Keynote Speakers

Francis Su
Harvey Mudd College
Mathematics for Human Flourishing

James Tanton
Mathematical Association of America
A Dozen Proofs that 1 Equals 2: A Misguided Review of Mathematics

Featured Speakers

Michael Steele
University of Wisconsin – Milwaukee
Content, Pedagogy, Field: New Partnerships Across the 6-16 Continuum

Alan Zollman
Indiana University Southeast
Making Students as Smart as Their Phones & Fixing Their Common Errors

John Urschel
Massachusetts Institute of Technology
The Equity Equation: Closing the Gap in Today’s Math Classrooms

45th Annual AMATYC Conference
Wisconsin Center
November 14 – 17, 2019

Hilton Milwaukee City Center
509 West Wisconsin Avenue
Milwaukee, WI 53203
Reservations: 1.800.HILTONS
(mention AMATYC Conference)

Hyatt Regency Milwaukee
333 West Kilbourn Avenue
Milwaukee, WI 53203
Reservations: 1.800.233.1234
(mention AMATYC Conference)

To make reservations online:
Go to www.visitmilwaukee.org/amatyc2019,
scroll to the Hotel Information section,
and select one of the hotels.

Hosted by WisMATYC and the Midwest Region

Register for the conference online at 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

Francis Su
Mathematics for Human Flourishing
Thursday, November 14 • 3:00 pm – 4:30 pm

Why does the practice of mathematics often fall short of our ideals and hopes? How can mathematics be grounded in what it means to be human, so that our students are motivated to do mathematics? Francis Edward Su has been advancing the message that mathematics can help people flourish, no matter what they choose to do with their lives or careers, because it is connected to basic human desires and it builds virtues that everyone benefits from. He will explain why he believes this is an important message, especially for educators, and describe some of the reactions he’s received.

Francis Su is the Benediktsson-Karwa Professor of Mathematics at Harvey Mudd College, and past president of the Mathematical Association of America. He has been a Visiting Professor at the California Institute of Technology and Cornell University. He received his PhD and AM from Harvard University and BS in Mathematics from the University of Texas at Austin. His research is in geometric combinatorics and applications to the social sciences.

He has a passion for teaching and popularizing mathematics and calling people to greater awareness of issues that contribute to inequitable mathematics education. From the Mathematical Association of America, he received the 2018 Halmos-Ford award for distinguished writing, and the 2013 Haimo Award for distinguished teaching. He authors the popular Math Fun Facts website and is creator of MathFeed, the math news app. His book Mathematics for Human Flourishing will be published by Yale University Press in December 2019.

You may also remember Su from his talks at previous conferences while MAA president as part of our Presidential Exchange series: 2015 – “Favorite Math Fun Facts” and 2016 – “Mathematics Card Tricks”. You can follow him on Twitter, Frances Su @mathyawp. Visit his college homepage (www.math.hmc.edu/~su/) for links to many of his other writings and creations, including contributions to the MAA FOCUS Columns on Race and Issues in the Classroom such as “Mathematical Microagressions”.

Saturday Awards Breakfast Session

James Tanton
A Dozen Proofs that 1 Equals 2: A Misguided Review of Mathematics
Saturday, November 16
Breakfast Served: 7:45 am - 8:15 am (ticket required) • Program: 8:30 am - 10:00 am

Guidobaldo del Monte (1545-1647), a patron and friend of Galileo Galilei, believed he had witnessed the creation of something out of nothing when he established mathematically that zero equals one. He thereby thought that he had proven the existence of God! Although James Tanton daren’t be so bold with his claims, he is willing to prove instead that one equals two. And, moreover, just to convince you that he is right he will do so multiple times over, drawing upon a wide spectrum of mathematical techniques: algebra and arithmetic, probability and mechanics, pure thought and physical action! Will you be able to find fault with any of these “proofs”?

James Tanton (PhD, Princeton 1994, mathematics) is an author, a consultant, and an ambassador for the Mathematical Association of America in Washington DC, currently serving as their Mathematician-at-Large. He has taught mathematics both at university and high-school institutions, always believing that mathematics is really accessible to all.

Tanton is absolutely committed to promoting effective and joyful mathematical thinking, learning, and doing at all levels of the education spectrum. In 2004 he founded the St. Mark’s Institute of Mathematics, an outreach program which promotes joyful and effective mathematics education. He worked as a fulltime high-school teacher at St. Mark’s School in Southborough, MA (2004-2012), and he conducted, and continues to conduct, mathematics courses and workshops for mathematics teachers.

He writes books and video courses, advises on curriculum, and gives demonstration classes and lectures across the nation and around the globe. He also leads the Mathematical Association of America’s Curriculum Inspirations project (www.maa.org/ci); serves as chair of the Advisory Council for the National Museum of Mathematics (www.momath.org); and is a founder of The Global Math Project (www.theglobalmathproject.org), an initiative to transform the entire world’s perception of what mathematics can and should be.

Tanton is the author of Solve This: Math Activities for Students and Clubs (MAA, 2001) and Mathematics Galore! (MAA, 2012). Through his extracurricular research classes for students, he has helped high school students pursue research projects and publish their results. Learn more about him from his websites www.jamestanton.com and www.gdaymath.com.
Michael Steele

Content, Pedagogy, Field: New Partnerships Across the 6-16 Continuum
Saturday, November 16 • 10:45 am – 11:35 am

School districts, two-, and four-year colleges have long been partners in mathematics education. With K-12 standards on the rise, math proficiency stagnant, and teacher preparation numbers on the decline, it’s time to reimagine partnerships. Hear insights from AMTE, and the MPS-MATC-UWM partnership known as M^3, involving cooperation in Milwaukee between high schools, the two-year college, and the four-year research university. Connect these ideas to the vision of partnerships described in the Association of Mathematics Teacher Educators’ document, “Standards for Preparing Teachers of Mathematics”. Then discuss your own contexts and challenges, and identify reasonable next steps for action to generate or revitalize partnerships in your own hometowns.

Michael D. Steele is a Professor of Mathematics Education in the School of Education at the University of Wisconsin – Milwaukee. He is currently a rotating program officer at the National Science Foundation and the president of the Association of Mathematics Teacher Educators. A former middle and high school mathematics and science teacher, Steele has worked with pre-service secondary mathematics teachers, practicing teachers, administrators, and doctoral students across the country for the past two decades. He has published several books and journal articles focused on developing mathematics teacher knowledge and supporting teachers in enacting research-based effective mathematics teaching practices.

He will also be participating in the panel discussion “Perspectives on Key Equity Issues and Practices” Friday at 2:00 pm (S085) along with Diana Ceja, TODOS; Denise Lujan, NOSS (formerly NADE); and Trena Wilkerson, NCTM.
Thursday 8:00 am - 9:55 am

Themed Session
T1 Engaging Introductory Statistics Students with Real Data
T1A The 4 C’s: Communicate, Collaborate, Create, Critically Think w/Data (ST, IS)
Rebecca Wong
T1B Hands-On Online Real-Life Data Collection (ST, DL, IT)
Kirsten K. Meymaris, Michael Heeren
T1C Putting It All Together: A Comprehensive Final Project (ST, IS, R)
Timothy Glatzer
T1D Using Financial Data in an Introductory Statistics Class (ST, IT)
Kelly Fitzpatrick
T1E Collecting Data from Students to Improve Introductory Statistics (ST, IS)
Grace Nasnas
T1F Fostering Student Collaboration Using Globalized Data (ST, IS, CG)
Amanda Klinger

Themed Session
T2 Global Learning in Mathematics
T2A Learning Diversity: Examples from a Global Classroom (CG)
Wendi Morrison
T2B Islamic Art and Geometric Design (CG, IS, G)
Clarence Baney
T2C Monumental Mathematics – La Sagrada Familia (CG)
Jim Roznowski
T2D First Steps to a Service Learning Project with Global Impact (CG, ST, IS)
Barbara Leitherer
T2E Nature vs. Nurture on Math Ability – An International Perspective (CG)
Chris Yuen
T2F Global Perspective on Income Inequality – Using Business Calculus (CG, MI, ST)
Rehana Yusaf

Themed Session
T3 A Non-Empty Set of Intensive Mathematics Presentations
T3A Who Says Math Has to Be Done in Order?! (MI, IS)
Stephanie Garofalo
T3B Paper, Pipe-Cleaners, and Polynomials, OH MY! (MI, IS, AM)
Tricia Van Brunt, Julia Smith
T3C Moving to Student-Centered Teaching in Calculus (MI, IS)
Matthew Lee

T3D Hergert Numbers (MI)
Rodger Hergert
T3E The “Equals Sign” in Calculus (MI, R, IS)
Chris Cunningham
T3F Differential Equations and Time of Death (MI, IS)
Mike Cañarana

Themed Session
T4 Equity-Minded Mathematics Instruction
T4A Introduction to Equity, Diversity, and Social Justice in Academia (CG)
Jennifer Ackerman
T4B Genuine Inclusion: Engaging All Math Students (CG, IS)
Shane Tang
T4C Humanizing Your Students to Increase Student Success (CG, IS, AM)
Benjamin Aschenbrenner
T4D Using Equity and Social Justice for Probability Context (CG, QR, ST)
Carrie Muir
T4E The Impact of Social Assumptions on Assessing Mathematical Knowledge (CG, QR, ST)
AJ Stachelek
T4F Five Key Instructor Dispositions for Equitable Student Success (CG, AM, IS)
Ralf Youtz

Themed Session
T5 Engaging Future Teachers with the Concept of Number Sense
T5A Double Number Lines in Proportional Reasoning (TP, IS)
Keith Nabb
T5B Be the Second Grader: Making Sense of Addition and Subtraction (TP, IS)
Jaclyn Murawska
T5C Literature to Promote Early Number Sense (TP, IS)
Abigail Bailey
T5D What Is Number Sense? And How Can It Be Applied at Different Levels? (TP, IS)
Judy Werner
T5E Inventing the Number System: The Cinconia Project (TP, IS)
Abigail Brackins
T5F Reversing the Effects of the “Multiplication Mad Minute” (TP, IS)
Cynthia Griffin Ediger
Thursday, November 14

Themed Session

T6 Math Pathways: Exploring the Present and Envisioning the Future

T6A Impact of Pathways on Developmental Math Redesign (CR, DI)
Helen Burn

T6B Pathways and Coreqs at Anne Arundel CC (CR, DI)
Amber H. Rust

T6C Preparing Instructors for a Corequisite Statistics Pathway (CR, ST, DI)
Michael Sullivan

T6D Taking Statewide Math Pathways from Concept to Classroom (CR, DI)
Joyce Walborn

T6E Evolving Math Pathways: Integrating Scaled Pathways Across Your Campus (CR, DI)
Uri Treisman

Uri Treisman

Thursday 8:00 am - 10:00 am

S001 AMATYC 101 – Walk and Learn in a New Format (G)
S001A Tour #1 (8:00 am - 8:50 am)
Led by Jon Oaks

S001B Tour #2 (8:20 am - 9:10 am)
Led by Sarah Pauley

S001C Tour #3 (8:40 am - 9:30 am)
Led by Michael Pemberton

S001D Tour #4 (9:10 am - 10:00 am)
Led by Jon Oaks

Thursday 9:10 am - 10:00 am

S002 Teach Your Students How To Be Students: Scaffold Everything! (IS, AM)
Amy Hatfield, Jessica Lickeri

