American Mathematical Association of Two-Year Colleges

43rd AMATYC Annual Conference
San Diego, California
November 9 – 12, 2017

Sheraton San Diego Hotel & Marina
1380 Harbor Island Drive
San Diego, CA 92101

Reservations: 1.877.734.2726 (mention AMATYC Conference)

Reservations Website:
www.starwoodmeeting.com/Book/AMATYC43rdAnnualConference

Hosted by CMC³-South and the West Region

Register for the conference online at www.amatyc.org

Keynote and Breakfast Speakers

Scott Adamson
Chandler-Gilbert CC
Is It 1957 or 2017?

Jim Matthews
Siena College
Key Components for Any Math Course: Newspapers, Trains, and Lockers

Featured Speakers

John Martin
Santa Rosa Junior College
Digging for Gold: Discovering the Golden Ratio

Myra Snell
Los Medanos College
Rethinking Placement and Remediation to Maximize Success and Equity
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

Vision Statement

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

Core Values

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

- Academic Excellence
- Access
- Collegiality
- Innovation
- Integrity
- Professional Development
- Teaching Excellence
In the opening session of the 43rd Annual AMATYC Conference, Scott Adamson asks us to think about how the teaching and learning of mathematics in 1957 compares to the teaching and learning of mathematics in 2017. What images come to mind? What are students doing? What is the teacher doing? What tools are available? Are images different in terms of what students or teachers are doing in 1957 versus 2017? Should they be different? By thinking about what mathematics is, what should be taught to prepare our students for the future and to engage them to think mathematically? Adamson will inspire us to take specific strategies back to our classrooms, reinvigorated to impact the lives of our students in 2017 and beyond.

Adamson graduated from Northern Arizona University with a bachelor’s degree in mathematics education and started his career at Payson High School. After three years, he moved to Chandler High School and completed a master’s degree in mathematics education from Northern Arizona University. For the past 20 years, he has been teaching students to enjoy mathematics at Chandler-Gilbert Community College. In 2005, Adamson completed the doctoral program in curriculum and instruction with an emphasis on mathematics education at Arizona State University.

The AMATYC Teaching Excellence Award was awarded to Adamson in 2007 and he received the John and Suanne Roueche Excellence Award, 2014-2015, from the League for Innovation. For the past 20 years, he has been teaching students to enjoy mathematics at Chandler-Gilbert Community College. In 2005, Adamson completed the doctoral program in curriculum and instruction with an emphasis on mathematics education at Arizona State University.

There are five reasons to study mathematics. These reasons should form the basis for any math course and if they do, there is a high probability of success. The Saturday morning breakfast speaker, Jim Matthews, will lead a discussion that focuses on the most important reason to study mathematics.

Matthews has been a faculty member at Siena College for over 30 years. At Siena, he teaches mathematics, computer science, and courses for the education department including supervision of student teachers. In recent years he has been teaching Discrete Mathematics, Analysis of Algorithms, Theory of Computation, and Methods and Materials for Teaching Mathematics.

Prior to joining the faculty at Siena, Matthews was a secondary mathematics teacher in Chatham, NY, and he taught mathematics for over ten years in kindergarten through fourth grade classrooms. He has also worked as a consultant for many school districts and educational associations, the majority of this work for urban and rural schools.

Matthews served on and chaired committees for the New York State Education Department. He is an active member of the National Council of Teachers of Mathematics, the Association of Mathematics Teachers of New York State, and the Seaway Section of the Mathematical Association of America. He has served on committees and boards for all of these organizations, including a term as President of the Association of Mathematics Teachers of New York State.
In 2011 Martin won the Polya award for an article that he wrote on the cycloid for the *College Mathematics Journal*. He notes that this makes him a “one-hit wonder” since he has no intention of ever writing another journal article. Martin has spoken at numerous local, state, and national conferences. In addition to his wife, Martin’s family includes three daughters, a son, two sons-in-law, eight grandchildren, one dog, and one cat. He plans to retire in 2020 (with perfect hindsight) in order to pursue his hobby of growing Pythagorean trees.

Over the years many people have ascribed mystical properties to the number known as the golden ratio. Featured speaker John Martin will explore some of the legend and lore surrounding this number as well as the mathematics behind it. Careful sifting will reveal some nuggets faculty can use to enliven their own presentations in algebra and liberal arts classes.

