statistics Classroom (EQ, ST, TL)
Roxy Peck, Jennifer Broatch, Frank Savina
Friday, November 18

**Friday 4:20 pm - 5:10 pm**

M09 **Mathematics and Its Application for Careers ANet Meeting**
Chair: Natalia Pustrigan

S067 **Positive Results of the Pandemic: It’s All About the Silver Lining (PD, PS)**
Julie Phelps

S068 **How Research Experiences for Undergraduates (REU) Can Benefit CCs (EQ, MI, RG)**
Miriam Harris-Botzum, Lucy Martinez, Alicia Prieto Langarica, Tamas Forgacs

S069 **Normalizing Help-Seeking Behaviors in Math Students (IG, PD, SM)**
Meredith Sides, Glynis Mullins

S070 **How to Design a Clear and Effective Contract Grading System (PD, SM)**
James Sheldon

**Friday 6:00 pm - 8:00 pm**

**AMATYC Ignite 2022**

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### Poster Session

Friday, November 18  •  2:00 pm - 4:00 pm

<table>
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<tr>
<th>P01</th>
<th>Increasing Student Satisfaction and Success with Statistical Computing (ST)</th>
<th>P13</th>
<th>Homework Changes and Course Performance (SM)</th>
<th>P26</th>
<th>Boosting Students’ Confidence in Mathematics Through Service Learning (IG, SM)</th>
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<tbody>
<tr>
<td></td>
<td>Lara Bauman</td>
<td></td>
<td>Colby Keslar</td>
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<td>Yeon Stewart</td>
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<td>P02</td>
<td>Project-Based Assessment in Calculus Mini-Session (MI, SM)</td>
<td>P14</td>
<td>100% Course Completion (PD, SM)</td>
<td>P27</td>
<td>A Brief Analysis of the Effect of “Storytime Exams” on Test Anxiety (MI, SM)</td>
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<td></td>
<td>Joseph Bowling</td>
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<td>Lengchivon Kou</td>
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<td>Andy Taylor</td>
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<tr>
<td>P03</td>
<td>Corequisite vs Prerequisite for Intermediate Algebra (MI, PS)</td>
<td>P15</td>
<td>Student Success in Online-Live Math Classes (SM, TL)</td>
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<td>P28 Analysis of Question Type for Dual Credit Students in College Algebra (SM)</td>
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<td></td>
<td>James Chadic</td>
<td></td>
<td>Violeta Kovacev-Nikolic</td>
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<td>Whitney Turner</td>
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<tr>
<td>P06</td>
<td>Do Whiteboards Increase Student Motivation and Math Understanding? (SM)</td>
<td>P16</td>
<td>Arithmetic Fluency and Student Outcomes (SM)</td>
<td>P29</td>
<td>Interventions that Work: Fostering Community in Developmental Math (SM)</td>
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<td>Taylor Darwin</td>
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<td>Thomas Leszczynski</td>
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<td>Nancy-Elizabeth Wentzel</td>
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<td></td>
<td>Amanda Davis</td>
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<td>Lori Lewis, Justin Davis</td>
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<td>Emily Whittington</td>
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<td>P08</td>
<td>New to Full-Time Teaching? Check Out Project ACCCESS! (PD)</td>
<td>P18</td>
<td>Effect of Active Learning on Student Success in Intermediate Algebra (SM)</td>
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<td>P31 Active Learning in a Live Online Environment (SM, TL)</td>
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<tr>
<td></td>
<td>Lisa Feinman</td>
<td></td>
<td>Madilyn Marshall</td>
<td></td>
<td>Tawanna Wilson</td>
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<tr>
<td>P09</td>
<td>Facilitating Collaboration Using myAMATYC (PD, TL)</td>
<td>P20</td>
<td>The Advantages and Disadvantages of Adaptive Online Homework (SM, TL)</td>
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<td>P32 Encouraging Spaced Practice for Increased Student Success (SM)</td>
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<td></td>
<td>Karen Gaines</td>
<td></td>
<td>Samuel Pinkawa</td>
<td></td>
<td>Christel Wohlfaka</td>
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<td>P10</td>
<td>The Use of Models in Teaching About Volumes of Rotation (MI, SM)</td>
<td>P21</td>
<td>An eLearning Approach (SM)</td>
<td></td>
<td>P33 Flipping a Module in an Elementary Statistics Course (ST)</td>
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<tr>
<td></td>
<td>Leslie Glen</td>
<td></td>
<td>Radhiaka Ramjee</td>
<td></td>
<td>Katrina Wono</td>
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<tr>
<td>P11</td>
<td>Experiencing Sampling Variation Early and Often in Statistics (ST, TL)</td>
<td>P22</td>
<td>Strategies for Student Success in Online Courses (EQ, SM, TL)</td>
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<td></td>
<td>Carol Howald</td>
<td></td>
<td>Kathy Renfro</td>
<td></td>
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<tr>
<td>P12</td>
<td>Quick Reviews for Retaining Mathematics Concepts (SM)</td>
<td>P23</td>
<td>The Impact of Written Assignments on Students’ Learning (MI, SM)</td>
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<tr>
<td></td>
<td>Teresa Jennings</td>
<td></td>
<td>Basanti Sharma Poudyal</td>
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<td></td>
<td></td>
<td></td>
<td>Mayra Sierra</td>
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</tr>
</tbody>
</table>
Saturday, November 19

☀️ Saturday 7:45 am - 10:00 am ☀️

Saturday Awards Breakfast Session
Breakfast Served: 7:45 am - 8:00 am*  
(*Ticket Required)
Program: 8:30 am - 10:00 am

Presentation of Awards
Laura Watkins, AMATYC President
Speaker: Ben Orlin  
How to Speak Math

☀️ Saturday 10:00 am - 10:45 am ☀️

Dedicated Exhibit Time
Visit the publishers and other exhibitors – talk to sales representatives, authors, and editors!

☀️ Saturday 10:45 am - 11:35 am ☀️

M10 Adjunct Faculty Issues ANet Meeting  
Chair: Patricia Barrientos
S076 Creating Welcoming Spaces Through the Lens of Indigenous Worldviews (EQ)  
Florence Glanfield
S077 Norming Your General Education Mathematics Assessment Rubrics (PD, PS)  
Laura Iossi
S078 Student Support Tools and Strategies in Developmental Math Courses (SM)  
Kim Granger
S079 Use the Desmos “Play Sounds” to Assess with Non-searchable Questions (MI, SM, TL)  
Rob Eby
S080 The IMPACT of Projects: QR Students Making Connections (MN, SM)  
Lori Holdren
S081 Writing-Intensive Outcomes-Based OER Precalculus Course with No Tests? (MI)  
Jessica Hoppe

☀️ Saturday 10:45 am - 12:45 pm ☀️

Symposium
Implementing Active Learning in Mathematics (Teaching for PROWESS)
Y3 Actively Motivating Transformational Change in Mathematics Education (EQ, PD, RG)  
Michael Price, Pamela Woodbury, Mark Yannotta
W02 Engagement via Escape Room Puzzles – Experience and Learn to Create (IG, SM)  
Vicky Mayfield, Sherri Warren