S003 Infinitesimals: Cool Again? (MI, H, IS)
Anne Magnuson, Cathey Jordan

S004 Author! Author! (G, R)
Johanna Debrecht, George Alexander

S005 Interaction is Key: Promoting Student Engagement in Online Courses (IT, IS, DL)
Lori Ogden, Mary Beth Angeline

Thursday 10:20 am - 11:10 am

S006 Develop Grit & Growth Mindset in ANY Course
(IMPACT: Student Success) (AM, IS)
Sherri Messersmith, Nathalie Vega-Rhodes

S007 Teaching Honors Calculus via Simulcast Turned Out to be a Great Idea (DL, IT, MI)
Todd Hendricks, Stephanie Garofalo

S008 Taking Mathematics for Teacher Prep Courses Online (TP, DL)
Cynthia Griffin Ediger

S009 Teaching and Learning Practices for Equitable Math Student Success (CG, AM, IS)
Ralf Youtz

S010 Great Recipes: Creating Corequisite Contemporary Math from Scratch (IS, CR, QR)
Jennifer Ackerman

S011 Using Real Population Data to Illustrate Difficult Statistical Concepts (ST, IS, IT)
Michael Sullivan

S012 Making Competency-Based Education in Developmental Mathematics Great! (CR, D, G)
Rachel Marcial, Brenda Gardner, Deena Bain

S013 Corequisite Cohort Pathway to Statistics Success (CR, ST, D)
Ben King

S014 AMATYC’s Journey to Mars (CR, QR, G)
John Pazdar, Patricia Hirschy, Dennis Ebersole, Karen Gaines

S015 Who Is a Great Leader? You Are! (DI, G)
Christine Mirbaha

S016 How SI/T(ing) Helps Your Students Rise (IS, D)
Kyle Kundomal, Leah Beck

S017 Standing on the Shoulders of Giants: Big Ideas in Mathematics (H, IS, G)
Sean Saunders

Milwaukee Program Key

AM AMATYC’s new standards document, IMPACT, identifies four pillars to improve mathematical prowess and college teaching
Each proposal choosing this focus key should identify in the title or summary one of the four pillars of PROWESS:
PRoficiency – developing students’ mathematical knowledge
Ownership – taking responsibility and showing initiative
Engagement – developing intellectual curiosity and motivation in learning mathematics
Student Success – stimulating student achievement in mathematics
CG Cultural and Global Education (Equity, diversity, cultural awareness, and global citizenship)
CR Curriculum Redesign (Restructuring content or delivery of a course or sequence of courses)
D Developmental Mathematics (Courses preparing students for college-level mathematics)
DI Department/Division Issues (Adjunct faculty, mentoring, math labs, learning communities, tutoring, supplemental instruction, administrative issues, collaboration between institutions)
DL Distance Learning (Hybrid, online, video conferencing)
G General Interest
H History of Mathematics
IS Instructional Strategies (Learning styles, teaching methodologies, addressing math anxiety and study skills)
IT Instructional Technology (Computer software, internet resources)
MI Mathematics Intensive (College Algebra, precalculus, and beyond)
PA Placement and Assessment (Student placement, assessment: student, course, program)
QR Quantitative Reasoning (Quantitative literacy, contemporary mathematics, liberal arts)
R Research (Research results, research-based information)
ST Statistics
TP Teacher Preparation (Preparing education majors to teach mathematics)
Thursday, November 14

Thursday 11:30 am - 12:25 pm
Mini Sessions
A: 11:30 am - 11:55 am  B: Noon - 12:25 pm
See page 21 for more information.

S018A  AMATYC Traveling Workshops – BINGO (G, AM, DI)
Mari Menard

S018B  Using Social Media Apps to Improve Ownership and Engagement (IT, IS, AM)
Kim McHale

S019A  Mathematics Education for Pre-Service Elementary Teachers in Shanghai (CG, TP)
Hong Yuan

S019B  The Legacy of New Math (CR, IS, H)
Melissa A. Scranton

S020A  On the Use of Reflective Writing Assignments (IS, AM)
Anurag Katyal

Luis M. Fernandez, Xiaohui Wang

S021A  Post Once, Reply Twice?! Avoiding Pitfalls of Online Math Discussions (DL, IS)
Brad Thompson

S021B  Create Dynamic Content Using GeoGebra (IT, IS)
Hong Du

S022A  Teaching Math with Virtual Manipulatives: A Collaborative Journey (IT, D, IS)
Frank Marfai

S022B  Innovative Classroom Activities with Marbleslides for Precalculus (AM, IT, IS)
Hieu Do

S023A  Teaching Introductory Statistics Using Active Learning Strategies (ST, IS)
Vinodh Kumar Chellamuthu

S023B  Weighting Survey Data - How It’s Done, and the Design Effect (ST, IS, R)
Joel LaLone

S024A  Algebraic Reasoning: A Model Approach (CR, IS)
Tim Chappell

S024B  Learning How to Learn Mathematics in a Rapidly Changing Future World (IS, G, AM)
Alexander Atwood

S025A  Using Manipulatives to Engage in College Math Topics (IS, AM)
Meghan E. VanderMale

S025B  Proficiency With Order of Operations – Not Just for Beginning Algebra (AM, D, MI)
Kari Arnoldsen, Diane Hill

S026A  The M&Ms of Math: A Research-Based Approach to Math Study Skills (IS, R, AM)
Laura Seeman, Sally Yakel

S026B  Homework Journals: Monitor the Mathematics and Teach Study Strategies (IS, AM)
Liz Hylton

S027A  Math Pathways: The Intersection of Policy and Practice (DI, G, R)
Rachel Bates

S027B  Mathematics as a Piece of the General Education Assessment Puzzle (PA)
Laura Iossi

S028A  Spherical Excess in Antarctica (MI, G)
Dale Johanson

S028B  Math Rocks in Competition Climbing! (G, ST, CG)
Kirsten K. Meymaris

S029A  Incorporating Team-Based Learning in General Education Math Courses (IS, QR)
Laura Buch

S029B  Rethinking Developmental Mathematics (D, PA, DI)
Scott Spaniol

Thursday 12:40 pm - 1:30 pm

S030  Assessing Gen Ed Goals and Course Objectives Using a Binary Rubric (PA, DI)
John Nedel

S031  “Break Out” of the Ordinary (A Great Idea to Enhance Your Teaching) (AM, IS, IT)
Katharine Sims-Drew

S032  Using Faculty Collaboration to Design and Improve Corequisite Courses (CR, D, DI)
Krista Cohlmia, Sonia Ford, Lori Thomas

S033  Designing Inquiry-Based Learning Modules in Precalculus (IS, MI, AM)
Jae Ki Lee, Liana Erstenyuk, Sun Young Ban

S034  A Buffet of Tasks for Elementary Math Content Courses (TP, IS, AM)
Jaclyn Murawska, Keith Nabb

S035  IMPACT and IMPACT Live! – What It Can Do for You! (AM)
Evan Evans, Julie Phelps

S036  How Mathematics Is Making Hollywood Movies Better (G)
Michael Dorff

S037  The German Mathematical Impact: Leibniz, Gauss, and Beyond (H, CG, G)
David Price, Elise Price

S038  Developmental Mathematics 3.0 (D, CR)
Allan Drach, Brandie Biddy, Anne E. Edlin, Barbara Morton

S039  Facilitating Difficult Conversations with Faculty: Focus on Equity (DI, CG)
Benjamin Aschenbrenner

S040  Grit and Growth Mindset: The Foundations to Success in Mathematics (IS, D, G)
Jessica Bernards, Wendy Fresh

Shane Tang, Chris Yuen, Myrta Groeneveld, Oiyin Pauline Chow
### Thursday, November 14

#### Chat & Chew
1:50 pm - 2:40 pm

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<th>Hawkes Learning</th>
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<tr>
<td>CC02</td>
<td>Hawkes Learning</td>
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</table>
| CC03 | The Equity Equation: Rethinking Developmental Math at Triton College (D, CG)  
Tuan Dean, Tina Mote |
| CC04 | Accurate Math Placement... and Beyond (PA)  
David Busch |
| CC05 | Navigate the Waves of Change – Corequisite & Gateway Courses (CR, D, IS)  
Mari Menard |
| CC06 | Express Track Mathematics: Great Ideas for the Developmental Classroom (D, AM, IS)  
Tonia Faulling |
| CC07 | Inside Corequisite Academic Support Classrooms: What Instructors DO! (D, R)  
Bonita Tyler |
| CC08 | Corequisite Coaching: Knowledge and Confidence for College Math Success (D, IS)  
Connie Booker |
| CC09 | Bridge to Success: Supporting Native Students’ Transition in Math (CG, R, AM)  
Eva Rivera Lebron, Alfonso Heras Llanos |
| CC10 | What’s the Great Answer? Online vs. Paper Homework and Assessments (IS, G)  
Amber Severson, Erin Richgels |

| CC11 | Improving Mathematical Prowess and College Teaching (IMPACT) Live! (AM, R, IT)  
Julie M. Phelps, Evan Evans |
| CC12 | CAALL-Creating a Culture for Course Completion (CG, R, G)  
Mary Anne Schlieper, Julia H. Smith |
| CC13 | Why You Should Be Seen in Spokane in 2020 (G)  
Greg O. Cripe, Peter Wildman |
| CC14 | High-Tech and Low-Tech Ways to Engage Online Students (DL, IT, AM)  
Dona Boccio |
| CC15 | It’s a Great Idea to Support Your Affiliate Chapter! (AM, G)  
Judy Williams |
| CC16 | Great Questions for a Great Day One (IS, AM)  
Luke Walsh |
| CC17 | Great Ideas for YOUR AMATYC Conference (G, AM)  
Turi Suski |
| CC18 | Lincoln and Mandela, Words and Anchors: Random Sampling and Assignment (ST)  
Allan Rossman |
| CC19 | ASA Data Science at Two-Year Colleges Summit (ST, DI)  
Brad Thompson, Rob Gould |
| CC20 | Challenges of Teaching Calculus (MI, IS)  
Bob Cappetta |
| CC21 | Preparing to Set Sail in Precalculus (MI)  
Michael Pemberton |

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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.

| S047 | The History of Logs (Not Trees!) (H, MI)  
Eric Hutchinson, Aninul KM |
| S048 | The Entire Department Went Coreq: Learn from These Adventures! (CR, DI, PA)  
Rob Eby, Heather Albrecht, Aimee Nguyen, Abby Baumgardner |
| S049 | Promoting PROWESS: Four Pillars of Inquiry-Based Mathematics Education (IS, R, AM)  
Sandra Laursen |
| S050 | Rigor in the First Two Years: Implications for Math Departments (CR, DI)  
Uri Treisman, David Bressoud, Roxy Peck, Alycia Marshall |
| S051 | Hitting the Mark: Organization for Optimal Outcomes (AM, IS, G)  
Sarah E. Miller |
| S052 | Students Teaching Students: Fun Group Activities and Creative Projects (IS, AM, G)  
Mark Colgan |
Friday, November 15

Friday 8:00 am - 8:50 am

Featured Speaker
S053 The Equity Equation: Closing the Gap in Today's Math Classrooms (CG, AM, G)
John Urschel

S055 Aha Moments: Engagement and Exploration in Online Math (DL, AM, IS)
Maria H. Andersen

S056 Classroom Activities That Develop Statistical Thinking – Part 1 (ST, IS, AM)
Roxy Peck

S057 Apollo Memories – More of Them (Missions 7 through 13) (G, CG, H)
William G. “Bill” Weppner