Martin was born and raised in Riverside, CA, where he learned to dislike smog and congested freeways. He did his undergraduate work at Humboldt State University where he found joy in learning about the history of mathematics. He began his teaching career at Clark Junior High in Glendale, CA, and subsequently taught at Crescenta Valley High School for four years. During that time, Martin took classes at the University of Southern California and earned his M.A. in mathematics. In the fall of 1981 he was hired to teach full time in the math department at Santa Rosa Junior College in Santa Rosa, CA, and remains there today.

In 2011 Martin won the Polya award for an article that he wrote on the cycloid for the *College Mathematics Journal*. He notes that this makes him a “one-hit wonder” since he has no intention of ever writing another journal article. Martin has spoken at numerous local, state, and national conferences. In addition to his wife, Martin’s family includes three daughters, a son, two sons-in-law, eight grandchildren, one dog, and one cat. He plans to retire in 2020 (with perfect hindsight) in order to pursue his hobby of growing Pythagorean trees.

Featured speaker Myra Snell has been teaching mathematics at Los Medanos College (LMC) for nearly 25 years. At LMC she has served as Chair of the Mathematics Department, Director of the Developmental Education Program, and Student Learning Outcomes Assessment Coordinator. Snell earned a B.A. in liberal arts with honors from the University of Texas at Austin in 1983. After a short stint as a professional baker (breads not cakes), she returned to school and in 1988 completed a M.A. in pure mathematics at the University of California, Berkeley.

From 2008-2010, Snell was a consultant for the Carnegie Foundation for the Advancement of Teaching when Statway was under development. In 2010, she co-founded the California Acceleration Project (CAP) with Katie Hern. Over the last six years, CAP has supported 35 California community colleges to implement accelerated statistics pathways for underprepared students. In the first cohort of eight colleges, students in accelerated statistics pathways were four and one-half times more likely to complete transferable math, and the achievement gap for African American students was eliminated. CAP now works to broaden access to college-level math and narrow equity gaps through more accurate assessment/placement using multiple measures and the use of corequisite remediation.

Snell was one of four finalists for the national Faculty Innovation award from the American Association of Community Colleges in 2014. In 2016 Washington Monthly included her (and Katie Hern) in their list of the Sixteen Most Innovative People in Higher Education.

**Symposium: The Scholarship of Teaching and Learning (SoTL) in College Mathematics**

**Y1 Friday, November 10, 10:15 am – 11:05 am**

*Exploring Teaching and Learning in College Mathematics*

Jacqueline Dewar, professor emerita of mathematics at Loyola Marymount University, has worked with two- and four-year college faculty to improve K-12 math/science teacher preparation programs, encourage women’s participation in mathematics, and undertake scholarly investigations of teaching and learning. Drawing on her experience as a Carnegie scholar and co-editor and contributor to *Doing the Scholarship of Teaching and Learning in Mathematics*, she will describe the challenges and rewards of engaging in the scholarship of teaching and learning.

**Y2 Friday, November 10, 11:25 am – 1:25 pm**

*Embarking on Inquiry in Your Classroom*

Ann Sitomer, mathematics education and evaluation researcher, and Jacqueline Dewar, professor emerita of mathematics at Loyola Marymount University, will present some of the foundational elements of classroom research including methods and design, considerations of researching within your own classroom, and the sharing of research outcomes. Examples of research topics and SoTL research studies in mathematics will be presented. Participants will have the opportunity to share and discuss research questions and designs that could grow into SoTL research projects at their home institutions.

**Y3 Saturday, November 11, 10:45 am – 12:45 pm**

*Moving from Reflective Teaching to Classroom Inquiry*

John T. Smith, mathematics professor at Pellissippi State CC and Chair of RMETYC, and Megan Breit-Goowin, mathematics professor at Anoka-Ramsey CC, will facilitate an exploration of classroom inquiry through SoTL investigations. The workshop will include examples of SoTL research in postsecondary mathematics and opportunities for participants to collaboratively explore teaching and learning questions pertinent to the first two years of college mathematics and their classroom experiences.
### Chat & Chew  Ω  Thursday 8:00 am - 8:50 am

Pastries being provided courtesy of AMATYC's Corporate Partners - Hawkes Learning and McGraw-Hill Education.