☀️ Saturday 11:55 am - 12:45 pm ☀️

M11 International Mathematics ANet Meeting  
Chair: Barbara Leitherer
S082 Engagement, Ownership, and Social Justice in a Technical Math Course (EQ, SM, TC)  
José María Menéndez
S083 Engaging Activities for Elementary Math Content Courses (SM, TC)  
Xianwei Van Harpen, Keith Nabb, Christine Lucas
S084 Teaching Experimental Design with a Web-Based, Simulated Population (ST, TL)  
John Bennett
S085 Coreqs Done Right (MN, PD, PS)  
Brian Mercer
S086 Mathematics Intensive Sharing Session (MI)  
Robert Cappetta, Mike Caparula, Eric Hutchinson
S087 Adjunct Faculty Sharing Session (PD)  
Patricia Barrientos

☀️ Saturday 1:05 pm - 1:55 pm ☀️

M12 Teacher Preparation ANet Meeting  
Chair: Mark Kuhlman
M13 Mathematics for Liberal Arts ANet Meeting  
Chair: Gregory Foley
S088 Vector Calculus Reimagined (MI)  
Jeff Eldridge
S089 Justice Through the Lens of Calculus: Findings from the MAA (EQ, MI, PD)  
Helen Burn, Matthew Voigt
S090 Ungoogleable Test Questions – Do They Even Exist? (SM, TL)  
Evan Evans
S091 Dice and Danger: Roleplaying Adventures in Problem-Solving (IG)  
Steven Zollinger
S092 Getting Students Excited for Statistics! (ST)  
Kelly Spoon
S093 Partial Credit: You’re Welcome or You’re Worried? (PD, SM)  
Anne Vance
S094 All Students Can Complete Math in One Semester! A Co-Requisite Model (PD, PS, SM)  
Kristi Laird, Erik Brown, Brian Gemalsky, Jamie Shepherd

☀️ Saturday 2:15 pm - 3:05 pm ☀️

M14 Developmental Mathematics ANet Meeting  
Chair: Kim Granger
S095 Using OneNote for Student Engagement in Hybrid and Online Courses (PD, TL)  
Brandon Elmes
S096 Five Remarkable Numbers: 0, 1, e, π, and i (IG, MI)  
David Price, Elise Price

2023 Conference Planning Meeting  
10:45 am - 12:45 pm
Saturday, November 19

S097 Making Collaborative OER Content Work For You (PD, SM)
Ruth Trygstad, Spencer Bartholomew, Shawna Haider

S098 Teaching to Succeed in a Mixed Environment (SM, TL)
Dayna Ford

S099 Improving Pedagogical Content Knowledge and Teacher Affect (SM, TC)
Debra Ward, Lindsey Gerber

S100 Calculus Escape Room – Can You Get Out? (IG, MI, SM)
Marty Kellum

Featured Speaker
S101 Equitable and Inclusive Teaching Practices in College Mathematics (EQ, PD)
Stan Yoshinobu

Saturday 2:15 pm - 4:15 pm

W03 Connecting Industry to Mathematics Instruction (RG, TC)
Julia Smith, John Pritchett

Sunday, November 20

Sunday 8:15 am - 9:05 am

S109 Accountability and Student Engagement in Hybrid Learning Environments (SM, ST, TL)
Christina Elliott, Susan Mosteller

S112 Enhancing Equity with Course-Based Undergraduate Research Experiences (RG, ST)
Frank Marfai

Sunday 9:25 am - 10:15 am

S113 Recommendations Into Actions: Improving Math Education for Nurses (IG, MN, TC)
Daniel Ozimek, Joan Zoellner, Beth Kelch, Lindsay Good

S114 Integrating Social Justice Discussions in Introductory Statistics (EQ, ST)
Mark Earley

Sunday 3:25 pm - 4:15 pm

M15 Mathematics Intensive ANet Meeting
Chair: Robert Cappetta

S102 A Finite Look at Some Works of Ramanujan, “The Man Who Knew Infinity” (IG, MI)
George Soliman

S103 Using Retrieval Practice to Improve Mathematical Learning and Thinking (SM)
Jason Farrington

S105 Leadership for Culturally Relevant Instruction (EQ, IG, TC)
Paul Gray

S106 Share Your Classroom Ideas for Teacher Preparation Courses (TC)
Mark Kuhlman

S107 Implementing Inclusive Active Learning: A Mentoring Model for Faculty (EQ, PD, RG)
Sidra Van De Car, Ryan Kash, Dori Haggerty

Virtual Conference Days

Although we will say our goodbyes in Toronto, the conference will continue! Join us on Friday, December 2, and Saturday, December 3, for this year's AMATYC Virtual Days, hosted in the Whova conference app. Explore more innovative ideas and great virtual-only sessions. Visit our exhibitors in their virtual booths. Continue the networking started in Toronto, and connect with additional conference participants through virtual meetups in Whova. The conference will officially wrap up with the Delegate Assembly on Saturday afternoon. Toronto conference registration includes the AMATYC Virtual Days, or you can register for Virtual Days only. See pages 12-14 for registration information.

Toronto Farewells

Laura Watkins, AMATYC President
+ Preview of the Delegate Assembly to be held virtually Saturday, December 3
+ Opportunities to get more involved in AMATYC
+ Preview of Toronto virtual conference days, December 2-3
+ Preview of next year's conference in Omaha
+ Toronto Adjournment
American Mathematical Association of Two-Year Colleges
48th Annual Conference • Register online at www.amatyc.org

If registering using the Institutional Membership, do not use this form. Instructions on how to register online have been emailed to the contact person at your institution. Call the AMATYC Office at 901.333.5643 if you have any questions.

☐ Check here if this is your first AMATYC conference (see page 17 for details). If first conference, you are encouraged to attend “AMATYC 101” (S001) and to accept the invitation you will receive to participate in the “You’re Welcome in Toronto” webinar. If you qualify, are an AMATYC member, and are registering prior to the end of the discount registration period, select registration item B on the next page.

Name ____________________________________________________________

For Name Badge __________________________________________________

Member ID# ______________________________________________________

Preferred mailing address is: ☐ College/Institution ☐ Home

College __________________________________________________________

College Address __________________________________________________

City ___________________________ State __________ Zip ____________

College Phone(_______) _____________

Email Address ____________________________________________________

☐ Check here if you wish to be included on the list provided to vendors (for invitations to special events, commercial presentations, and other activities).

Will you be bringing a Guest(s)? (See page 17 for eligibility.)

Please type or print guest’s name as it should appear on name badge.

☐ Check here if this phone is a cell phone.

Residence Address ________________________________________________

City ___________________________ State __________ Zip ____________

Residence Phone(_______) ______________

Emergency Contact ______________________________________________

Phone(______) ________________________

ADA Accommodations or Dietary Restrictions: See page 18 for instructions.

<table>
<thead>
<tr>
<th>Registration Method</th>
<th>Discount Registration</th>
<th>Regular Registration</th>
<th>On-Site Registration</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAIL (3 pages) using check or credit card</td>
<td>Registration AND payment must be postmarked BY September 30, 2022.</td>
<td>Registration AND payment postmarked AFTER September 30, 2022. Registrations sent by mail must be postmarked by October 18, 2022. After this date it will be necessary for attendee to bring form and payment with them and register on-site.</td>
<td>Registrations sent by mail must be postmarked by October 18, 2022.</td>
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<tr>
<td>Payment must accompany purchase order.</td>
<td></td>
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</tr>
<tr>
<td>ONLINE using a credit card</td>
<td>Registration AND credit card information must be completed BY October 7, 2022.</td>
<td>Registration AND credit card information completed AFTER October 7, 2022.</td>
<td></td>
</tr>
<tr>
<td>FAX (3 pages) to 901.333.5651 using a credit card</td>
<td>Registration AND credit card information must be completed BY October 7, 2022.</td>
<td>Registration AND credit card information completed AFTER October 7, 2022. Please do not fax form and credit card information after October 18, 2022. It will be necessary for attendee to bring form and payment with them and register on-site.</td>
<td></td>
</tr>
<tr>
<td>IN PERSON using cash, check, or credit card</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Register in person on-site and pay regular rate.</td>
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Purchase Orders and Receipts: AMATYC accepts a purchase order ONLY if it is accompanied by payment. Every registration form received in the AMATYC Office or completed online will receive an email receipt. If you do not receive an email receipt, contact the AMATYC Office.