S058 Attention Science and the Importance of Active Learning (IS, R, AM)
Dave Sobecki

Friday 9:10 am - 10:00 am

S059 Revisiting an Interdisciplinary Course Linking Algebra and Chemistry (AM, CR, IS)
Megumi Onoda, Brian Murphy, Amy Kabrhel

S060 Grant Series: Collaborating with AMATYC on a Grant (G, R)
Megan Breit-Goodwin, Julie Phelps, John Pazdar

S061 PreTeXt and ORCCA: Open Software for OER Production and One Example (IT, D, CR)
Alex Jordan, Cara Lee

S062 Using Life Coaching Skills with Math Students (IS, G)
Amber Rust, Mike Long, Nancy Chell, Abigail Brackins

S063 Fibonacci Numbers Are Fascinating, and That's No Fib! (MI, G, H)
George Soliman

S064 Classroom Activities That Develop Statistical Thinking – Part 2 (ST, IS, AM)
Roxy Peck

S065 Apollo Memories – Even More of Them (Missions 7 through 13) (G, CG, H)
William G. “Bill” Weppner

S066 MAC – Great Committee – Great Ideas! (AM, IS, QR)
Carol Hannahs, Stefan Baratto

S067 Great Assessments for Great Quantitative Reasoning Classes (QR, PA)
Aaron Altose

S068 Creating Equity for Students Through Teacher Collaboration (CG, DI, IS)
Mona Toncheff

S069 Beyond the Textbook for Prospective Teachers (TP, IS, CR)
Kinga Oliver, Valerie Cope

S070 Great Study Ideas for Mathematics (IS, G)
Angie Schirck-Matthews
Friday, November 15

Friday 9:00 am - 10:15 am

C7 Hawkes Learning: Mini Sessions
Mini Session 1 – Fireside Chat with Paul Nolting
Mini Session 2 – A Teaching Evolution: 7 Years of Lessons Learned
Paul Nolting

C8 Knewton
Check the conference program for complete details.

C9 Cengage: Don’t Miss the Target – Aim for Success with Corequisites
Tracy Zanolini, Melissa Reid

Friday 10:00 am - 11:15 am

S071 Developmental Math Redesign: Corequisite Models
Created by Faculty (CR, D, PA)
AJ Stachelek, Rebecca Walker, Nadia Benakli

Friday 10:20 am - 11:10 am

C10 Pearson Education: Personalized Learning & Preparedness
Diane Hollister

C11 Lumen Learning: Coreq Three Ways Using OER: Reducing Cost and Increasing Faculty Control
Nikki Handley, Paul Golisch

Friday 11:10 am - 11:45 am

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

Friday 11:45 am - 1:15 pm

Regional Meetings & Luncheons*

Northeast - Sophia Georgiakaki
Southeast - Nancy J. Rivers
Central - Rochelle Beatty
Northwest - Sarah Pauley
Mid-Atlantic - Dan Fahringer
Midwest - Jon Oaks
Southwest - April Ström
West - Eric Matsuoka

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 program.
For a description see page 22.

Friday 1:15 pm - 2:00 pm

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

Friday 1:45 pm - 3:00 pm

C13 Hawkes Learning: Mini Sessions
Mini Session 3 – A Tale of Two Coreqs
Mini Session 4 – Redefining Developmental Curriculum: Single-Semester Prep
Kate Wise

C14 Derivita: Challenging the Status Quo When it Comes to Math Technology
Devlin Daley

C15 Pearson Education: Teaching Corequisite Courses with MyLab Math and MyLab Statistics
Diane Hollister

Friday 2:00 pm - 2:50 pm

S085 Panel Discussion: Perspectives on Key Equity Issues and Practices (CG, D, DI)
Denise Lujan, Trena L. Wilkerson, Diana Ceja, Mike Steele

S090 Great Ideas – Great Impressions to Start Your Course (IS, AM)
Cindy Moore, Tammy Sullivan
**Friday, November 15**

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<th>Session</th>
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<td>S091</td>
<td><strong>Quantitative Reasoning: A Corequisite Team-Taught Approach</strong> (QR, CR, D)</td>
<td>Erik Brown, Sara Main</td>
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<td>S092</td>
<td><strong>AMATYC Grant Series: NSF Grants 101</strong> (G, R)</td>
<td>Sandra Richardson, Thomas B. Higgins</td>
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<tr>
<td>S093</td>
<td><strong>Mindfulness for Mathematics Leadership</strong> (DI, G, CG)</td>
<td>John Mitchell</td>
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<tr>
<td>S094</td>
<td><strong>Motivating Developmental Mathematics Through Collaborative Learning</strong> (D, CR)</td>
<td>Jillian Miller</td>
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<tr>
<td>S095</td>
<td><strong>Is College Algebra Really a Thing?</strong> (CR, QR)</td>
<td>Brian A. Mercer</td>
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<tr>
<td>S096</td>
<td><strong>Triggers for Your “How-To” Manuals</strong> (IS, MI)</td>
<td>Katie Mullins, Elizabeth King, Michael McKenna</td>
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**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 21 for more information.

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<tr>
<td>S086A</td>
<td><strong>Math Applications Not Past Their “Use By” Date</strong> (G, AM, IS)</td>
<td>Maria H. Andersen</td>
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<tr>
<td>S086B</td>
<td><strong>AMATYC Traveling Workshops – BINGO [Encore]</strong> (G, AM, DI)</td>
<td>Mari Menard</td>
</tr>
<tr>
<td>S087A</td>
<td><strong>Why and How of “MyOpenMath”</strong> (IT, IS, DL)</td>
<td>Tanvir Prince</td>
</tr>
<tr>
<td>S087B</td>
<td><strong>Data Moves: Engaging Students with Real Data</strong> (ST, IT, AM)</td>
<td>Robert Gould</td>
</tr>
<tr>
<td>S088A</td>
<td><strong>Personality Types in Mathematical Sciences</strong> (AM, G, CG)</td>
<td>Zarqa Bano</td>
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<tr>
<td>S088B</td>
<td><strong>Brief Survey of Arabic Mathematicians from S50-1498</strong> (H, CG, G)</td>
<td>Siham Alfred</td>
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<tr>
<td>S089A</td>
<td><strong>Mentoring Instructors: An Essential Component of Program Redesign</strong> (DI)</td>
<td>Kelly Kohlmetz</td>
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<tr>
<td>S089B</td>
<td><strong>On Fermat's and Pascal's Letters and the Birth of Probability Theory</strong> (H, G)</td>
<td>Andrzej Lenard</td>
</tr>
<tr>
<td>S097A</td>
<td><strong>An Alternative to Integration by Partial Fractions</strong> (MI, AM, IS)</td>
<td>Yusuf Gurtas</td>
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<tr>
<td>S097B</td>
<td><strong>Who Really Takes Precalculus, Anyhow?</strong> (MI, PA, R)</td>
<td>Sylvia Sorkin, Celeste Schott</td>
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**Friday 2:00 pm - 4:00 pm**

**PS**

**AMATYC Poster Session: Great Lake – Great Ideas – Great Posters** (See page 10 for a list of posters.)

**Friday 3:10 pm - 4:00 pm**

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<td><strong>Statistics – Then and Now</strong> (ST, IT, IS)</td>
<td>George Woodbury</td>
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<td>S099</td>
<td><strong>Improving Reading Skills of Developmental Mathematics Students</strong> (D, IS)</td>
<td>Diana Hestwood, Linda Russell</td>
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<td>S100</td>
<td><strong>Implementing a College Statistics Flipped Classroom with Edpuzzle</strong> (IT, ST, IS)</td>
<td>Bret Rickman</td>
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<td>S101</td>
<td><strong>Shortening the Pipe and Fixing the Leaks on the Algebra Track</strong> (CR, PA, R)</td>
<td>Kevin Hulke</td>
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<tr>
<td>S102</td>
<td><strong>Teaching Quantitative Reasoning Using a Project Approach</strong> (QR, IT, CR)</td>
<td>Synde Kraus</td>
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<td>S103</td>
<td><strong>Students Ask, “Where Am I Ever Going To Use This?”</strong> (CR, MI, D)</td>
<td>Alvina J. Atkinson, Sharron Jenkins</td>
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<td>S104</td>
<td><strong>Practical Algebra – Meaningful Mathematics Pathways at Kellogg CC</strong> (CR)</td>
<td>Graham Smith</td>
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<td>S105</td>
<td><strong>AMATYC Grant Series: NSF Grants 201</strong> (G, R)</td>
<td>Sandra Richardson, Thomas B. Higgins</td>
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<td>S106</td>
<td><strong>Why Isn’t the Square Root Algorithm Taught Today?</strong> (IS, AM, H)</td>
<td>Scott Adamson</td>
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<td>S107</td>
<td><strong>Secrets of Mental Math: Look Like a Genius Without Really Trying</strong> (G, MI)</td>
<td>Vincent LoCascio</td>
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<td>S108</td>
<td><strong>Laws, Mandates, and Reforms: Navigating Change in Developmental Math</strong> (CR, DI, D)</td>
<td>Kathleen Almy</td>
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<td>S109</td>
<td><strong>Faculty Math League</strong> (MI, G)</td>
<td>Steven Blasberg, Steven Hundert</td>
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<td>S110</td>
<td><strong>Student Says, “I Understood in Class, But When I Got Home...”</strong> (IS, AM)</td>
<td>Myung Pinner, Beth Kelch</td>
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### Poster Session