Be sure to bring your own beverage.

(See page 21 for a description of this event.)

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<tr>
<th>CC1</th>
<th>CC17</th>
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<tbody>
<tr>
<td>How to Motivate the 21st-Century Learner</td>
<td>Integration Bee in a Box</td>
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<td>Kate Gallagher</td>
<td>Kristi Rieg</td>
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<tr>
<td>Engage Students Through Technology</td>
<td>Sudoku – Rules, Origins, Puzzles</td>
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<td>Marcel Prevuznak</td>
<td>Sharon Sweet</td>
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<tr>
<td>Transforming the Classroom – Adaptive Learning with ALEKS</td>
<td>Fantastic Apps and Where to Find Them</td>
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<tr>
<td>Mary Merchant</td>
<td>Nathalie Vega-Rhodes</td>
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<td>Active Learning in the Non-STEM Classroom</td>
<td>Developmental Math Real-World Problem: Ideas for Possible Solutions</td>
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<td>Dave Sobecki, Brian Mercer</td>
<td>Paula Wilhite</td>
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<td>Women's March to STEM Equity</td>
<td>Help with the Guidebook App</td>
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<td>Nina Bohrnel</td>
<td>Darlene Winnington</td>
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<tr>
<td>Classroom Assessment – What It Tells About Students and Teachers</td>
<td>Searching for Effective Projects for Elementary Statistics Students</td>
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<tr>
<td>Carl Clark</td>
<td>Prudence York-Hammons</td>
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<td>History of Math in Competitive Math Problems</td>
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<td>Steven Davis</td>
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<tr>
<td>How to Keep Up with Millennials and Get Them Engaged in Learning Math</td>
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<td>Ilknur Erbas-White</td>
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### Thursday 8:00 am - 8:50 am

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<tr>
<td>Is a Corequisite College Algebra Course Possible?</td>
<td>Self-Guided Placement: A Retrospective Study of Algebra Students (PA, R, D)</td>
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<tr>
<td>(D, IS, MI)</td>
<td>Debbie Panasuk, Kim Puhala</td>
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<td>Becky Discher, Carri Hales</td>
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<tr>
<td>Using Web-Based Interactive Songs to Help Students Learn Statistics (ST, IT, R)</td>
<td>AMATYC 101 (G)</td>
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<tr>
<td>John Weber</td>
<td>Liz Hylton, Dan Fahringer</td>
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<tr>
<td>Integrating Open Educational Resources in Mathematics Courses (CR, DI, G)</td>
<td>Faculty Collectively Learning to Increase Homework Completion Rates (IS, R, DI)</td>
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<td>Pete Surgent, Danielle Truszkowski</td>
<td>Milena Cuellar, Steve Cosares, Haley McNamara</td>
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<tr>
<td>Quantitative Reasoning – Global Numeracy, Global Change (GC, GE, IT)</td>
<td>From Toys to STEM: Tactile Activities for Precalculus Through Calculus (MI, IS)</td>
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<tr>
<td>John Thoo, Kurt Kreith, Al Mendle</td>
<td>Sylvia Gutowska, Clarence Baney</td>
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<tr>
<td>Projects! Projects! Projects! Explore Implementing Simple Projects! (IS, GE, D)</td>
<td>Designing Online Developmental Mathematics for Student Success (DL, D, R)</td>
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<tr>
<td>Keturah Johnson</td>
<td>Amy Barnsley, Kay Penkava</td>
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Thursday, November 9

S011  Tools for Creating Your Own Accessible Math Documents (G, IT, IS)
      Susan Mosteller, Mary Monroe-Ellis

S012  Post Assessment Blues (IS)
      Rachel Frankel, Karen Smith

S013  How Could Artificial Intelligence Change College Math Education? (IS, IT, G)
      Alexander Atwood

S014  Engaging College Algebra Students Using STEM Labs (CR, MI, D)
      Alina A. Atkinson, Angela Lively, Sharron Jenkins

S015  Medieval Mathematics (H, GE, G)
      David Price, Elise Price

S016  Non-STEM Developmental Math Courses: Content and Training (D, CR, ST)
      Anne Praderas Vance, Colleen Hosking