Refund Policy: A refund of 100% of your registration fee less a $25 service fee will be given upon receipt of a written request postmarked by November 2, 2022. A 50% refund less a $25 service fee will be given if your written request is postmarked on or after November 3, 2022, and by November 16, 2022. NO refund will be given for requests postmarked on or after November 17, 2022. NO refund will be given for memberships dues. Requests for return of overpayments must be in writing and received by the AMATYC Office no later than December 15, 2022. All requests should be sent to the AMATYC Office. Refunds for registration fees will be processed two to four weeks after the conference according to the refund policy outlined above. Exceptions to this policy may be approved in some extenuating circumstances. Please email the AMATYC Office, amatyc@amatyc.org, for more information.

Having Trouble?

• Some institutions have “transaction limits” that are separate from your “monthly limit.” If your card is declined, you may need to check your limit with your business/procurement office.

• Another common problem is the vendor type. AMATYC’s credit-card processor has labeled us “Dues, Event Registration, and eStore.” You may need to check with your business/procurement office to see if this is an approved vendor type.

If you have any questions, please contact the AMATYC Office at 901.333.5643 or by email at amatyc@amatyc.org.

Send completed registration form (3 pages) with payment to

AMATYC, 5983 Macon Cove, Memphis, TN 38134

Continue to next page ➔
A. DUES

To be eligible for the member registration rates, membership must be current. Current members with an expiration date of 11/20/2022 or earlier, must renew their dues before registering for the conference in order to take advantage of the member registration rate. Anyone who joins AMATYC may select the member registration rates. If you are not sure of your membership status, please contact the AMATYC Office at 901.333.5643 or amatyc@amatyc.org for assistance.

Check one

<table>
<thead>
<tr>
<th>Member Types</th>
<th>Rates</th>
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<tr>
<td>Individual Membership - One year</td>
<td>$98</td>
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<tr>
<td>Individual Membership - Two years</td>
<td>$191</td>
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<tr>
<td>Individual Membership - Three years</td>
<td>$279</td>
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<td>Individual Membership - Lifetime</td>
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<td>Adjunct Membership</td>
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<td>Retired Membership</td>
<td>$49</td>
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<tr>
<td>Associate (Students who are not mathematics educators)</td>
<td>$10</td>
</tr>
<tr>
<td>Institutional — For information, please contact the AMATYC Office at 901.333.5643.</td>
<td></td>
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</table>

B. REGISTRATION

Persons with current AMATYC membership are eligible to use Categories A, B, D, F, or G. Individuals who join or renew their membership with conference registration are also eligible to use Categories A, B, D, F, or G. Retirees are eligible to use Category F. Adjuncts are eligible to use Category G. Registrants who select Categories A, B, D, F, or G, but whose membership cannot be verified as current will be required to either (1) pay non-member rates shown in Categories C or E or (2) join AMATYC and pay membership dues before their registration can be processed. Persons attending for the first time who are AMATYC members and who register by the Discount Registration deadline are eligible to use Category B.

<table>
<thead>
<tr>
<th>Check one</th>
<th>Payment must accompany registration form. (Payment must accompany a purchase order.) Fax and Web registration payment must be by credit card.</th>
<th>Make appropriate selection(s) where applicable</th>
<th>Discount Registration</th>
<th>Regular Registration</th>
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<tbody>
<tr>
<td>A</td>
<td>In-Person Conference (November 17-20, 2022)</td>
<td></td>
<td>Postmark by Sept. 30 or via Web or Fax by Oct. 7</td>
<td>Postmark after Sept. 30 or via Web or Fax after Oct. 7</td>
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<td>All in-person registration types include the two virtual days of the conference.</td>
<td></td>
<td>$405</td>
<td>$445</td>
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<tr>
<td>A</td>
<td>Registration, Current AMATYC Member</td>
<td>Select meals on p. 14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Registration, Current AMATYC Member AND FIRST-TIME ATTENDEE</td>
<td>Select meals on p. 14</td>
<td>$355</td>
<td>Not Available</td>
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<tr>
<td>C</td>
<td>Registration, NON-Member, not joining at this time or lapsed member, not renewing at this time (this rate does not include membership)</td>
<td>Select meals on p. 14</td>
<td>$528</td>
<td>$568</td>
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<tr>
<td>D</td>
<td>Registration, Current AMATYC Member, SINGLE-DAY Attendee</td>
<td>☐Thu ☑Fri ☐Weekend NO meals included; may purchase meal for day selected on p. 14</td>
<td>$155</td>
<td>$195</td>
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<td>E</td>
<td>Registration, NON-Member or lapsed member, SINGLE-DAY Attendee</td>
<td>☐Thu ☑Fri ☐Weekend NO meals included; may purchase meal for day selected on p. 14</td>
<td>$180</td>
<td>$220</td>
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<tr>
<td>F</td>
<td>RETIREE Registration, Current AMATYC Member</td>
<td>NO meals included; purchase meals on p. 14</td>
<td>$205</td>
<td>$245</td>
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<td>G</td>
<td>ADJUNCT Registration, Current AMATYC Member</td>
<td>Select meals on p. 14</td>
<td>$270</td>
<td>$310</td>
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<tr>
<td></td>
<td>STUDENT Registration: Please contact the AMATYC Office for more information regarding member-sponsored student registration rates.</td>
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<td>Virtual Days Only (December 2–3, 2022)</td>
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<td>All in-person registration types include the two virtual days of the conference</td>
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<td></td>
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<tr>
<td>H</td>
<td>Registration, Current AMATYC Member</td>
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<td></td>
<td>$25</td>
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<tr>
<td>I</td>
<td>Registration, NON-Member or Lapsed</td>
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<td>$125</td>
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</table>

NOTE: If the following message - Your membership is current and does not expire. - appears under the Membership Information section of your record in the AMATYC database, please disregard. This is not a correct reflection of your membership status. In order to check your membership status to determine which category you are eligible for, click on “Profile Home.” Located underneath your name will be your current membership type, e.g. Individual, Adjunct, Retired, Lifetime, Non-member, etc.

No refunds are given for membership dues.

SUBTOTAL A ___________

SUBTOTAL B ___________

Continue to next page ➔
C. FOOD EVENTS
(Non-Vegetarian includes a meat serving. Vegetarian is a non-meat meal.)