**Friday, November 15 • 2:00 pm - 4:00 pm**

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<td>PS01</td>
<td>Students’ Participatory Approach in Introductory Math Classes (IS, R)</td>
<td>Gangadhar Acharya</td>
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<tr>
<td>PS02</td>
<td>Supplemental Instruction &amp; Tutoring in Corequisite College Algebra (IS, D, Di)</td>
<td>Leah Beck</td>
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<tr>
<td>PS03</td>
<td>Supplemental Instruction and Student Impact (Di, M, IS)</td>
<td>Jim Bigelow</td>
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<tr>
<td>PS04</td>
<td>Implementing Growth Mindset Activities in Intermediate Algebra (IS, R)</td>
<td>Mural Balut</td>
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<td>PS05</td>
<td>Improving Your Teaching Style: A Village Approach (IS, AM)</td>
<td>Israel Castro</td>
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<tr>
<td>PS06</td>
<td>Does Preparing for Class Improve Student Success? (IS, D, R)</td>
<td>Chantal Cimmiyotti</td>
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<td>PS07</td>
<td>Using Backmapping to Create Integrated Reviews for Student Success (MI, IT, AM)</td>
<td>Charity Combs</td>
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<td>PS08</td>
<td>Improving Success in Developmental Math Using Collaborative Assessment (IS, D, R)</td>
<td>Dale Dawes</td>
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<td>PS09</td>
<td>Grading Homework Differently: Is Mastery-Graded Homework a Great Idea? (AM, D)</td>
<td>Lisa Feinman, Sabrina Ripp</td>
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<td>PS10</td>
<td>Learning Attitudes About Mathematics Survey (LAAM Survey) (R, ST, PA)</td>
<td>Shawn Firouzian</td>
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<td>PS11</td>
<td>Item Response Curve Analysis for Varying Item Level Difficulty (PA, G)</td>
<td>Aaron Harris</td>
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<td>PS12</td>
<td>Review Mirror: Effectiveness of Reflective Surveys (IS, R)</td>
<td>Sarah Horstman</td>
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<td>PS13</td>
<td>Improving Student Success in Late-Start Semesters (AM, CR, IS)</td>
<td>Korena Huneycutt</td>
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<td>PS14</td>
<td>Desmos: Manipulative Animation Explorations in Calculus (IT, MI, IS)</td>
<td>Austin Jones</td>
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<td>PS15</td>
<td>Devoting the First Week to Growth Mindset: Training for Long Term Gains (AM, IS, R)</td>
<td>David Jones</td>
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<td>PS16</td>
<td>Flashcards as a Tool in Studying: Identify, Strategy, Do (IS)</td>
<td>Elizabeth Jones</td>
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<td>PS17</td>
<td>Challenges and Resolutions in Project-Driven Online Statistics Classes (DL, ST)</td>
<td>Dinesh Kasti</td>
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<td>PS18</td>
<td>First Steps to a Service Learning Project with Global Impact (CG, ST, AM)</td>
<td>Barbara Leitherer</td>
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<td>PS19</td>
<td>A Multimodal View of Student Populations (CG, Di)</td>
<td>Raphael Mariano</td>
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<td>PS20</td>
<td>The Brain and Due Dates and Student Success (AM, IS)</td>
<td>Vicky Mayfield</td>
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<td>PS21</td>
<td>Discovering the Right Method of Instruction (IS, R)</td>
<td>Ana Clare Mello</td>
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<td>PS22</td>
<td>Using Group Learning Activities to Improve Student Engagement (IS)</td>
<td>Micah Miller</td>
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<td>PS23</td>
<td>Empowering Female Students to Promote the Success of Women in STEM (CG, AM)</td>
<td>Neeti Mittal</td>
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<td>PS24</td>
<td>Accelerated STEM Pathway for Precalculus (CR, IS)</td>
<td>Revathi Narasimhan</td>
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<td>PS25</td>
<td>Student Attitudes in a Mathematical Literacy Course (QR, AM)</td>
<td>Serine Ndiaye</td>
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<td>PS26</td>
<td>Using the Box Method to Divide Polynomials (IS)</td>
<td>Brooke Outlaw</td>
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<td>PS27</td>
<td>Fostering Community in Weekly Online Discussion Groups (DL, IS)</td>
<td>Nolan Outlaw</td>
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<td>PS28</td>
<td>Implementing the NC RISE Corequisite Course Model (D, CR)</td>
<td>Ryan Pescebolosolo, James Hedges</td>
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<td>PS29</td>
<td>Implementing Non-Cognitive Activities in the Emporium Model Classroom (IS, IT, AM)</td>
<td>Celeste Petersen</td>
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<td>PS30</td>
<td>STEM Core: Tenacity (PA, R)</td>
<td>Gabriel J. Porrata Vallejo</td>
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<td>PS31</td>
<td>Removing Barriers to College Success (AM, IS)</td>
<td>Kara Raymond</td>
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<td>PS32</td>
<td>Implementing Mathematics Research for a Second-Year Student (R, AM)</td>
<td>Mychael Smith</td>
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<td>PS33</td>
<td>Is Homework Inequitable? Other Ways to Build Student Self-Efficacy! (CG, IS)</td>
<td>Kelly Spoon</td>
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<td>PS34</td>
<td>Assessment with a Twist (AM)</td>
<td>Colleen Stevens</td>
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<td>PS35</td>
<td>Improving Math Education for Nurses: Updates of a National Initiative (G)</td>
<td>Anna Wendel, Daniel Ozimek</td>
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<td>PS36</td>
<td>Transparency in Learning and Teaching (TILT) (IS, CG, R)</td>
<td>Sandi Xhumari</td>
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<td>PS37</td>
<td>The Effect of Teaching Practices on Mathematics Anxiety in Math Class (IS, R, D)</td>
<td>Sun Young Ban</td>
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<td>PS38</td>
<td>Active Calculus: A Supplemental OER Textbook for Calculus I (IS, MI)</td>
<td>Juan A. Zuniga Olea</td>
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</tbody>
</table>

### Impromptu Room

This year's breakout room will be available on Thursday, Friday, and Saturday for conversation and collaboration. If you already know the topic you would like to discuss, sign up Wednesday night at the Registration area. Share your scheduled get-together on the AMATYC Facebook page. On Thursday morning, the sign-up easel will be moved outside room 101C in the Wisconsin Center. Check it regularly for new additions. In past years, the Impromptu Room was used to discuss a “hot topic” that came to mind right before the conference, to continue discussions begun in sessions, or to hold sub-committee meetings.
**Committee/ANets Meetings**  
(Open to all AMATYC members.)

**Friday 4:15 pm - 5:15 pm**

**ANets**
- Adjunct Faculty Issues
- International Mathematics
- Mathematics for Liberal Arts

**Committees**
- Developmental Mathematics
- Innovative Teaching and Learning
- Teacher Preparation

**Friday 4:15 pm - 5:45 pm**

**ANets**
- Division/Department Leadership

**Committees**
- Equity
- Mathematics and Its Applications for Careers
- Mathematics Intensive
- Mathematics Standards in the First Two Years of College (IMPACT)
- Placement and Assessment
- Research in Mathematics Education for Two-Year Colleges
  - Statistics

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

**AMATYC Ignite! 2019**

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This year, on Friday afternoon from 2:00 pm - 5:00 pm, you can purchase a glass of wine or a beer at the cash bar located in the Exhibit Hall and relax while visiting with our exhibitors.

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**Saturday, November 16**

**Saturday 7:45 am - 10:00 am**

**Saturday Awards Breakfast Session**

*Breakfast Served: 7:45 am - 8:15 am*  
("Ticket Required")

**Program:** 8:30 am - 10:00 am

**Presentation of Awards**

James (Jim) Ham, AMATYC President

**Speaker:** James Tanton

*A Dozen Proofs that 1 Equals 2: A Misguided Review of Mathematics*

---

**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**

**S111**  
Promoting Deaf and Hard-of-Hearing Student Success in Mathematics (CG, IS, AM)  
Matthew Simmons, Kimberly Fahlgren

**Featured Speaker**

**S112**  
Content, Pedagogy, Field: New Partnerships Across the 6 – 16 Continuum (TP, DI, AM)  
Mike Steele

**S113**  
Is Frustration Encouraging Your Students to Quit? (AM, IS, G)  
Peg Hohensee

**S114**  
Pre-College Sequence Redesign: Shorten, Split, and Rethink the Path (CR, D, IS)  
Kate Cook

**S115**  
Making an IMPACT Through Student Engagement (AM, IS)  
Nancy Sattler

**S116**  
Great Strides in Digital Learning: Design to Implementation (DL, D, IS)  
Lewis Hosie, Mel Taylor

**S117**  
Effects of Growth Mindset and Metacognition Interventions in Calculus (MI, AM, R)  
Rachel Chaphalkar, Geetha Samaranayake, Wesley Hough, Jake Krueger

**S118**  
Creating Quantitative Reasoning Problems – The Sequel (QR, IS, G)  
Pat Riley, Sherry McCormack, Arthur Schultz

**S119**  
The Statistics of Pop Culture: Predicting Oscar Winners (ST, IS)  
Jaimie Stone

**S120**  
Designing a Great Corequisite Course (D, CR, QR)  
Rebecca Wulf, Kristin Oakes

---

Exhibit Hall in Orlando
Saturday, November 16

Saturday 10:45 am - 12:45 pm

Committee Meeting
2020 Conference Planning

Saturday 11:55 am - 12:45 pm

S121 That's Not in the Class Notes! (IS, D)
Brandy Englert

S122 Programming Labs & Applications in Calculus and Differential Equations (IT, MI, IS)
Johanna Debrecht

S123 MAA Mathematics Competition Problems for College Students (AM, MI, G)
Scott Amin

Saturday 1:05 pm - 1:55 pm

S124 Data Science Unplugged and Unpacked (QR, ST, CR)
Cynthia McGinnis, Helen Burn

S125 Great Apps for Your Tech Toolbox (IT, G, PA)
Julie Gunkelman

S126 Literacy in Developmental Math and Quantitative Literacy (IS, QR, R)
Lindsey Gerber, Debra Ward

S127 Doing Statistics with “Cheesy” Goldfish (ST, IS, AM)
Frank Monterisi, Lisa Sterrett

S128 Evolving Math Pathways: Early Lessons from Forging Connections to K-12 (CR, DI, G)
Michelle L. Younker

S129 Engaging Your Students with Sports Rankings Using Matrices (MI, G, AM)
Patrick Wilcher

S130 You Make an Impact: Mathematics Teachers’ Influence on Attitudes (R, IS, TP)
Barbara Johnson

S131 Trig Functions: Will You See This Again? Apps For Today (MI, QR, G)
Stefan Baratto, Ward Shaffer, Carol Hannahs

S132 Math Self-Efficacy and Anxiety: Research and Classroom Solutions (D, R, AM)
Linda Zientek, Paul Nolting

S133 Precalculus: What Do Students Really Need to Know? (IS, MI, R)
Bob Cappetta

S134 Implementing a Data Science Program at a Tribal Community College (CR, ST, IS)
Alfonso Heras Llanos, Eva Rivera Lebron

S135 Composition: It’s a Factor so Come to Terms with It! (AM, IS, D)
Kari Anderson, Bruce Bordwell, Amber Delliger

Saturday 1:05 pm - 3:05 pm

S136 Moving from Dev Ed to Coreqs and Increasing College-Level Completion (CR, PA, AM)
James Morsi

S137 Making an IMPACT on Students in Mathematics (AM, IS, DI)
Ryan Kasha, Sidra Van De Car, Julie Phelps

S138 Using Desmos to Enhance Instruction & Engage Students (IT, AM)
Steven Tuckey, Alana Tuckey

S139 Teaching Introductory Statistics: Ask Good Questions (ST, QR, IT)
Allan Rossman

S140 Building Bridges: A Collaboration Between Math and Nursing Faculty (IS, DI, G)
Daniel Ozimek, Lindsay Good, Gayle Watson, Anna Wendel

S141 From 0 to 100, or How Collaboration & a State Bill Result in Redesign! (CR, DI, PA)
Edouard Tchertchian, Sam Pearsall

S142 In-Class Activities Designed to Engage Your Calculus Students (IS, MI)
Dan Clegg

S143 Mathematical Knowledge for Teaching Supports Mathematical Flexibility (AM, QR)
Patrick Mathuku Kimani, Laura Watkins, Dexter Lim, Irene Duranczyk

S144 Free Textbooks and Resources for You and Your Students (CR, MI, DI)
Ruth Trygstad, Spencer Bartholomew, Shauna Haider

S145 Fun with Feynman and Weierstrass! (MI, H)
Seth McElvaney, Tom Aydlett

S146 Where Did All the Developmental Faculty Go? (D, DI)
Logan Maxwell, Dayna Ford

S147 Math Self-Efficacy and Anxiety: Research and Classroom Solutions (D, R, AM)
Linda Zientek, Paul Nolting

S148 Implementing a Data Science Program at a Tribal Community College (CR, ST, IS)
Alfonso Heras Llanos, Eva Rivera Lebron

S149 How to Share Your Great Ideas in an AMATYC Webinar! (G, AM)
Patrick Riley

W01 An Interactive Workshop to Improve Your Online Course (DL, IS, AM)
James Hedges, Joan Romano

W02 Great Ways to Recharge Yourself: Preventing Burnout via Self-Care (G, CG, DI)
Heather Luman, Mary Elizabeth Gore

Saturday 2:15 pm - 3:05 pm

S147 C4ALL – Creating a Culture for Course Completion (CG, R, G)
Holly Markovich, Mary Beth Tsai

S148 Building Technical Mathematics Pathways (AM, IS, CR)
Kristin Montgomery, Jennifer Dragoo

S149 How to Share Your Great Ideas in an AMATYC Webinar! (G, AM)
Patrick Riley

S150 A Great Cola Challenge Taste Test! (ST, AM)
Amber Severson, Erin Richgels, Glen Richgels
Saturday, November 16

S151 Designing or Enhancing an Effective Corequisite Program (CR, IS, PA)
Jay Lehmann

S152 Curiosity and Motivation in an Online Quantitative Literacy Course (QR, AM, DL)
Amy Barnsley

S153 Break Out! Online Escape Rooms Using Google Forms (IT, IS, G)
Tami Tacker, Lea Rosenberry

S154 Is It Magic? No. It’s Mathematics! (G, MI, QR)
Terry Krieger

S155 Let’s Improve the STEM Math Pathway (MI, R, DI)
Helen E. Burn

S156 Asset Perspective on Co-Curricular Experiences: Students’ Reflections (CG, IS, MI)
Jose Maria Menendez, Guadalupe Lozano

S157 Outdoor Math Activities to Connect to the World and Each Other (IS, TP, D)
Meg Moss

S158 Great Ideas – Adjunct Sharing Session (DL, IS)
Judy King

Saturday 3:45 pm – 5:45 pm

Delegate Assembly
Delegates are to be seated by 3:30 pm

The delegate packet will be made available online for review at www.amatyc.org on October 15, 2019. If you are a delegate and have difficulty accessing the packet, contact your regional vice president.