Thursday 9:10 am - 11:05 am

Themed Session

T1  Data Science and the Introductory Statistics Course

T1A  Real Data Is Messy … and Manageable (ST)
      Carl Clark, Beverly Wood

T1B  Introductory Data Cleaning and Presentation for Data Science (ST)
      Karen Starin, Andrew Kerr

T1C  ASA DataFest: A Data Science Immersion Experience (ST)
      Robert Gould

T1D  Using FRED (Federal Reserve Economic Data) in Introductory Statistics (ST)
      Kim McHale

T1E  Visualize This! Using R in Introductory Statistics Courses (ST)
      Mary Rudis

T1F  Developing a Two-Year College Data Science Certificate Program (ST)
      Brian Kotz

Thursday 10:20 am - 11:10 am

S017  Priming the Quantitative Literacy Course (GE, CR)
      Marcus Jorgensen

S018  Putting Applications First in Math Lessons (IS, CR, GE)
      Kevin Hulke

S019  Make Them Think! Engaging Students in Productive Struggle (IS, D, GE)
      Mike Sieve, Heather Howington

S020  Teach Your Students When and Where They Want to Be Taught! (IT, DL)
      Christina Dwyer

S021  Math in an Instant-Feedback World (IT, IS, CR)
      Jessica Bernards, Wendy Fresh

S022  The Adjunct Instructor: Tools for Success (DI, IS, TP)
      Ken Rand

S023  Making Connections Through Interactive Learning (D, IS, R)
      Barbara Johnson, Judy Beecher

S024  Math Works!! Activities that Make Connections (GE, IS)
      Pat Riley

San Diego Program Key

CR  Curriculum Redesign (restructuring content or delivery of a course or sequence of courses)
D  Developmental Mathematics
DI  Department/Division Issues (adjunct faculty, mentoring new faculty, math labs, interdisciplinary classes or projects, tutoring, administrative issues)
DL  Distance Learning (hybrid or online classes)
G  General Interest
GC  Global and Cultural Education (awareness of mathematics in other cultures, and appreciation of our role as educators with global citizenship)
GE  Mathematics for General Education (finite mathematics, liberal arts, quantitative literacy)
H  History of Mathematics
IS  Instructional Strategies (learning styles, teaching methodologies, addressing math anxiety and study skills)
IT  Instructional Technology (computer software, Internet resources, graphing calculators, etc.)
MI  Mathematics Intensive (college algebra, precalculus and beyond)
PA  Placement and Assessment (placement of students, and assessment in the classroom or of courses and programs)
R  Research (includes research results or work based on research)
ST  Statistics
TP  Teacher Preparation (preparing teachers of mathematics at any level)
Thursday, November 9

S025  It Is Prime Time for Corequisite College Math (D, CR)
Tina Ragsdale, Heather Coltharp, Corey Waddlington

S026  Removing Barriers to Success in Front-Door Math Courses (R, G)
Maryke Lee, Deborah Howard, Miray Seward, Chris S. Hulleman

Thursday 11:20 am - 12:35 pm

C1  Pearson Education: MyLab Math & MyLab Statistics: Skill Builder & Companion Study Plan Assignments
Diane Hollister

Thursday 11:30 am - 12:20 pm

S027  Statistical Errors: Finding Them, Avoiding Them (ST, G)
Brian Smith

S028  Prime Time for a Look at the Electoral College (GE, G)
Curtis Mitchell

S029  Infinite Series: Pre-Algebra Through Calculus II (MI, D, G)
Kirby Bunas

S030  Group Work with Primes: A Dynamic Atmosphere for Learning (IS, IT)
Rochelle Beatty

S031  Prime Instructional Principles for Fully-Online Developmental Math (DL, D, IS)
Mel Taylor, Lewis Hosie

S032  Failure Is NOT an Option ... Or Is It? (IS, G)
Kelly Jackson, Andrea Hendricks

S033  Measurement: What's the Right Angle? (GE, IS, MI)
Trey Cox

S034  Ready to Share - OER Textbooks for College Algebra and Trigonometry (CR, MI, G)
Ruth Trygstad

S035  Have a Prime Time with Games! (IS, GE)
Cindy Moore, Tammy Sullivan

S036  Strengthening Mathematics Courses for Elementary Education (TP, IS)
Pamini Thangarajah