Regional Meetings & Lunch — Registrant* (full conference or adjunct) Fri., Nov. 18 11:45 am – Noon Included
Select one: □ Non-vegetarian □ Vegetarian
Awards Breakfast — Registrant* (full conference or adjunct) Sat., Nov. 19 7:45 am – 8:00 am Included
Select one: □ Non-vegetarian □ Vegetarian
Regional Meetings & Lunch — Guest of Registrant, Single-Day Registrant, or Retiree Registrant Fri., Nov. 18 11:45 am – Noon tkts. @ $50/ea. $_____
Select quantity: □ Non-vegetarian □ Vegetarian
Awards Breakfast — Guest of Registrant, Single-Day Registrant, or Retiree Registrant Sat., Nov. 19 7:45 am – 8:00 am tkts. @ $40/ea. $_____
Select quantity: □ Non-vegetarian □ Vegetarian

If you register for the full conference or adjunct rate and do not make a meal selection, you will automatically be assigned a non-vegetarian meal.

D. DONATION to the AMATYC Foundation
Please consider making a donation to the AMATYC Foundation. Anyone making a donation from January 2022 through the close of registration, Friday, November 18, 2022, is eligible to enter the drawings for three prizes. The prizes are (1) a complimentary discount member conference registration for Omaha or a three-year membership, (2) a two-year membership, and (3) a one-year membership.

☐ Developmental Mathematics $_____
☐ Foundation Endowment $_____
☐ General Development* $_____
☐ Grants $_____
☐ Leila & Simon Pesko Award $_____
☐ Margie Hobbs Award $_____
☐ Project ACCCESS $_____
☐ Regional Scholarship Program $_____
☐ Research in Mathematics Education for Two-Year Colleges $_____
☐ Standards $_____
☐ Student Mathematics League $_____
☐ Student Research League $_____

If a fund is not selected the donation will be placed in General Development.

SUBTOTAL D ____________

E. REQUIRED (You must check the box for your application to be processed.)
AMATYC is excited about hosting another in-person conference! Things may again look a little different as we implement the health and safety guidelines that are recommended in the fall. COVID-19 related protocols may be in effect at the time of the conference, including, but not limited to, mask or face coverings and social distancing.

☐ I agree to abide by the guidelines set forth by the hotel, Canada, and/or AMATYC at the time of the conference.

PAYMENT METHOD (AMATYC Tax ID #11-2531258)

SUBTOTAL A ____________ + SUBTOTAL B ____________ + SUBTOTAL C ____________ + SUBTOTAL D ____________ = TOTAL ____________ (USD)

By Check (Select one) ☐ College/Institution ☐ Personal Check #________________ (Make payable to AMATYC; U.S. funds only)

By Credit Card (Select one) ☐ College/Institution ☐ Personal (Select type) ☐ American Express ☐ Discover ☐ MasterCard ☐ Visa

Name as Appears on Card (please print)________________________
Billing Address for Card_____________________________________
City/State/Zip_____________________________________________
Credit Card Number________________________ Expiration Date________________________
Signature________________________

For AMATYC’s planning purposes, please tell us when you plan to stop by the AMATYC Registration Desk to pick up your materials:

☐ Wednesday, November 16 (4:00 pm – 8:00 pm) ☐ Thursday, November 17 (7:00 am – 6:00 pm) ☐ Friday, November 18 (7:00 am – 4:00 pm) ☐ Saturday, November 19 (7:00 am – 8:00 am, 10:00 am – noon)

+ + Single-Day registration materials are available for pick up on the day for which the registration applies. + +

(You are not committed to pick up your materials on the day selected. AMATYC will use this information to plan staffing at the registration desk.)

For nursing mothers: the Sheraton Centre Toronto can provide a private lactation space ensuring a stress-free guest experience for moms and their families. If you wish to make use of this space, please notify Beverly Vance by October 16, 2022, at bvance@amatyc.org.
Hotel Information

Sheraton Centre Toronto
123 Queen Street West
Toronto, ON, Canada  M5H 2M9

Reservations (online):
https://book.passkey.com/e/50274718

Reservations (phone):
1.888.627.7175  (mention AMATYC Conference)

Room Rates* (per night, includes Internet)
- Single/Double $272 CAD
- Triple $302 CAD
- Quad $332 CAD

*Children under eighteen may stay for free in their parent's room using existing bedding.
*Room rates are subject to any and all applicable provincial, local, and occupancy taxes.

Check-in: 3:00 pm   Check-out: Noon

Hotel Deposit/Fees: A deposit equal to one night's stay is required to hold each individual's reservation. Personal check, money order or a valid American Express, Visa, Master Card, Diners Card number and expiration date or a guarantee to the master account are acceptable. Should a guest cancel a reservation, the deposit will be refunded if notice is received at least 72 hours prior to arrival date, and a cancellation number is obtained.

On-site Conference Registration
Sheraton Centre Toronto
AMATYC Registration Desk — Concourse Registration

Wednesday, November 16 ................................................................. 4:00 pm - 8:00 pm
Thursday, November 17 ................................................................. 7:00 am - 6:00 pm
Friday, November 18 ................................................................. 7:00 am - 4:00 pm
Saturday, November 19 ................................................................. 7:00 am - 8:00 am
Saturday, November 19 ................................................................. 10:00 am - Noon

Reservations (online):
https://book.passkey.com/e/50274718

Reservations (phone):
1.888.627.7175  (mention AMATYC Conference)

Room Rates* (per night, includes Internet)
- Single/Double $272 CAD
- Triple $302 CAD
- Quad $332 CAD

*Children under eighteen may stay for free in their parent's room using existing bedding.
*Room rates are subject to any and all applicable provincial, local, and occupancy taxes.

Check-in: 3:00 pm   Check-out: Noon

Hotel Deposit/Fees: A deposit equal to one night's stay is required to hold each individual's reservation. Personal check, money order or a valid American Express, Visa, Master Card, Diners Card number and expiration date or a guarantee to the master account are acceptable. Should a guest cancel a reservation, the deposit will be refunded if notice is received at least 72 hours prior to arrival date, and a cancellation number is obtained.

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**Getting There**

(all prices quoted are subject to change)

**Airports**

Toronto Pearson International Airport (YYZ) is the largest airport in Canada and the main airport serving the Toronto area. While most attendees will travel through Pearson, some attendees may also consider Billy Bishop Toronto City Airport (YTZ).

**Getting to the Hotel**

The best way to get from Toronto Pearson International Airport (YYZ) to Sheraton Centre Toronto is to take the UP Express from the airport to Union Station in downtown Toronto. From Union Station, take TTC Line 1 (Yonge-University towards Vaughan Metropolitan Centre Station) subway to Osgoode Station (Queen St W and University Ave). Exit the station and walk east on Queen St W. The hotel will be at the south-east corner of Queen St W and York St. This TTC route will cost $3.25 CAD and the TTC ride and subsequent walk to the hotel will take about 10 minutes. Taxi and rideshare are also available from the mainland and would take about 10–15 minutes to get to the hotel.

**For International Travelers**

When entering Canada from the USA or another international location, you are required to show identification at the border and answer some questions. Most attendees will need their passports. Questions will involve where you are going, what you are doing, how long you are staying, and what you are bringing with you. Since you are travelling to participate in a conference (considered “Business” purposes), you may want to have proof of conference registration and proof of employment at your college/institution. Canadian restrictions are different than American ones, so read the governmental websites carefully, as there are restrictions on things like alcohol, tobacco, cannabis, and what is considered an illegal weapon in Canada, even if you are crossing a land border by car. All the information you need to enter Canada can be found at https://travel.gc.ca/. The restrictions also include COVID-19 precautions. As of this writing, you must download the ArriveCAN app and complete the travel form within 72 hours before entering Canada. Also, don’t forget to check the latest COVID-19 test requirements and what you will need to declare when getting back into the USA by consulting the website www.cbp.gov/.