Sunday, November 17

Sunday 8:15 am – 9:05 am

S159 Relating Great Ideas in Discrete Math with Problem Solving and Proof (MI, IS)
Carol Howald, Mike Long

S160 Great Ideas: Using POGIL to Elevate Student Learning (IS, AM)
Sarah Sexton

S161 Addressing Social Justice in Classrooms Through Context and Adaptation (CG, IS)
John Kellermeyer, Earle Crosswait, Dan Ray

S162 Calming Your Students’ Brewing Math Anxiety (IS, AM)
Laura Iossi

Sunday 9:25 am – 10:15 am

S163 (Re)discovering Calculus through Modeling and Pasta (MI, IS, IT)
Gary Simundza

S164 Recognize & Handle Impact of Microaggression & Cultural Insensitivity (CG, AM, G)
Payal Roy

S165 Productive Struggle in Polynomial and Transcendental Functions (IS, R)
Aaron Harris, James Lee

S166 An Introductory Cryptology Class for Both Math and Non-Math Majors (QR, CR)
Jennifer Bready

Sunday 10:30 am – 11:15 am

Closing Session
James (Jim) Ham, AMATYC President

+ Conference wrap-up
+ Report on Delegate Assembly actions
+ Opportunities to get more involved in AMATYC
+ Preview of next year’s conference in Spokane
+ Passing the gavel
+ Adjournment

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Milwaukee Program Key

| AM | AMATYC's new standards document, IMPACT, identifies four pillars to improve mathematical prowess and college teaching |
| CR | Curriculum Redesign (Restructuring content or delivery of a course or sequence of courses) |
| D  | Developmental Mathematics (Courses preparing students for college-level mathematics) |
| DI | Department/Division Issues (Adjunct faculty, mentoring, math labs, learning communities, tutoring, supplemental instruction, administrative issues, collaboration between institutions) |
| DL | Distance Learning (Hybrid, online, video conferencing) |
| G  | General Interest |
| H  | History of Mathematics |
| IS | Instructional Strategies (Learning styles, teaching methodologies, addressing math anxiety and study skills) |
| IT | Instructional Technology (Computer software, internet resources) |
| MI | Mathematics Intensive (College Algebra, precalculus, and beyond) |
| PA | Placement and Assessment (Student placement, assessment: student, course, program) |
| QR | Quantitative Reasoning (Quantitative literacy, contemporary mathematics, liberal arts) |
| R  | Research (Research results, research-based information) |
| ST | Statistics |
| TP | Teacher Preparation (Preparing education majors to teach mathematics) |
Remember the Past, Celebrate the Present, Invest in the Future

Looking for a way to honor, recognize, or remember a colleague, mentor, outstanding presenter, or leader? Be sure to find the tribute board in Milwaukee where gifts to the AMATYC Foundation can be made in honor or memory of anyone.

Donations can also be designated to support AMATYC’s Student Mathematics League, the Student Research League, or a number of other funds.

Join us in congratulating two AMATYC members at the annual conference in Milwaukee:

**Leila & Simon Peskoff Award**

Project ACCCESS graduate, **Carrie Muir**, recipient of the fourth annual Leila & Simon Peskoff Award.

**Margie Hobbs Award**

**Sarah Sexton**, the second recipient of the Margie Hobbs Award.

Check the October issue of the AMATYC News for details and fundraising events during the conference in Milwaukee.
American Mathematical Association of Two-Year Colleges
45th 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 20 for details). If first conference, you are encouraged to attend "AMATYC 101" (S001) and to accept the invitation you will receive in October to participate in the Conference 101 webinar. If you qualify, are an AMATYC member, and are registering prior to the end of the discount registration period, see registration category B on the next page.

Name__________________________________________

Please type or print legibly.

For Name Badge_________________________________

Member ID#______________________________________

See membership card or mailing label (if member).

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).

Residence Address________________________________

City ____________________________________________ State ____________ Zip ____________

Residence Phone(_______)__________________________

☐ Check here if this phone is a cell phone.

Emergency Contact________________________________

Phone(_______)__________________________

ADA Accommodations or Dietary Restrictions: See page 21 for instructions.

Will you be bringing a Guest(s)? (See page 20 for eligibility.)

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

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

Registration Method Discount Registration Regular Registration On-Site Registration

MAIL (3 pages) using check or credit card

Registration AND payment must be postmarked BY September 30, 2019.

Registration AND payment postmarked AFTER September 30, 2019.

Registrations sent by mail must be postmarked by October 15, 2019. After this date it will be necessary for attendee to bring form and payment with them and register on-site.

ONLINE using a credit card

Registration AND credit card information must be completed BY October 7, 2019.

Registration AND credit card information completed AFTER October 7, 2019.

Please do not fax form and credit card information after October 18, 2019. It will be necessary for attendee to bring form and payment with them and register on-site.

FAX (3 pages) to 901.333.5651 using a credit card

Registration AND credit card information must be completed BY October 7, 2019.

Registration AND credit card information completed AFTER October 7, 2019.

Please do not fax form and credit card information after October 18, 2019. It will be necessary for attendee to bring form and payment with them and register on-site.

IN PERSON using cash, check, or credit card

Not applicable

Not applicable

Register in person on-site and pay regular rate.

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 October 30, 2019. A 50% refund less a $25 service fee will be given if your written request is postmarked on or after October 31, 2019, and by November 13, 2019. NO refunds will be given for requests postmarked on or after November 14, 2019. NO refund will be given for membership dues. Requests for return of overpayments must be in writing and received by the AMATYC Office no later than December 15, 2019. 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 contact the AMATYC Office, 901.333.5643, 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 11/17/19 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.

<table>
<thead>
<tr>
<th>Check one</th>
<th>Member Types</th>
<th>Rates</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Individual Membership - One year</td>
<td>$90</td>
</tr>
<tr>
<td></td>
<td>Individual Membership - Two years</td>
<td>$175</td>
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<tr>
<td></td>
<td>Individual Membership - Three years</td>
<td>$255</td>
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<tr>
<td></td>
<td>Individual Membership - Lifetime</td>
<td>$1,800</td>
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<tr>
<td></td>
<td>Adjunct Membership</td>
<td>$45</td>
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<tr>
<td></td>
<td>Retired Membership</td>
<td>$45</td>
</tr>
<tr>
<td></td>
<td>Associate (Students who are not mathematics educators)</td>
<td>$10</td>
</tr>
<tr>
<td></td>
<td>Institutional — For information, please contact the AMATYC Office at 901.333.5643.</td>
<td></td>
</tr>
</tbody>
</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.

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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</thead>
<tbody>
<tr>
<td></td>
<td></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>
</tr>
<tr>
<td>A</td>
<td>Registration, Current AMATYC Member</td>
<td>Select meals on p. 17</td>
<td>$360</td>
<td>$400</td>
</tr>
<tr>
<td>B</td>
<td>Registration, Current AMATYC Member AND FIRST-TIME ATTENDEE1</td>
<td>Select meals on p. 17</td>
<td>$310</td>
<td>Not Available1</td>
</tr>
<tr>
<td>C</td>
<td>Registration, NON-Member2, not joining at this time or LAPSED Member, not renewing at this time</td>
<td>Select meals on p. 17</td>
<td>$475</td>
<td>$515</td>
</tr>
<tr>
<td>D</td>
<td>Registration, Current AMATYC Member, SINGLE-DAY3 Attendee</td>
<td>○Thu ○Fri ○Weekend NO meals included; may purchase meal for day selected on p. 17</td>
<td>$135</td>
<td>$175</td>
</tr>
<tr>
<td>E</td>
<td>Registration, NON-Member4 or LAPSED, SINGLE-DAY3 Attendee</td>
<td>○Thu ○Fri ○Weekend NO meals included; may purchase meal for day selected on p. 17</td>
<td>$160</td>
<td>$200</td>
</tr>
<tr>
<td>F</td>
<td>RETIREE4 Registration, Current AMATYC Member</td>
<td>NO meals included; purchase meals on p. 17</td>
<td>$180</td>
<td>$220</td>
</tr>
<tr>
<td>G</td>
<td>ADJUNCT Registration, Current AMATYC Member</td>
<td>Select meals on p. 17</td>
<td>$240</td>
<td>$280</td>
</tr>
<tr>
<td></td>
<td><strong>STUDENT Registration: Please contact the AMATYC Office for more information regarding member-sponsored student registration rates.</strong></td>
<td></td>
<td></td>
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</tbody>
</table>

**NOTE:**
- The First-Time Attendee discount is available ONLY during the Discount Registration period and ONLY to AMATYC members. Deadline to register using this discount: postmark by September 30 (via mail) or October 7 (via web or fax).
- **NON-Member** rates do **not** include membership.
- **Single-Day Registrations**
  - Single-day registrations do **not** include meals. Meals may be purchased on the next page. Single-day registrants may purchase a meal ticket for the meal function (if applicable) for the day selected to attend.
  - Single-Day registration materials are available for pick up at the registration counter on the day for which the registration applies.
- **Retiree registrations** do **not** include meals. Retiree registrants may purchase meal tickets to one or both meal functions.

**SUBTOTAL A**

**SUBTOTAL B**

---

1The First-Time Attendee discount is available ONLY during the Discount Registration period and ONLY to AMATYC members. Deadline to register using this discount: postmark by September 30 (via mail) or October 7 (via web or fax).
2NON-Member rates do **not** include membership.
3Single-Day Registrations
   - Single-day registrations do **not** include meals. Meals may be purchased on the next page. Single-day registrants may purchase a meal ticket for the meal function (if applicable) for the day selected to attend.
   - Single-Day registration materials are available for pick up at the registration counter on the day for which the registration applies.
4Retiree registrations do **not** include meals. Retiree registrants may purchase meal tickets to one or both meal functions.
C. FOOD EVENTS
(Non-Vegetarian includes a meat serving; Vegetarian is a non-meat meal)
Regional Meetings & Box Lunch — Registrant* (full conference or adjunct)
 Fri., Nov. 15
11:45 am – Noon
Included
Select one: □ Non-vegetarian □ Vegetarian

Awards Breakfast — Registrant* (full conference or adjunct)
 Sat., Nov. 16
7:45 am – 8:15 am
Included
Select one: □ Non-vegetarian □ Vegetarian

Regional Meetings & Box Lunch — Guest of Registrant, Single-Day Registrant, or Retiree Registrant
 Fri., Nov. 15
11:45 am – Noon
kts. @ $30.50/ea.