S037  The Making of Modern Statistics: A Historical Journey (H, ST, GE)
Anthony Piccolino

S038  Prime Ideas for Engaging Students in Developmental Classes (D, G, IS)
Annette Cook

S039  Priming the Adjunct Faculty Issues Pump (DI, G)
Judy King

Thursday 12:40 pm - 2:40 pm

Q1  Chairs' Colloquium (DI)
Christine Mirbaha, Sean Simpson

Thursday 1:40 pm - 2:55 pm

C4  Pearson Education: Increase Student Engagement and Learning with Learning Catalytics
George Woodbury, Diane Hollister

Thursday 1:50 pm - 2:40 pm

Camps & Clubs Showcase

CCS1  GRITS – Girls Raised in the Sciences – Summer Camp to Inspire Young Minds
Cathey Jordan, Lisa Hodge

CCS2  Run a Fun Math Summer Camp for Kids. Where Should You Begin?
Sally Mulvey, Gabriela Sprague, Hanli Huang

CCS3  Charter a Mu Alpha Theta Chapter on Your Campus
Paige Perry

CCS4  Book Clubs – They Aren’t Just for English People
Leah Rineck, Kelly Kohlmetz

CCS5  Refresh Before You Test: Your Role in Student Placement & Success
Shannon Ruth, Rachel DeAlejandro
Thursday, November 9

Thursday 1:50 pm - 2:40 pm

S051 Affiliate Sharing Session (G)
Alvina J. Atkinson, Luke Walsh

S052 How Students Understand Statistics: A Prime Time to Implement Projects (ST, IS, DL)
Wendy Pogoda, Rachel Bates

S053 The Intersection of Accessibility and Basic Skills (IS, D)
Gaëir Dietrich, Christine Tunstall

S054 Grasp the Math: Using 3D-Printing and Active Learning in Trigonometry (IS, IT, R)
Lee Singleton

S055 HIDD3N F1GURES – Where Is the Math? (IS, IT, D)
Venita Morgan, Benjamin Cagle, Shondranise Wright

S056 Time to Get a Job! (D, IS, G)
Rachel Marcial, Ben Moulton, Carla Kulinsky

S057 Promoting Persistence: It’s All in the Details! (IS, G, D)
Sarah Miller

S058 Broadening Pathways: Teaching Math Lit Online (D, DL, IS)
Kathleen Almy, Heather Foes

S059 Research-Informed Instructional Practices: The Non-Negotiable Core (IS, R)
Matt Larson

S060 Making Sense of Statistical Inference: A Simulation Approach (ST, IS, IT)
Daren Starnes

S061 How to Prime Your Distance Learning Students for Success (DL, IS, R)
Jackie Johnston, Doug Richey

S062 Placement and Assessment Round Table (PA, D, DL)
Behnaz Rouhani

Thursday 3:00 pm - 4:30 pm

Opening General Session

Remarks by
Jane D. Tanner, AMATYC President

Presentation of the 2017 Herb Gross Presidential Award to Keven Dockter, Conference Coordinator

Speaker: Scott Adamson
Is It 1957 or 2017?

Thursday 4:30 pm - 7:00 pm

Grand Opening of the AMATYC Exhibits

Thursday 7:00 pm - 8:30 pm

AMATYC Forums

7:00 pm - 7:30 pm

• Initial Hearing: The Science of Learning
  Moderator: Paula Willhite, Chair, Developmental Mathematics Committee

• Initial Hearing: Working Conditions of Adjunct Faculty
  Moderator: Judy King, Leader, Adjunct Faculty Issues ANet

7:30 pm - 8:00 pm

• Initial Hearing: Student Learning Problems
  Moderator: Paula Willhite, Chair, Developmental Mathematics Committee

• Second Hearing: Mathematics for Students in Two-Year Terminal Programs
  Moderators: Ernie Danforth, NE Regional VP, and Stefan Baratto, Chair, Mathematics and its Applications for Careers Committee

8:00 pm - 8:30 pm

• AMATYC IMPACT: Improving Mathematical Prowess And College Teaching
  Moderators: Mary Beth Orrange and Nancy Sattler, Co-Chairs

Thursday 7:00 pm - 9:50 pm

Research Session

R1 A Case Study of Departmental Change
Chris Rasmussen

R2 Best Practices to Transition Learners from One Level to Another
Courtney Nagle, Jodie L. Styers, Chris L. Yuen