You will also need to exchange some money to Canadian currency, as not every business accepts American dollars, and those that do are likely to offer a very unfavourable exchange rate (if not at par!). The best place to exchange your currency would be at the Currency Mart near the hotel. Just go downstairs from the Sheraton Centre lobby into the underground PATH pedestrian walkway and turn right to head south for a bit – they are just past the food court on the right-side. While you can also exchange currency at the airport, their rates tend to not be very favorable.

**Getting Around Toronto**

Like in every other North American city, you can access taxi-cabs and rideshare options like Uber and Lyft in Toronto. There is also excellent public transportation in Toronto, known as the TTC (Toronto Transit Commission) involving subway, buses, and streetcars. To purchase ride tickets or a day pass, look for a PRESTO fare vending machine at the airport or any subway station. You can also pay cash for a single ride fare on a bus or streetcar (they do not provide change). The fare for a one-way ride is $3.25 CAD; an unlimited-ride day pass costs $13.50 CAD. Check out the website www.ttc.ca/ for more details.

**Conference Housing**

The 48th AMATYC Annual Conference begins on Thursday, November 17, 2022, at the Sheraton Centre Toronto located at 123 Queen Street West, Toronto, Ontario, Canada M5H 2M9. All conference events will be held at the hotel.

A block of guest rooms at reduced rates has been reserved at Sheraton Centre Toronto until Monday, October 24, 2022, or until AMATYC’s room block is sold out, whichever comes first. Any unreserved rooms may be released for sale to the general public after this date. AMATYC members have often purchased all available rooms, so make your reservations early! Be sure to mention that you are attending the AMATYC Conference if making your reservation by phone. Reservations can be made at the link on the AMATYC website or by using the hotel link or phone number on page 15.

A deposit equal to one night's stay is required to hold each individual's reservation. Personal check, money order or a valid American Express, Visa, Master Card, Diners Card number and expiration date or a guarantee to the master account are acceptable. Should a guest cancel a reservation, the deposit will be refunded if notice is received at least 72 hours prior to arrival date, and a cancellation number is obtained.

**Packing**

On-site parking is available at the Sheraton Toronto Centre Hotel at the rate of $60 CAD per day. Please check with the hotel to confirm availability.

The Toronto Parking Authority provides competitively priced off- and on-street public parking. More information about “Green P” parking can be found at https://parking.greenp.com. The closest lot is the Nathan Phillips Square Green P Parking (City Hall).

**Roommate Service**

Those wishing to participate in sharing a room with one, two, or three other conference attendees can participate in AMATYC's Roommate Network. Go to https://amatyc.org/2022ConflHome, select Roommate Request Form, and click on the link to the form. Complete the form no later than October 1, 2022. You should be notified within two business days if your request has been received. If you do not receive such an email acknowledgement, please contact Sarah Miller at smiller10@ccbcmd.edu.
The process will involve putting you in touch with another AMATYC member (or members) wishing to share a room. It will be up to you to finalize the arrangement and send an acknowledgement to Sarah.

Note: The roommate service does not make hotel reservations, so it would be very helpful if you already have one, even if one of the roommates may have to process a cancellation. Also, when making a reservation with one or more roommates, be sure to provide the hotel with the names and contact information of all individuals staying in the room.

Registration Information

Registration

The conference registration fee includes admission to all concurrent sessions and workshops, general sessions, and ANet meetings. Also included are the Friday lunch and regional meetings and the Saturday morning breakfast.

To qualify for the discount registration rates of $405 USD member and $528 USD non-member, registration forms must be postmarked, if submitted via mail, or before September 30, 2022. If submitted via the web or faxed, the completed registration form must be received on or before October 7, 2022. After these dates, registration will continue at the regular registration rate of $445 USD (member) and $568 USD (non-member). Registrations sent by mail must be postmarked on or before October 18, 2022, in order to be processed prior to the start of the conference.

On-site registration will be available at the regular rate ($445 USD member and $568 USD non-member). See the back cover of this mini program or page 15 for the days and times the registration booth will be open.

Every registration form postmarked by or faxed/emailed by October 18, 2022, will receive an email receipt. If you do not receive an email, contact the AMATYC Office.

At the conference registration desk, you will receive your name badge, meal tickets, and other items. Name badges must be worn at all AMATYC functions and conference activities.

First-Time Attendee (FTA) Discount

If you have never attended an AMATYC conference and are an AMATYC member, you are eligible to apply a $50 USD credit toward the full discount conference registration fee. This credit is only available during the discount registration period. Be sure you check the box at the top of the registration form or at the beginning of the online registration process. [This credit is only available to a first-time conference attendee who is an AMATYC member and is not transferable to any other person.] If you are not sure you qualify for this credit, email the AMATYC Office at amatyc@amatyc.org to verify.

Single-Day Registration

AMATYC offers a single-day registration to accommodate local adjunct faculty and for others unable to attend the entire conference. Those selecting this option must register for and choose one of the following options: Thursday only OR Friday only OR Weekend (Saturday/Sunday) only. This rate may be used only one time and is not eligible for the first-time attendee discount. For single-day registration rates, see the registration form pages 12-14.

The single-day registration includes admission to all concurrent sessions and workshops, general sessions, ANet meetings, commercial presentations, and the exhibits for the specified day. Single-day registration does not include either the lunch on Friday or breakfast on Saturday, but either the Friday regional meetings or the Saturday awards session are open to all registrants for the day on which they are registered. Single-day registrants may purchase special function tickets at the guest ticket price to attend the meal function for that day.

Single-day registration materials are available for pick up at the registration counter on the day for which the registration applies.

Accepted Forms of Payment

AMATYC accepts payment by check, Visa, MasterCard, American Express, and Discover. Payment must accompany a purchase order. If paying by check, please make payable to AMATYC (U.S. funds only).

Exhibitors

Exhibitors who are not also registered as conference participants are invited to attend any session or workshop provided seats are available after all AMATYC registrants are seated.

Registration Refund Policy

Refunds for registration fees may be requested in writing according to the following schedule. No refunds, however, are given for membership dues.

A refund of 100% of your registration fees less a $25 USD service fee will be given upon receipt of a written request postmarked by November 2, 2022. A 50% refund less a $25 USD service fee will be given if the written request is postmarked on or after November 3, 2022, and by November 16, 2021. No refunds will be given for requests postmarked on or after November 17, 2022. No refund will be given for membership dues. Requests for return of overpayments must be in writing and received by the AMATYC Office before December 15, 2022. Refunds for registration fees will be processed approximately two to four weeks after the conference as per the refund policy. Exceptions to this policy may be approved in some extenuating circumstances. Please email the AMATYC Office, amatyc@amatyc.org, for more information. This refund policy is also applicable to registrants for a single-day registration.

Guests of Attendees

Guests are always welcome at AMATYC conferences. They can be registered at no cost provided the guest is not a mathematics educator and is accompanied by a conference registrant. Guest registration does not include attendance at the special functions: Friday Breakfast or Saturday Awards Breakfast. Special function tickets may be purchased for your guests.

Policy Related to Guests of Attendees at AMATYC Events

General Policy

AMATYC is a professional organization for mathematics educators, and AMATYC events must serve these educators. AMATYC welcomes family members of its event attendees, as registered guests, at these events, and recognizes that these events may be a positive experience for them.