Select quantity: _____ Non-vegetarian _____ Vegetarian

Awards Breakfast — Guest of Registrant, Single-Day Registrant, or Retiree Registrant
 Sat., Nov. 16
7:45 am – 8:15 am
kts. @ $31.25/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 2019 through the close of registration, Friday, November 15, 2019, is eligible to enter the drawings for three prizes. The prizes are (1) a complimentary discount member conference registration for Spokane or a three-year membership, (2) a two-year membership, and (3) a one-year membership.

☐ Developmental Mathematics $______
☐ Endowment $______
☐ General Development* $______
☐ Grants $______
☐ Leila & Simon Peskoff Award $______
☐ Margie Hobbs Award $______
☐ Project ACCCESS $______
☐ Research in Mathematics Education for Two-Year Colleges $______
☐ Standards $______
☐ Student Mathematics League $______
☐ Student Research League $______
☐ Wanda Garner Presidential Student Scholarship $______

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

SUBTOTAL D

E. DISCOUNT
If you have been selected to receive an affiliate scholarship, select applicable registration type in Section B and enter the discount code that has been provided to you below and $360 on the “Subtotal E” line.

Affiliate Scholarship Code $______

SUBTOTAL E

PAYMENT METHOD (AMATYC Tax ID #11-2531258)

SUBTOTAL A + SUBTOTAL B + SUBTOTAL C + SUBTOTAL D + SUBTOTAL E(______)= TOTAL ______

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 ____________________________ 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 13 ☐ Thursday, November 14 ☐ Friday, November 15 ☐ Saturday, November 16

+ + Single-Day registration materials are available for pick up at the registration counter 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.)

Survey only: How do you prefer to view the conference program?
(Your response is for future planning only. A printed conference program will be available for each conference attendee in Milwaukee.)

☐ I only use the printed program given to me at registration.
☐ I only use the Guidebook app on my smartphone, tablet, or computer.
☐ I use both the printed program and the Guidebook app.
Hotel Deposit: Individual room reservations must be confirmed and guaranteed by the attendee with a deposit of one night’s room revenue (plus applicable taxes). Should an attendee cancel a reservation, refund of the deposit and/or cancellation fees will be in accordance with our general policy for the Hotel, which is a refund if an individual's reservation is canceled at least three (3) working days prior to arrival and a cancellation number is obtained. If you do not check into the hotel on the first night of your reservation, your deposit will be forfeited and your reservation will be canceled.

To make reservations online, go to www.visitmke.org/amatyc2019, scroll to the Hotel Information section, and select one of the hotels.

**Hilton Milwaukee City Center**
509 West Wisconsin Ave
Milwaukee, WI 53203
Reservations: 1.800.HILTONS (mention AMATYC Conference)

**Hyatt Regency Milwaukee**
333 West Kilbourn Ave
Milwaukee, WI 53203
Reservations: 1.800.233.1234 (mention AMATYC Conference)

**Room Rates** (per night, includes Internet)
Single/Double/Triple/Quad Occupancy $ 159
Children under 18 stay for free in their parent's room
Check-in: 3:00 pm  Check-out: Noon

*Rooms are subject to 15.1% state and local taxes, and a fee equal to 1% of your room rate per night for BID 21 Sculpture Milwaukee, (subject to change).
Getting There
(all prices quoted are subject to change)

Flight Plans

Flights to Milwaukee will arrive at Mitchell International Airport (MKE). MKE has non-stop flights from over 45 destinations, plus easy one-stop connections to more than 160 locations worldwide.

Airport/Hotel Transportation

GO Riteway Transportation Group is the exclusive shuttle service from MKE to downtown Milwaukee. To make a reservation, go to the website www.go riteway.com and click on the BOOK Airport Ride link. Be sure to select MKE Mitchell Field as the “From” location and type in Hilton or Hyatt in the “To” blank. Choose Hilton Milwaukee City Center or Hyatt Regency Milwaukee depending up which hotel you have booked. Or you can call 1.800.236.5450 to book your shuttle.

One can also use public transportation by taking the bus. The MCTS Route 80 connects downtown Milwaukee with Mitchell International Airport. It runs directly past the Hilton on 6th Street and approximately 1½ blocks from the Hyatt. Bus fare is currently $2.25 but subject to change. Visit www.ridemcts.com/ for more information.

Alternatively you can take an Uber or Lyft which are located next to Baggage Claim 2. Exit Baggage Claim by following the signs that say “Exit to Ticketing.”

Getting To and Around Milwaukee

Milwaukee is located just 90 minutes north of Chicago and within a day’s drive of one-third of the U.S. population, with the highly-ranked Milwaukee Mitchell International Airport (MKE) just eight miles from downtown. Whether you travel by plane, train, car, or bus, it just might be a quicker trip than you think.

Located downtown, the recently renovated Milwaukee Intermodal Station features 14 total Amtrak departures daily between Chicago and Milwaukee and daily direct departures between Minneapolis/St. Paul. Connect through Chicago to over 500 cities nationwide.

Milwaukee is considered to have one of the most walkable and safe downtowns in the country. With dozens of attractions, museums, restaurants, and the lakefront all located within 1.5 miles of the Wisconsin Center, located in the heart of downtown Milwaukee you have many choices to engage you after a day of sessions. In addition to safe and clean streets maintained by Milwaukee’s Downtown Ambassadors, you’ll find 3 miles of RiverWalk, an ADA accessible path that runs parallel to the Milwaukee River. Or, if you need even more water, you can enjoy miles of car-free lakeshore path that includes scenic vistas and local hot spots like Discovery World, the Milwaukee Art Museum, Veterans Park, and Bradford Beach, named a top beach in the country by USA Today.

New in 2018 is The Hop, Milwaukee’s street car, which covers most of Milwaukee’s East Town and Historic Third Ward areas, with additional expansions opening in 2019. This convenient route will connect some of Milwaukee’s most popular neighborhoods and attractions. The route starts at the Milwaukee Intermodal Station, a few blocks south of the Wisconsin Center. Rides are just $1. To learn more about The Hop visit www.visitmilwaukee.org/plan-a-visit/getting-here-and-around/transportation-in-milwaukee/milwaukee-streetcar-the-hop/.

Conference Housing

The 45th Annual AMATYC Conference begins on Thursday, November 14, 2019, at the Wisconsin Center located at 400 W. Wisconsin Ave, Milwaukee, WI 53203. AMATYC will use the Hilton Milwaukee City Center, 509 W. Wisconsin Ave, as its headquarters hotel and the Hyatt Regency Milwaukee, 333 W. Kilbourn Ave, as a second hotel. Both hotels are connected to the Wisconsin Center via skybridges.

A block of guest rooms at reduced rates has been reserved at the Hilton Milwaukee City Center and Hyatt Regency Milwaukee until October 28, 2019, or until AMATYC’s room block is sold out, whichever comes first. Any unreserved rooms in the block may be released for sale to the general public after this date. AMATYC members have purchased all available rooms the past few years, 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 links on the AMATYC conference website, the link on page 18, or by calling the hotels at the numbers listed on page 18.

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, MasterCard, Diners Card, or Cote Blanche 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 three (3) working days prior to arrival, and a cancellation number is obtained. In the event a guest who has requested a room checks out prior to the guest’s reserved checkout date, the Hotel will add an early checkout fee to that guest’s individual account. Guests wishing to avoid an early checkout fee should advise the Hotel at or before check-in of any change in planned length of stay.

The Hilton Milwaukee City Center, connected to the Wisconsin Center convention facility via skywalk, is a 1927 art deco style hotel located in the downtown area of Milwaukee. All rooms offer contemporary decor and custom-designed beds, plus flat-screen TVs and WiFi if booked within the AMATYC block.

The Hyatt Regency Milwaukee, also connected to the Wisconsin Center, is a distinctive upscale hotel near many downtown eateries. Rooms come with free Wi-Fi (booked within the AMATYC block), and flat-screen TVs.

Parking

Parking is available at the Hilton parking garage for $28 for overnight parking. Valet parking is available at the Hyatt Regency for $31 overnight. Both hotel parking lots have in/out privileges. There are also numerous parking lots in the downtown area. Visit www.milwaukeedowntown.com and click on the Get Around link on the top of the page.

Roommate Service

Those wishing to participate in the sharing economy and room with one, two, or three other conference attendees should complete the Roommate Network form that can be found on the AMATYC website, www.amaty.org, and by clicking on the “45th AMATYC Annual Conference” link, then the “Roommate Request Form” link found on that page no later than November 1, 2019. 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@cccmb.edu.

The process will involve putting you in touch with anyone else 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 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, committee and ANet meetings, commercial presentations, and the exhibits. Also included are the Friday box lunch and regional meetings and the Saturday morning breakfast.

To qualify for the discount registration rates of $360 member and $475 non-member, registration forms must be postmarked, if submitted via mail, on or before September 30, 2019. If submitted via the web or faxed, the completed registration form must be received on or before October 7, 2019. After these dates, registration will continue at the regular registration rate of $400 (member) and $515 (non-member). Registrations sent by mail must be postmarked on or before October 10, 2019, in order to be processed prior to the start of the conference.

On-site registration will be available at the regular rate ($400 member and $515 non-member). See the back cover of this miniprogram or page 18 for the days and times the registration booth will be open.

Every registration form postmarked by October 10, 2019 or faxed/emailed by October 18, 2019 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, program booklet, 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 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 transferrable to any other person. If you are not sure you qualify for this credit, please contact the AMATYC Office 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 on page 16.

The single-day registration includes admission to all concurrent sessions and workshops, general sessions, committee and ANet meetings, commercial presentations, and the exhibits for the specified day. Single-day registration does not include the box 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 service fee will be given upon receipt of a written request postmarked by October 30, 2019. A 50% refund less a $25 service fee will be given if the written request is postmarked on or after October 31, 2019, and by November 13, 2019. No refunds for non-attendance will be given for requests postmarked on November 14, 2019, or later. Requests for return of overpayments must be in writing and received by the AMATYC Office no later than December 15, 2019. All requests should be sent to the AMATYC Office. 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 contact the AMATYC Office, 901.333.5643, 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 Box Lunch 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 children'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.

For nursing mothers, the Wisconsin Center has installed a Mamava freestanding lactation suite ensuring a stress-free guest experience for moms and their families. 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**

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 before October 16, 2019, at bvance@amatyc.org.

**Conference Program**

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 included in your registration packet that you will pick up at the conference registration desk.

The conference app will be available on www.guidebook.com a week before the conference begins. You can download the Guidebook app anytime at iTunes or Google Play and then the AMATYC conference app before you travel to Milwaukee.

**Program Information**

**Thursday Information**

**Mini Sessions**

Returning for a second year, these 25-minute presentations are scheduled two to a room, but there is a 5-minute break if you want to change rooms. You can also grab a quick lunch during part A and still catch part B, or vice versa. On Thursday, every room will be used 11:30 - 11:55 am and then 12:05 - 12:25 pm. On Friday the minisessions (2:00 - 2:25 pm and 2:30 - 2:55 pm) will mix with sessions from 2:00 pm to 2:50 pm.