R3 Experiences of Latino Students in a CC Developmental Mathematics Class
Anne Cawley

R4 Concepts Fundamental to Elementary Algebra in the College Context
Claire Wladis, Kathleen Offenholley, Susan Licwinko, Dale Dawes, Jae Ki Lee

R5 Transitioning Learners to Calculus in Community Colleges
Helen Burn, Vilma Mesa, J. Luke Wood, Eboni Zamani-Gallaher

R6 “Can’t vs Aren’t”: The Benefits of Learning How to Learn Math
Julie A. Maier, Judy Atkinson

R7 Pre-Service Teachers’ Content Knowledge and Accompanying Errors
Mike Long, Judy Werner

R8 Reconceptualizing Professional Learning: Lessons from Design Research
Ann Sitomer, Leslie Glen

R9 CC Faculty and the Doctoral Quest: Finding a Way to Be Phinished
Jennifer Travis, John T. Smith

R10 Implementation and Impact of a Web-Based Activity and Testing System
Shandy Hauk, Bryan Matlen
Friday 7:45 am - 9:15 am
Regional Meetings* & Continental Breakfast

Northeast - Ernie Danforth
Southeast - Nancy J. Rivers
Central - Nicole Lang
Northwest - Liz Hylton
Mid-Atlantic - Dan Fahringer
Midwest - Jon Oaks
Southwest - Kate Kozak
West - Mark Harbison

Breakfast Served: 7:45 am - 8:15 am
Ticket Required for Breakfast Portion

*States, provinces, and territories for each region will be listed in the conference program.
For a description see page 22.

Friday 9:15 am - 10:15 am
Dedicated Exhibit Time
Visit the publishers and other exhibitors – talk to sales representatives, authors, and editors!

Friday 10:00 am - 11:15 am

C7  Hawkes Learning
Check the conference program for complete details.

C8  McGraw-Hill Education: Math Placement Success: Evaluating the Data of Multiple Measures
John Hansen

C9  Pearson Education: Flipping the Classroom with MyLab Statistics Interactive
Michael Sullivan

Friday 10:15 am - 11:05 am
Symposium: The Scholarship of Teaching and Learning in College Mathematics

Y1  Exploring Teaching and Learning in College Mathematics (R)
Jacqueline Dewar

S063  Optimizing Related Rates and Relating to Optimization (MI, IS)
Karen Summerson, Ivana Seligova

S064  OERs, BCCC and ME (CR, D, IT)
Scott Saunders

S065  Course-Based Assessment: Understanding the Complexities (PA, D, IS)
Rachel Bates, Andrea Schaben, Molly Beauchman, Cheryl Hawkins

S066  Beyond the Classroom (DL, IS)
Francois Bereaud, Chris Silva, Anne Gloag

S067  Using Mapping Diagrams to Make Sense of Functions and Equations (CR, MI, D)
Martin Flashman

Friday 11:25 am - 12:15 pm

S074  Study of the Impact of Feedback on Math Instructor Performance (DI, DL, R)
Peg Hohensee, Leslie Johnson

S075  AMATYC IMPACT: Understanding PrOWess – Student and Faculty OWnership (G, IS)
Karen Gaines, Julie Phelps

S076  A Prime Time to Bring Change to Community College Statistics Courses (ST, CR, DI)
Anita Wah, Lara Rosenberger, Richard Corp

S077  Primed to Help Students Succeed: Reflections on OER Adoption (CR, DI)
Emiliano Vega, Ralf Youtz

S078  The Calculus Course of the Twenty-Second Century (H, MI, IS)
Michael George

S079  Hey! You Got QR on My Liberal Arts Math! (GE, IS, CR)
Dave Sobecki

S080  Calculus Students Do Not Know Graphs – Learn How to Fix That (MI, PA, IS)
Rob Eby

S081  GeoGebra: A Tool to Connect S, T, and E with M (IT, IS)
Christopher Heeren

S082  Hands-On Math for Pre-Service Teachers 101 (TP, IS)
Mark Kuhlman, Teresa Stricklin

S083  Supporting Students Online Through Web Conferencing (DL, IT)
Christina Holdiness

S084  Social Justice Data: Bridge to Interest in Statistical Analysis (ST, GC, CR)
Sue Ann Jones Dobbyn, Brittany Mosby
Friday, November 10

Friday 11:25 am - 1:25 pm

Symposium: The Scholarship of Teaching and Learning in College Mathematics

Y2  Embarking on Inquiry in Your Classroom (R)
    Ann Sitomer, Jacqueline Dewar

Friday 12:25 pm - 1:40 pm

C10  Hawkes Learning
    Check the conference program for complete details.