To ensure that AMATYC events meet attendee expectations that include a pleasant and productive professional development activity, attendees are responsible for their guests’ behavior.

In particular, guests who are minors must be accompanied by the responsible attendee parent or guardian at all times. Attendee parents and guardians should take appropriate steps to ensure that their child’s behavior does not disrupt other attendees, or infringe on their rights to the quality professional development activity they expect and for which they have paid.

Any guest should never prevent access to a session for a professional attendee—particularly, in a case of limited seating availability, materials availability, etc., professional attendees have priority. Children should not normally be in sessions. Exceptions might include when the child is related to the presenter and the child might benefit by being present.

Event officials are empowered and instructed to enforce these rules by taking all actions necessary to control disruptive or nuisance behavior.

Many hotels provide recommendations for in-room child care for guests. Call the hotel as early as possible for service. Arrangements represent a contractual agreement between the individual and the child-care provider. AMATYC assumes no responsibility for the services rendered.

AMATYC-Supplied Computer and Internet Access at AMATYC Events

Guests may only use equipment where permitted by the event officials in charge of that equipment and where such use does not hinder access to the equipment by professional registrants. In addition, guests who are minors may have Internet access only if they are under the immediate and direct supervision of a parent or guardian.
ADA Accommodations/Dietary Restrictions/Nursing Mothers
AMATYC is committed to serving all conference attendees who have disabilities and adheres to the guidelines set forth in the Americans with Disabilities Act (ADA). Attendees with disabilities requiring special accommodations or dietary restrictions should contact Beverly Vance at bvance@amatyc.org before October 16, 2022.

For nursing mothers, the Sheraton Centre Toronto can provide a private lactation space ensuring a stress-free guest experience for moms and their families. If you wish to make use of this space, please notify Beverly Vance by October 16, 2022, at bvance@amatyc.org.

Conference App
This miniprogram is provided as your guide for planning your conference activities. All presentations listed are subject to change. A more detailed program will be available on our conference app, Whova. You can download Whova anytime at the App Store or Google Play. Watch the email you used to register for the conference for an announcement about when this year’s AMATYC conference app is ready. Join the pre-conference webinar in October for a preview of this year’s conference activities!

Program Information
You’re Welcome for In-Person ANet Meetings
Each Academic Network (ANet) has its own separate time to meet during the conference. These meetings are listed throughout the program grid and conference app as M01 to M16. Please take the opportunity to attend one or as many as you like to find colleagues with similar interests and to become more involved in AMATYC!

Thursday and Friday

Themed Sessions
Hear talks every 15 minutes to explore on Thursday and Friday morning, 8:00 am – 10:00 am, during this year's Themed Sessions sponsored by many of our ANets. Speakers will change at consistent times so you can change rooms and themes as often as you like.

Thursday
T1 The Equity ANet will share how to create a shared space moving beyond inclusivity to support equity-centered for both faculty and students.
T2 The Developmental Mathematics ANet will share the Community College Center for Student Engagement’s five benchmarks to measure student engagement.
T3 The Mathematics Intensive ANet will discuss familiar concepts from upper-level classes typically taught in the first two years of college, but with novel approaches.

T4 The Mathematics and Its Applications for Careers ANet will show technical, industrial, and business applications that can be used in classroom activities or projects.

Friday
T5 The International Mathematics ANet will share a focus on math research from across the globe and showcase interesting examples of globalized curriculum.
T6 The Pathways ANet will share local, state, and national efforts around mathematics pathways.
T7 The Division/Department Leadership ANet will share experiences and techniques on how to enter a leadership position and embrace the different situations that might come up.

Mini Sessions
Watch for these 25-minute presentations in the middle of the day. They are scheduled two to a room with a 5-minute break if you want to change rooms. You can also grab a quick lunch during the mini-session A, and still be able to catch mini-session B, or vice versa.

Thursday times are 11:30 am – 11:55 am, and then 12:00 pm – 12:25 pm. The mini-sessions return on Friday, 2:00 pm – 2:25 pm and 2:30 pm – 2:55 pm.

AMATYC 101 — Walk, Talk, and Learn!
Have fun on a relaxing walking tour of the Sheraton Centre Toronto conference floors. Along the way learn about AMATYC, ways to get involved in our organization, and how to stay involved beyond the annual conference. Tours will leave from the Conference Registration area.
Tour A: 8:00 am – 8:50 am
led by Anders (AJ) Stachelek, Northeast VP
Tour B: 8:20 am – 9:10 am
led by Dale Johanson, Central VP

Affiliate Sharing Session
All current and future affiliate leaders can network, ask questions, share ideas, and learn from each other during this session on Thursday from 1:50 pm – 2:40 pm. Leaders will be Philomena D’Alessandro, a leader in NEMATYC, along with Corey Pyne and Maria Sairoglu, president and vice-president of OCMA. Topics for discussion include affiliate program and conference planning, ways to strengthen and grow affiliates, as well as other items proposed by the attendees. Bring examples of what your affiliate has been doing this past year!

Keynote Address and Grand Opening of the Exhibit Hall
The Keynote session begins at 3:00 pm. Peter Liljedahl of Simon Fraser University will share how today’s classrooms are influenced by norms enabling a culture of teaching and learning that is often devoid of student thinking. Peter will talk about over 15 years of research to help instructors transform their classrooms from a space where students mimic to where students think.

Don’t miss the ribbon-cutting for the Grand Opening of the Exhibit Hall immediately following the Keynote session.

Research Session
Hosted by the Institute for Mathematics Education for Two-Year Colleges ANet (RMETYC)
Thursday at 7:00 pm, join colleagues to learn about current research on the teaching and learning of mathematics in the first two years of college. The evening begins with a keynote address by Megan Breit-Goodwin from Anoka-Ramsey CC who will discuss the Scholarship of Teaching and Learning (SoTL) that welcomes educators into the intersection of teaching and research.
This will be followed by three sets of concurrent sessions focused on findings from exciting research projects of interest to our attendees.

Friday and Saturday

Teaching for PROWESS (TfP) Symposium
TfP has organized several exciting events for this year’s conference to learn how a collaborative effort led to innovative strategies for transforming departmental culture by implementing active learning. On Friday morning at 8:00 am, the keynote address “Actively Motivating Active Learning in Mathematics” will be presented by Chris Rasmussen from San Diego State University. This will be followed immediately by a workshop “Actively Learning Mathematics Through Active Learning” from 9:10 am to 11:10 am.

Saturday morning at 10:45 am will bring the symposium’s second workshop “Actively Motivating Transformational Change in Mathematics Education.”

Regional Meetings & Lunch
Get to know and reconnect with the people and activities in your region, and interact with your regional vice president on Friday at 11:45 am while enjoying lunch. Be sure to bring your ticket for lunch.
At the Regional Meeting, you can network with colleagues from colleges and AMATYC affiliates in your region while providing input on AMATYC matters. Take advantage of this opportunity to express your views to your state and affiliate delegates regarding Delegate Assembly issues. Your attendance at the meeting of your region is strongly encouraged.

Not sure to which region your state or territory belongs? Find your region on your lunch ticket, and check the conference app for information.
You’re Welcome! ... to AMATYC’s Poster Session

Meet with colleagues who are sharing their exciting ideas or reporting on their latest research projects in this year’s poster session on Friday afternoon from 1:45 pm to 3:45 pm. Browsing hours are Friday from 9:15 am to 3:45 pm in the Exhibit Hall. Be sure to take advantage of the scheduled session hours to speak with the poster presenters!