**Thursday**

**Themed Sessions**

Hear some Great Ideas Thursday 8:00 am to 10:00 am during six Themed Sessions, each consisting of 15-minute talks related to one theme. Speaker changes will be consistent so you can change rooms and themes as often as you like.

- **T1** The Statistics Committee will show you how to engage students with real data.
- **T2** The International Mathematics ANet will share learning and examples of mathematics in different countries and cultures.
- **T3** The Math Intensive Committee has a non-empty set of talks ranging from precalculus to differential equations with a few equal signs and order of operations ideas added in.
- **T4** The Equity Committee is ready to help with understanding equity, diversity, and social justice to ensure engagement of all students.
- **T5** The Teacher Prep Committee wants to show you how to best engage future teachers to understand number sense.
- **T6** The Pathways Joint Subcommittee looks at what is happening today in developmental math, the use of corequisite courses, creation of pathways, and then envisions the future with the assistance of Uri Treisman.

**AMATYC 101 — Walk and Learn in a New Format**

Learn about our organization, meet some of the leaders, and get tips about the conference while touring the Wisconsin Center. Tours are timed to coordinate with Themed Session talks, so you can choose when to join in.

- **Tour A:** 8:00 am - 8:20 am led by Jon Oaks
- **Tour B:** 8:20 am - 9:10 am led by Sarah Pauley
- **Tour C:** 8:40 am - 9:30 am led by Michael Pemberton
- **Tour D:** 9:10 am - 10:00 am led by Jon Oaks

**Affiliate Sharing Session**

All current and future affiliate leaders can network, ask questions, share ideas, and learn from each other during this session Thursday at 1:50 pm. Leaders will be Liz Hylton, president of ORMATYC, and Michael Pemberton, president-elect of MichMATYC. Topics for discussion include affiliate program and conference planning, ways to strengthen and grow affiliates, and other items proposed by the attendees. Bring examples of what your affiliate has been doing this past year. Share your Great Ideas and brag about your affiliate!

**Chairs’ Colloquium**

If you are a leader in your department or division, join Christine Mirbaha, leader of the Division/Department Leadership ANet, and Sean Simpson to discuss topics such as hiring, mentoring, administrative duties, and more.

**Chat & Chew**

Take a fun afternoon break. Bring your coffee or soda to the popular talk session and receive a complimentary cookie from AMATYC Corporate Partners, Hawkes Learning and McGraw-Hill Education. Choose a topic and join the facilitator at that table for an exciting 15 minutes. When the bell rings, move to another table with a different topic. You will have time for three different topics, such as “Navigating Waves of Choice – Coreq and Gateway Courses”, “Why You Should Be Seen in Spokane in 2020”, and “IMPACT Live!” to highlight just a few. Find the complete list of topics and facilitators on page 6.

**AMATYC Forums**

Four forums will be held at this fall’s conference. The forums are an opportunity for you to provide your input on the work currently being done by AMATYC committees and task forces. **All members are welcome.** AMATYC delegates are encouraged to attend.

**Input Hearing: Equity in Mathematics**

sponsored by the Equity Committee
Moderator: Benjamin Aschenbrenner, Committee Member
Thursday, 7:00 pm - 7:30 pm

This forum seeks input from AMATYC members regarding equity in mathematics. Equity, defined as a state in which all participants are enabled to participate fully and become successful in a community of practice, remains a challenge for all institutions. In this forum, we’ll review the position statement drafted by members of the Equity Committee to outline an updated stance on this critical issue.
Rise and Shine

You want to be up early and ready for a full day. At 8:00 am your speaker choices include Maria Andersen letting us in on engagement and exploration in online math, Roxy Peck sharing classroom activities to promote statistical thinking, Dave Sobeck introducing his research into attention science, and Bill Weppner back with more Apollo memories.

A late addition to the 8:00 am hour is John Urschel with his story and suggestions for how equity can close the gap in today’s math classes. Thank you to Corporate Partner McGraw-Hill Education for sharing your Ambassador with AMATYC. Be sure to visit with Urschel at the McGraw-Hill Education booth in the Exhibit Hall and watch for other opportunities to meet with him.

Regional Meetings & Luncheon
At 11:45 am get to know the people and activities in your region. Interact with your regional vice president. Be sure to bring your ticket so you can enjoy lunch at this time. At the Regional Meeting which follows, 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.

Poster Session: “Great Lake — Great Ideas — Great Posters”
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 2:00 pm - 4:00 pm. Browsing hours are Friday 11:00 am - 4:00 pm, but you will want to take advantage of the scheduled session to speak with the poster presenters.

NSF Grants 101 and 102
At 2:00 pm, Sandra Richardson and Thomas B. Higgins from the National Science Foundation provide general information about grants available to AMATYC members. Then at 3:10 pm they will be available to work with you individually to answer questions about your own grant proposal.

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. Compete for individual prizes as well as the traveling Regional Championship Trophy! Bring your calculator and sharpened pencils to the Wisconsin Center at 3:10 pm.

Academic Committee and ANet Meetings
AMATYC’s academic committees include Developmental Mathematics, Equity, Mathematics Standards for the First Two Years of College (IMFACT), Innovative Teaching and Learning, Mathematics and Its Applications for Careers, Mathematics Intensive, Placement/Assessment, Research in Mathematics Education for Two-Year Colleges, Statistics, and Teacher Preparation.

The ANets (AMATYC Networks) are groups focused on specific areas of interest to our members, including Adjunct Faculty Issues, Department/Division Leadership, International Mathematics, and Mathematics for Liberal Arts.

Take advantage of the meetings of these committees and ANets during their dedicated time on Friday afternoon at 4:15 pm. Participation is open to all and provides members with opportunities to learn more about an area of interest and share expertise with others. If you choose to become more involved in one of these groups, join their mailing list to keep up to date between conferences. Academic committees and ANets develop position statements, work on projects, and serve in an advisory role to the AMATYC Executive Board and the Delegate Assembly. See the list of forums for Thursday evening to see if your committee or ANet of interest is discussing a paper this year.

Saturday

More Great Ideas
Following the Saturday Awards Breakfast (be sure to bring your ticket) and Keynote Address, take advantage of more sessions as well as two workshops - “An Interactive Workshop to Improve Your Online Courses” (W01) and “Great Ways to Recharge Yourself: Preventing Burn Out Via Self-Care” (W02).

Delegate Assembly
The Delegate Assembly is Saturday afternoon at 3:45 pm, with delegates asked to be seated by 3:30 pm. The delegate packet will be made available online for review at www.amatyc.org. If you are a delegate and have difficulty accessing the packet, contact your regional vice president. If you have a question for the Delegate Assembly and cannot attend the conference, be sure to communicate with your regional vice president prior to the conference.

Members who are not delegates may attend the Delegate Assembly in a special seating section and will have opportunity to address the delegates and board members.
Exhibits Grand Opening and Dedicated Exhibit Times

The always exciting Grand Opening of the exhibit area will take place on Thursday afternoon from 4:30 pm until 7:00 pm. Explore the latest textbooks, videos, calculators, software, distance learning courseware, and much more. Meet the exhibitors while finding answers to questions about their new products in order to enter drawings for prizes. Check out which publisher is providing the best treats and have your picture taken with our special guests!

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 before the Regional Luncheon and Meetings and again immediately following the meetings from 1:15 pm to 2:00 pm. 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.

Because we’re in Milwaukee, often called “The City that Beer Built,” there will be a cash bar in the Exhibits Area on Friday from 2:00 pm to 5:00 pm.

Commercial Presentations

Several AMATYC exhibitors will conduct commercial presentations to highlight their products and services and to 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. 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

Weather

The weather in Milwaukee has a continental climate with wide variations in temperature. During the conference, the average high should be near 50° and the low near 33°. You’ll need a warm coat, but those wide variations make it a great idea to be prepared with layers. You probably won’t need your boots, because November is typically dry with very little snowfall. Bring a hat if you might explore the lakefront area. It can be a little cooler along the Lake Michigan shoreline, but you’ll still see runners, walkers, and bikers enjoying the beautiful lakefront paths.

Restaurants

Milwaukee is a city that celebrates its diversity, so when it comes to restaurants there is something for everyone! There are 150 restaurants in downtown Milwaukee, and 73% of them are locally owned. Dozens of those restaurants are just a few blocks from the Wisconsin Center. Whether you’re looking for comfort food or fine fare, you’ll find something wonderful.

If you’re staying at the Hilton Milwaukee City Center, you have several options right in the hotel. Get your caffeine fix at the Starbucks® located in the lower lobby. Catch breakfast at the Café. Enjoy lunch, happy hour, or dinner at the Miller Time Pub & Grill. Treat yourself to a steak dinner in the award-winning Milwaukee ChopHouse.

The Hyatt Regency Milwaukee also has a great casual restaurant…you can savor local Milwaukee flavors at Bistro 333.

Head across the street from the Wisconsin Center, and you’ll find the Capital Grille steakhouse and Doc’s Commerce Smokehouse. Go one block east for casual Vietnamese fare at XanKia. The same building houses the George Webb Restaurant with its classic diner food. Go north one block for The King & I Thai Restaurant which has a terrific lunch special and is also a great location for dinner. In that same block, you’ll find wonderful Italian food at the Calderone Club. If you prefer Habaichi-style Japanese, go one block east to Benihana.

Now you’re on the Milwaukee RiverWalk, and the options multiply! Have seafood at the Pier 106 Seafood Tavern. Enjoy creative breakfast and lunch at Brunch Restaurant. Take a brewery tour before your meal at the Rock Bottom Restaurant and Brewery. Cross the Wells Street Bridge, and you can stop off for a selfie at the Bronze Fonz before enjoying your meal at the spy-themed SafeHouse. (We can’t tell you more without the password)

There are dozens of other restaurants within walking distance, but a short trip on a bus, an Uber or Lyft, or the Hop streetcar opens up even more options. For a taste of Milwaukee’s German heritage, visit Mader’s Restaurant, which has been serving authentic German cuisine since 1902. For a more modern favorite, try the ever-changing small plate menu at Odd Duck in the Bay View neighborhood. Sobelman’s Bar and Grill is famous for their Bloody Mary’s…You can get yours garnished with bacon-wrapped cheese balls, a cheeseburger slider, or even a whole fried chicken!

If your group can’t decide on a single type of food, consider the Milwaukee Public Market in the Historic Third Ward. The Public Market houses a collection of independent merchants with freshly-prepared food ranging from tacos to soup to salad to seafood to pizza to vegan to bakery and more. On your way out, you can make a purchase at one of the artisan vendors (including cheese and sausage, of course).

Do not leave Milwaukee without experiencing cheese curds! They’re delicious when they’re fresh and squeaky, but they become truly wonderful when they are deep fried. You’ll find them on appetizer menus everywhere, but a few favorite locations to get them include Clock Shadow Creamery (where you can take a tour on Friday morning), the Uber Tap Room at the Wisconsin Cheese Mart, Jackson’s Blue Ribbon Pub, and the Lakefront Brewery. You could even try the upscale “cheese curd fritters” at Dream Dance Steak or the unique tempura-battered curds at The Iron Horse Hotel.

Friday Fish Fry is a Wisconsin tradition. A classic fish fry will include fried fish (often cod or perch) with sides of fries, coleslaw, and rye bread. But in Milwaukee, you can get your favorite spin on Friday Fish Fry, whether it’s classic, pub-style, Latin-inspired, German, Cajun, or more.