C12  Pearson Education: Using Workspace to Unpack Students’ Math Errors and Promote Reasoning
    Ruthmae Sears, Caree Pinder

Friday 12:35 pm - 1:25 pm

S085  Interactive Animations for Calculus, Inside and Outside the Classroom (IT, MI, IS)
    Dan Clegg

S086  Hands-On Precalculus - Modeling and More! (CR, MI)
    Suzanne Lavertu, Carol Paxton, Michael Davis

S087  Showing the Data: Multiple Studies of Dana Center Math Pathways [DCMP] (R, CR, D)
    Jennifer Dorsey, Elizabeth Zachary Rutschow, Linda Zientek, Karin Samii-Shore

S088  Prime Time Flipped – Utilizing the Prime Time of a Flipped Class (GE, ST, IS)
    Denise Nunley

S089  Have a Prime Time with Baseball in San Diego! (GE, ST, G)
    Steve Krevisky

S090  Enliven Your Classroom with Engaging Strategies and Activities (IS, IT)
    Randy Gallaher, Kevin Bodden

S091  Strategies to Improve STEM Student Transition to and Through Calculus (MI, R, DI)
    Helen Burn, Vilma Mesa, J. Luke Wood, Eboni Zamani-Gallaher

S092  Activities for GAISEing into Statistics (ST, IS, IT)
    Michael Sullivan

S093  Using Group Projects Online to Encourage Collaboration (DL, IS)
    James Hedges, Joan Romano

S094  Zapp! the Tedium with Apps and Applications in a Liberal Arts Course (GE, G, IT)
    Tom Pirnot

S095  College Trigonometry Grading Based on Formative Assessment Standards (PA, IS, CR)
    Connie Schrock

Friday 1:45 pm - 2:35 pm

S096  Just a Spoonful of Sugar ... (MI, IS)
    Beth Tsai

S097  Through the Eyes of the Mathematician (H, G)
    Cheryl Ooten

S098  Want an Active Classroom? Use the Five Practices! (CR, IS, MI)
    Keith Nabb

S099  Third National Developmental Math Summit: Looking Back, Moving Forward (D, IS, PA)
    Paula Willhite, Julie Phelps, Paul Nolting, Annette Cook

S100  Improving Understanding and Success Rates in Introductory Statistics (ST, IS, IT)
    Patti Frazer Lock

S101  Activities and Projects to Promote Mathematical Literacy (GE, IS, D)
    Patty George, Daniella Cortez, Angie Conley, Ilva Mariani

Featured Speaker

S102  Digging for Gold: Discovering the Golden Ratio (G, MI, H)
    John Martin

S103  Students’ Deep Reflection of Pre-Statistics and Statistics: Mini Essays (ST, IS)
    Jay Lehmann

S104  Learning College Finite Math and Applied Calculus with Games (IS, DL, IT)
    Stefan Waner

S105  Mathematics for Elementary Teacher Candidates – Are They Prepared? (TP)
    Judy Werner, Mike Long

San Diego Program Key

CR  Curriculum Redesign (restructuring content or delivery of a course or sequence of courses)
D  Developmental Mathematics
DI  Department/Division Issues (adjunct faculty, mentoring new faculty, math labs, interdisciplinary classes or projects, tutoring, administrative issues)
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G  General Interest
GC  Global and Cultural Education (awareness of mathematics in other cultures, and appreciation of our role as educators with global citizenship)
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H  History of Mathematics
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MI  Mathematics Intensive (college algebra, precalculus and beyond)
PA  Placement and Assessment (placement of students, and assessment in the classroom or of courses and programs)
R  Research (includes research results or work based on research)
ST  Statistics
TP  Teacher Preparation (preparing teachers of mathematics at any level)
Friday, November 10

S106 Customizing for Success (IS, D)
Fenecia Foster

S107 Statistics: A Tool for Creating Culturally Relevant Lessons (ST, IS, GC)
Diane Kinch

Friday 1:45 pm - 3:45 pm

PS AMATYC Poster Session: It’s a Prime Time for Posters
(See page 10 for a list of posters.)