AMATYC Grant Series: NSF Funding Opportunities 2YC Math Faculty

Join Mindy Capaldi, Michael Davis, and Kalyn Shea Owens from the National Science Foundation at 10:20 am to 11:10 am. Learn about NSF programs and funding opportunities for those teaching in the first two years of postsecondary mathematics in the Division of Undergraduate Education. The presenters will also offer a separate Q&A session in the Improptu Room during the conference.

Faculty Math League Competition

The FML is a competition based on the Student Math League contests sponsored by AMATYC. The twenty-question multiple-choice exam covering precalculus mathematics will test your problem-solving skills. You can compete for individual prizes as well as the traveling Regional Championship Trophy in the 18th Annual FML Competition! Have your calculator and sharpened pencils ready at 4:20 pm.

Saturday

Discover More Exciting Ideas

Join the Saturday Awards Breakfast (be sure to bring your ticket to be seated and served between 7:45 am and 8:00 am) to hear keynote speaker and bestselling author Ben Orlin share his passion for mathematics through challenging puzzles and amusing illustrations. Make use of the dedicated hour following his talk for a final visit to our vendors and exhibitors.

You can look forward to another day to learn and discover exciting sessions and workshops ranging from increasing student success, inclusion in the community, methods for structuring pathways and corequisite courses, revising curriculum for STEM courses, and new options for incorporating technology in your classes!

Toronto Farewells

Join us on Sunday morning with presentations about accountability and student engagement, enhancing equity in research experiences, partnering with adult education to rethink teaching arithmetic, and recommendations on improving math education for nurses.

Afterwards, come together to celebrate our in-person time in Toronto, reflect on the fantastic ideas you can share with your colleagues and students, share your favorite moments from the conference, and learn about opportunities to get more involved in AMATYC, and look towards the 2023 conference in Omaha. Then wish your friends well on their homeward journey.

Conference Continues with Virtual Days

The 2022 AMATYC Annual Conference will not be over until the gavel falls at the end of the Delegate Assembly on December 3. Join us for two days of virtual conference presentations on Friday and Saturday, December 2-3, beginning at 11:00 am ET.

Exhibits and Commercial Presentations

Exhibits Grand Opening and Dedicated Exhibit Times

The always exciting Grand Opening of the exhibit area will take place on Thursday from 4:30 pm until 7:00 pm. Explore the latest textbooks, videos, calculators, software, distance learning coursework, and much more. Meet the exhibitors and learn about their products.

Take advantage of dedicated time to visit exhibitors. In addition to the Thursday evening Grand Opening, AMATYC is pleased to feature our exhibitors on Friday from 11:10 am to 11:45 am and from 1:15 pm to 2:00 pm before and after the Regional Lunch and Meetings. On Saturday the exhibitors will be featured from 10:00 am to 10:45 am. These dedicated times will allow you to visit the exhibits without missing sessions. Exhibitors are eager to meet you, discuss your needs, and demonstrate products and services that can provide you with solutions to your classroom needs.

Exhibit Hours

Thursday 4:30 pm - 7:00 pm
Friday* 8:30 am - 11:45 am and 1:15 pm - 5:00 pm
Saturday 9:45 am - 1:00 pm

*Dedicated Times*

Thursday 4:30 pm - 7:00 pm
Friday 11:10 am - 11:45 am and 1:15 pm - 2:00 pm
Saturday 10:00 am - 10:45 am

*Note that the Exhibits are closed Friday 11:45 am - 1:15 pm to allow our exhibitors to have this time for lunch.

Commercial Presentations

Several AMATYC exhibitors will conduct commercial presentations to highlight their products and services and train users of these products. These presentations will be located in regular session rooms during the conference. Titles, descriptions, and presenters will be included in the conference program and the conference app. Don’t miss out on the opportunity to learn more about a product or service you have been considering or to learn about new products and services that are available to enhance your students’ learning and your teaching. In addition, some exhibitors will be offering small group training sessions within their booth. Check individual booths for times and titles of these training sessions.

General Information

What to Do in Toronto

Incredible architecture. The city boasts architecture from the 1800s, including the historic cathedrals of St. Michael’s and St. James, to modern skyscrapers, including the tallest freestanding structure in the western hemisphere, the CN Tower. For more grounded architectural appreciation, you can visit the beautiful Casa Loma, a historic castle open to the public, or step back into the military history of early Canada at the Fort York National Historic Site, or the political history of Toronto at Old City Hall.

World-class dining. The restaurants in Toronto are diverse, numerous, and world-class, with options sure to satisfy every palette and diet. From the restaurants along the historic, cobblestone path of the Distillery District, to the multicultural array in King West, to the plethora of street vendors, you’ll have an opportunity to experience any cuisine you desire. Be sure to try a poutine while you’re here – a French-Canadian invention combining french fries, cheese curds and gravy, though myriad other varieties exist, including butter chicken, Tex-Mex, and shawarma poutines. And why not pair your poutine with a local microbrew from one of our many incredible craft breweries, or order a glass of award-winning VQA Ontario wine or ice wine during dinner or dessert, respectively! Here is a map with some suggestions of a number of local downtown favourites near the conference hotel: https://tinyurl.com/AMATYC22.

Arts, science, and culture. Immerse yourself in world-famous art and culture at the Royal Ontario Museum and the Art Gallery of Ontario, or explore something more modern at The Power Plant, a contemporary art gallery. Step into fashion history at the Bata Shoe Museum or...
travel back in time at the Toronto Railway Museum. Spend some time with the hockey greats at the Hockey Hall of Fame or be amazed at the Museum of Illusions. Stroll along the waterfront, and while you’re there, explore the Toronto Music Garden, inspired by renowned cellist YoYo Ma, and representing sections from a movement from Bach’s Suite No. 1 in G Major for unaccompanied cello. Take a half- or full-day trip to the city’s east side to do some hands-on experiences at the Ontario Science Centre or experience the Islamic and Middle-Eastern art and culture at the Aga Khan Museum. For marine biology lovers, Ripley’s Aquarium is right downtown beside the CN Tower.

Entertainment and leisure. Catch a sports game with Toronto’s championship-winning professional sports teams, such as the Toronto Maple Leafs (NHL), Toronto Raptors (NBA), and Toronto Argonauts (CFL). If the performing arts are more your style, you could take in a show or symphony at one of our world-class theatres or halls such as the Princess of Wales Theatre and Roy Thomson Hall. Weather permitting, you may partake in outdoor skating at Nathan Phillips Square or Harbourfront Centre. And don’t forget to do some holiday shopping at the Christmas market in the Distillery District, at the historic CF Toronto Eaton Centre, or one of our downtown markets!

Group Excursions

Thursday, November 17: Come join us for a visit to the CN Tower, which gives a 360° view of Toronto from 346 meters (1,136 ft) above the city. Ride the elevator to the observation deck, where you can walk on the glass floor with a view all the way down to the ground, or head up to the SkyPod – the highest observation platform in the Western Hemisphere, at 447 meters (1,465 ft) above the ground! Our group excursion is planned for Thursday evening, and tickets are $49 CAD incl tax (included in the CityPass). If you would like to experience a little more, you can also book a dinner reservation at the 360 Restaurant in the top of the tower, or the very daring can do an EdgeWalk (if weather permits), the world’s highest hands-free external walk on a building. For more information about the CN Tower, www.cntower.ca.