To finish off your meals, you’ll need a classic Milwaukee dessert. Milwaukee is the capital of cream puffs. The Original Cream Puff® has been the signature food item at the Wisconsin State Fair since 1924, and over 400,000 are sold at the fair every year. You can get them year-round at bakeries and restaurants all over the city. If you’re a fan of ice cream, your Milwaukee dessert of choice should be frozen custard. Made with more butterfat and egg yolk, frozen custard is made

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richer and denser and even more wonderful than ice cream. For the classic Milwaukee frozen custard experience, have yours under the neon lights at Leon’s Frozen Custard. Or try Kopps Frozen Custard, another Milwaukee institution with a huge selection of rotating flavors. If you’re not near a Leon’s or a Kopps, don’t worry! There are dozens of other frozen custard stands you can try.

You’re going to eat well in Milwaukee! If you want to start dreaming about the fantastic meals you’ll have, you can explore the “Food & Drink” section of the Visit Milwaukee website at www.visitmke.org/amatyc2019. Later, when you’re traveling to the conference, you can download the conference app and check out some recommended favorites of the Local Events Committee. Wherever you choose to eat, we encourage you to make some new AMATYC friends and invite them to go with you. Milwaukee food always tastes better with great company!

About Milwaukee

There’s an undeniable energy in fun, urban-easy Milwaukee. While still celebrating our beer brewing heritage, the city now has a powerhouse arts scene, big-city attractions, revitalized historic districts, numerous James Beard-nominated chefs, and a burgeoning locally-sourced culinary movement.

Milwaukee’s über-cool combination of cherished tradition and modern attitude is reflected in our architecture and in a variety of walk-around, character-filled neighborhoods. The city’s German heritage is celebrated along cobbledstoned Old World Third Street, and the emerging Walker’s Point area is already nationally acclaimed for its locally made cheese, chocolate, ice cream, coffee, and craft beers.

Stroll down the picturesque RiverWalk - past the “Bronze Fonz” statue of Henry Winkler’s beloved “Happy Days” character - to the Historic Third Ward. This six-square-block, converted warehouse district contains the city’s highest concentration of art galleries, as well as theaters, specialty stores, restaurants and nightlife, and is anchored by foodie paradise Milwaukee Public Market, ranked among the top markets by Frommers.

Milwaukee is the only city in the world where the city icon along the spectacular Lake Michigan shoreline – the Milwaukee Art Museum – literally opens its “wings” to welcome all. Next door, maritime heritage meets 21st century cool at Discovery World with its high-tech displays and fresh and saltwater aquariums. It is also the summer berth for Wisconsin’s official tall ship, the S/V Denis Sullivan.

Unleash your inner rebel at the world’s only Harley-Davidson Museum, where a priceless display of 450 bikes celebrates the rich history of Harley, the passion of the riders, and Harley’s contribution to pop culture over the years. And it’s game on at Potawatomi Hotel & Casino for the excitement of more than 3,100 slot machines, 100 table games, an expanded, off-track betting room, and numerous culinary options.

Family fun is guaranteed at the nationally ranked Milwaukee County Zoo, Milwaukee Public Museum, and Miller Park baseball stadium, while adults can enjoy the sample brews on brewery tours offered by MillerCoors and local microbreweries like Sprecher Brewing, Lakefront Brewery (rated in the top 4 per Trip Advisor), and Milwaukee Brewing Company. Milwaukee Food and City Tours treats you to culinary tours of the ethnic neighborhoods and excursion boats and kayaks beckon on the Milwaukee River and Lake Michigan.

With so much to see and do in Milwaukee we thought we would give you a short list to help with your planning.

1. Take a brewery tour
2. Visit the Milwaukee Art Museum
3. Snap a selfie with the Bronze Fonz
4. Get a scoop of frozen custard
5. Learn about one of America’s greatest companies at the Harley-Davidson Museum
6. Snack on some cheese curds
7. Enjoy a show
8. Explore the local foods and products at the Milwaukee Public Market

Milwaukee is your destination for fun and entertainment — any time of the year!

Email/Communications

Complimentary WiFi is available in each guest room booked within the AMATYC block at the Hilton Milwaukee City Center and Hyatt Regency Milwau- kee. Additionally, all meeting space will also be equipped with WiFi. Bring your tablet/smart phone and take notes in the sessions then fill out the evaluation on the conference app. At both hotels there is a business center with computers and printer available for your use.

Professional Networking/ Hospitality Room

Networking is one of the best parts of an AMATYC Annual Conference, and you’re going to love this year’s Professional Networking and Hospitality Area! When you’re ready for a break, join us at the Wisconsin Center’s indoor palm garden.

Members of the Local Events Committee will be there to help you relax, connect with colleagues, and meet new AMATYC friends. It’s a great place to gather while you plan your adventures in downtown Milwaukee. And make sure you take a selfie with one of our cheesheads!

Spokane 2020

Program proposals to present in Spokane can be submitted at the AMATYC website, www.amatyc.org, beginning November 1, 2019. Mark your calendar now to go to the AMATYC website to submit your proposal. The deadline for submitting a proposal to present a session or workshop in Spokane is February 1, 2020.
These presentations are open to all registrants at no charge. All commercial presentations are listed in the Conference Program section according to their day and time.

**Cengage**

C9  Don't Miss the Target - Aim for Success  
**Friday**  
9:00 - 10:15 am  
Tracy Zanolini, Melissa Reid  
Do you feel like you have a moving target? Don’t let the idea of corequisites prevent you – and your students – from hitting a bullseye! Hear how one school achieved student gains while increasing student confidence and ownership in their own learning. Plus get hands on with using worksheets effectively!

**Lumen Learning**

C11  Coreq Three Ways Using OER: Reducing Cost and Increasing Faculty Control  
**Friday**  
10:30 - 11:45 am  
Nikki Handley, Paul Golisch  
As math faculty build and refine courses with corequisite support, OER offer unprecedented flexibility to shape learning experiences and increase student success. This session features faculty sharing different co-requisite course models. See how they leverage OER to remix and customize learning materials that work for their students and pedagogical approach.

**Derivita**

C14  Challenging the Status Quo When it Comes to Math Technology  
**Friday**  
1:45 - 3:00 pm  
Devlin Daley  
With rising demands on teachers and students, now is the time to see what tools save time and cost, while providing a more effective teaching and learning environment. Get an in-depth look at Derivita, a new computer algebra system built from the ground up and designed specifically for math education.

**Pearson Education**

C10  Personalized Learning & Preparedness  
**Thursday**  
10:30 - 11:45 am  
Diane Hollister  
Pearson Customer Success is authorized by IACET to offer CEUs for this program.

C15  Teaching Corequisite Courses with MyLab Math and MyLab Statistics  
**Friday**  
1:45 - 3:00 pm  
Diane Hollister  
Explore key areas of consideration when setting up a MyLab Math or MyLab Statistics corequisite course. Learn about product features that may be particularly helpful in a corequisite setting such as Skill Builder, Personalized Homework, Companion Study Plan, and Integrated Review, and Study Skills. Pearson Customer Success is authorized by IACET to offer CEUs for this program.

**Hawkes Learning**

C7  Mini Session 1: Fireside Chat with Paul Nolting  
**Friday**  
9:00 - 10:15 am  
Paul Nolting  
Lessons Learned

C13  Mini Session 3: A Tale of Two Coreqs  
**Friday**  
1:45 - 3:00 pm  
Kate Wise  
Curriculum: Single-Semester Prep

**Knewton**

is conducting the following commercial presentation – C8, Friday, 9:00 - 10:15 am. The title and description will be included in the conference program.

Downtown Milwaukee/Photo courtesy of Visit Milwaukee
AMATYC Executive Board

James (Jim) Ham  
President  
Delta College  
University Center, MI  
jimham@amatyc.org

Kathryn (Kate) Kozak  
President-Elect  
Coconino CC  
Flagstaff, AZ  
kathryn.kozak@coconino.edu

David Tannor  
Treasurer  
Kellogg CC  
Battle Creek, MI  
davetannor@gmail.com

Sophia Georgiakaki  
Northwest Vice President  
Tompkins Cortland CC  
Dryden, NY  
georgis@tc3.edu

Nancy J. Rivers  
Southeast Vice President  
Wake Technical CC  
Raleigh, NC  
rjnrivers@waketech.edu

Rhodelle Beatty  
Central Vice President  
Kansas City Kansas CC  
Kansas City, KS  
rbeatty@kckcc.edu

Sarah Pauley  
Northwest Vice President  
Western Wyoming CC  
Rock Springs, WY  
spauley@westernwyoming.edu

Jane D. Tanner  
Past President  
Onondaga CC  
Syracuse, NY  
tannerj@sunyocc.edu

Behnaz Rouhani  
Secretary  
Georgia State University, Perimeter College  
Clarkston, GA  
brouhani@gsu.edu

Dan Fahringer  
Mid-Atlantic Vice President  
HACC—Central Pennsylvania’s CC  
Harrisburg, PA  
dpfahrin@hacc.edu

Jon Oaks  
Midwest Vice President  
Macomb CC  
Warren, MI  
midwestvp@amatyc.org

April Ström  
Southwest Vice President  
Chandler-Gilbert CC  
Chandler, AZ  
april.strom@cgc.edu

Eric Matsuoka  
West Vice President  
Leeward CC  
Pearl City, HI  
ematsuok@hawaii.edu

AMATYC Executive Director

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

Milwaukee 2019 Conference Planning Team

Keven Dockter  
Conference Coordinator  
Anoka-Ramsey CC  
11200 Mississippi Blvd. NW  
Coon Rapids, MN 55433  
763.433.1499  
keven.dockter@anokaramsey.edu

Nathalie M. Vega-Rhodes  
Asst. Conference Coordinator  
Lone Star College–Kingwood  
20000 Kingwood Dr.  
Kingwood, TX 77339  
281.318.4386  
nathalie.m.vega-rhodes@lonestar.edu

Judy Williams  
Program Coordinator  
Tidewater CC (retired)  
120 Campus Dr.  
Portsmouth, VA 23701  
757.583.2960  
programcoordinator@amatyc.org

Todd Stine  
Exhibits Chair  
Harrisburg Area CC  
One HACC Dr.  
Harrisburg, PA 17110  
717.780.2504  
amatyc.exhibits.chair@gmail.com

Turi Suski  
Milwaukee Local Events Coordinator / Incoming Conference Coordinator  
Fox Valley Tech College  
1825 N. Blummond Dr.  
Appleton, WI 54912  
920.735.4716  
suski@fvtc.edu

Tim Britt  
Asst. Program Coordinator  
Jackson State CC  
2046 North Parkway  
Jackson, TN 38301  
731.424.3520  
programassist@amatyc.org

Crystal Wiggins  
Advertising Chair  
Northwestern Connecticut CC  
Park Place East  
Winsted, CT 06098  
860.738.6300  
cwiggins@nwcc.commnet.edu

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

On-site Conference Registration • Wisconsin Center • Ballroom AB Foyer

- On-site Conference Registration:
  - Wednesday, November 13: 4:00 pm - 8:00 pm
  - Thursday, November 14: 7:00 am - 6:00 pm

- Wisconsin Center:
  - Friday, November 15: 7:00 am - 4:00 pm
  - Saturday, November 16: 7:00 am - 8:00 am

- Ballroom AB Foyer:
  - Saturday, November 16: 10:00 am - Noon

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