Friday, November 18: Toronto is known for its famous distillery district, and the Winter Village, also known as the Christmas Market, will be starting up just in time for the conference! After the Friday conference sessions, come with us to experience the magic and romance of the holiday season, in an intimate and historic setting, as we shop and dine at a variety of quaint boutiques and vendors on a cobblestone street under a canopy of lights. And maybe there will even be a November snow to make the experience even more picturesque and magical! For more information, visit https://thedistillerywintervillage.com.

Saturday, November 19: Want to go on an underwater adventure? Ripley’s Aquarium in Toronto boasts the longest underwater viewing tunnel in North America and more than 20,000 aquatic animals. Located right next to the CN Tower, it’s within walking distance from the conference hotel. We will be organizing a group to head to the aquarium on Saturday evening. Tickets are $50 incl tax (included in the CityPass). For more information about Ripley’s Aquarium, www.ripleyaquariums.com/canada.

Sunday, November 20: Join your fellow science enthusiasts for some exciting exhibitions, IMAX Dome films, and live demonstrations at Ontario’s Science Center. Whether its astronomy, artificial intelligence, biology, or nature, there will surely be an exhibit of interest. The Science Center is open from 10 am to 5 pm and general admission is $22 CAD incl tax (included in the CityPass), or $28 CAD if you want to view an IMAX film as well. Visit www.ontariosciencecentre.ca for more details and a list of current exhibitions and films.

CityPass: Looking to join us for all these events? For the price of admission to the CN Tower, Ripley’s Aquarium and the Ontario Science Centre (approx. $120 CAD incl tax), you can purchase a Toronto CityPass which will give you access to all three of those attractions, as well as two additional Toronto destinations for free: Casa Loma and the Royal Ontario Museum (ROM). The cost of a pass is $122 CAD (incl tax and fees) and represents a savings of over $60. Visit www.citypass.com/toronto for more information.

Weather

Historically, the temperatures in Toronto range from 35-45°F (2-7°C) for the month of November. Plan for rain, overcast and chilly evenings. A rain jacket, some warm sweaters and pants, and your favorite boots are recommended! A warm hat and some gloves are great if you plan to venture out and about in the city and enjoy its diverse architecture, many trails and parks and beautiful views of Lake Ontario.

Email/Communications

Complimentary WiFi is available in each guest room booked within the AMATYC block at the Sheraton Centre Toronto. Additionally, all meeting space will also be equipped with WiFi. Bring your tablet or phone, take notes in the sessions, and then fill out the session evaluations in the conference app. At each hotel there is a business center with computers and printer available for your use.

Professional Networking/Hospitality Area

Please join us in the Hospitality Area to meet, gather and relax when you need a break. We offer a spot where you can connect with other attendees, explore information about Toronto and the local attractions, or just enjoy some quick refreshments. Members of the Local Events Committee will be there to support you and the local attractions, or just enjoy some quick refreshments. Members of the Local Events Committee will be there to support you in the Hospitality Area.

Omaha 2023

Program proposals to present in Omaha can be submitted at the AMATYC website, www.amatyc.org, beginning November 1, 2022. Mark your calendar now to go to the AMATYC website to submit your proposal. The deadline for submitting a proposal to present a session, mini-session, workshop, or poster in Omaha is February 1, 2023.
AMATYC honors the following individuals

Mathematics Excellence Award  
Nancy J. Sattler  
Terra State CC - Emerita (OH)

Herb Gross Presidential Award  
George Alexander  
Madison Area Technical College (WI)

Leila & Simon Peskoff Award  
Megan Breit-Goodwin  
Anoka-Ramsey CC (MN)

Margie Hobbs Award  
Jason Farrington  
Paradise Valley CC (AZ)

2022 AMATYC Foundation Awards
Join us in congratulating two AMATYC members at the annual conference in Toronto
AMATYC

5983 Macon Cove
Memphis, TN 38134

Please send address changes to the above address or by email to amatyc@amatyc.org.

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Laura Watkins
President
Glendale CC
Glendale, AZ
laura.watkins@amatyc.org

George Hurlburt
President-Elect
Corning CC
Corning, NY
george.hurlburt@amatyc.org

Barbra Steinhurst
Treasurer
Portland CC
Hillsboro, OR
barbra.steinhurst@amatyc.org

AJ Stachelek
Northeast Vice President
Hostos CC
Bronx, NY
aj.stachelek@amatyc.org

Alvina J. Atkinson
Southeast Vice President
Georgia Gwinnett College
Lawrenceville, GA
alvina.atkinson@amatyc.org

Dale A. Johanson
Central Vice President
Northeast CC
Norfolk, NE
dale.johanson@amatyc.org

Sarah Pauley
Northwest Vice President
Western Wyoming CC
Rock Springs, WY
sarah.pauley@amatyc.org

Kathryn (Kate) Kozak
Past President
Coconino CC
Flagstaff, AZ
kathryn.kozak@amatyc.org

Nancy J. Rivers
Secretary
Wake Technical CC (retired)
Charlotte, NC
nancy.rivers@amatyc.org

Dennis C. Ebersole
Mid-Atlantic Vice President
Northampton CC
Bethlehem, PA
dennis.ebersole@amatyc.org

Brandon Bartley
Midwest Vice President
Jefferson CTC
Louisville, KY
brandon.bartley@amatyc.org

Shannon Ruth
Southwest Vice President
GateWay CC
Phoenix, AZ
shannon.ruth@amatyc.org

Eddie A. Tchertchian
West Vice President
Los Angeles Pierce College
Woodland Hills, CA
eddie.tchertchian@amatyc.org

AMATYC Executive Director
Anne Dudley
Executive Director
Glendale CC, Emerita
Phoenix, AZ
adudley@amatyc.org

Toronto 2022 Conference Planning Team

Turi Suski
Conference Coordinator
Fox Valley Tech College
Appleton, WI
suski@fvtc.edu

Nathalie M. Vega-Rhodes
Asst. Conference Coordinator
McGraw Hill
Houston, TX
conferenceassist@amatyc.org

Michael Pemberton
Program Coordinator
Lansing CC
Lansing, MI
programcoordinator@amatyc.org

Todd Stine
Exhibits Chair
Harriscourt Area CC
Harrisburg, PA
exhibts@amatyc.org

Sean Saunders
Toronto Local Events Coordinator
Sheridan College
Brampton, ON, Canada
sean.saunders@sheridancollege.ca

Julie Gunkelman
Asst. Program Coordinator
Oakland CC
Farmington Hills, MI
programassist@amatyc.org

Crystal Wiggins
Advertising Chair
Northwestern Connecticut CC
Winsted, CT
advertising@amatyc.org

AMATYC Office
Southwest Tennessee CC
5983 Macon Cove
Memphis, TN 38134
Phone: 901.333.5643 Fax: 901.333.5651
Website: www.amatyc.org Email: amatyc@ amatyc.org

Beverly Vance, Office Director
Christy Hunsucker, Accounting Director
Christine Shott, Publications Director
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On-site Conference Registration • Sheraton Centre Toronto • Concourse Registration

Wednesday, November 16 .................................... 4:00 pm - 8:00 pm
Thursday, November 17 ................................. 7:00 am - 6:00 pm
Friday, November 18 ..................................... 7:00 am - 4:00 pm
Saturday, November 19 ............................... 7:00 am - 8:00 am
Saturday, November 19 ............................... 10:00 am - Noon