Friday 2:45 pm - 4:00 pm

C14 McGraw-Hill Education: A Journey Through the Implementation of a Corequisite Course
Andrea Hendricks

Friday 2:55 pm - 3:45 pm

S108 Pathway to Success (CR, D, IS)
Linda Hintzman, Carrie Starbird, Richard Abdelkerim

S109 YouTube and Student Response: Prime Factors in Student Success (IT, IS, DL)
Jeffrey C. Jones

S110 Student Solutions to Some Interesting Tiling Problems (G, GE, TP)
David Dudley

S111 Game on: Connecting Game Play and Mathematics to Impact Student Outcomes (IT, IS)
Amber Muenzenberger, Dan Petrak, Rob Eby

S112 Make a Bet: You Belong in an ANet (DI, GC, GE)
Christine Mirbaha, Judy King, Steve Krevisky, Fary Sami

S113 It’s Not Your Father’s Primes … It’s Yours … Create Your Own! (G, IS, GE)
Frank Weidenfeller

S114 Learning at Scale: Using Research to Improve Learning in Math (R, G, IS)
Maria Andersen

S115 Sampling Variability – Early and Often (ST)
Roxy Peck

S116 Using Data to Improve a College Math Curriculum and Equity (PA, MI)
Jack Rotman

S117 Collaborative Opportunities for an Academic Resource Center (DI, G, IS)
Abby Allen Noble, Megan Salter

S118 Developing a Growth Mindset in Your Students (IS, G)
Trisha Danielle Unten

S119 Faculty Math League (MI)
Steven Blasberg, Steven Hundert

Committee/ANets Meetings
(Open to all AMATYC members.)

Friday 4:00 pm - 5:00 pm

ANets
Adjunct Faculty Issues
Division/Department Leadership
International Mathematics
Mathematics for Liberal Arts

Committees
Innovative Teaching and Learning
Teacher Preparation

Friday 4:00 pm - 5:30 pm

Committees
Developmental Mathematics
Mathematics and its Applications for Careers
Mathematics Intensive
Placement and Assessment
Research in Mathematics Education for Two-Year Colleges
Statistics

Friday 6:00 pm - 8:00 pm

Ignite Event

Impromptu Room

This year’s conference will have a breakout room Thursday, Friday, and Saturday for conversations among colleagues. In San Diego, you can sign up Wednesday in the registration area for a time when you would like to meet colleagues in Marina 2 on the Lobby Level of the Sheraton Hotel & Marina. In past years, the room has been used to discuss a “hot topic” that has come to your attention right before the conference or for subcommittee get-togethers. The sign-up easels will be moved outside Marina 2 on Thursday morning. If you discover a topic that you would like to initiate a conversation about or to continue a discussion that couldn’t be completed in a session, pick a time slot to get together in the Impromptu Room. Check to see who has signed up and what topic they will be discussing.

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.
PS01  Placement Using Multiple Measures: The Process and the Outcomes (PA)
Patty Amick, Cheryl Hawkins

PS02  Building an Online Discrete Math Course (DL, MI)
Andrew Beiderman

PS03  Contextualized Corequisite Algebra Track (CCAT) Gets Down to Business (CR, IS, DI)
Roger Blanco, Maria Cristina Montes De Oca

PS04  Increasing Engagement with Technology for Pre-Service Teachers (TP, IT)
Abigail Brackins

PS05  The Intrusion Conclusion (CR, IS, G)
Terrie Breetzke

PS06  Statistics Professional Enhancement Program for a Data-Centric World (ST, IS)
Mike Brilleslyper, Ambika Silva

PS07  Math Can Be Taxing: Incorporate Taxes into Your Classroom Activities (GE, IS)
Eric Burnheimer

PS08  Implementing Research-Based Redesign Strategies – Failure to Success (CR, D)
Heather Coltharp, Corey Waddington

PS09  English Language Learners (ELLs) and Elementary Mathematics (TP, IS, GC)
Eileen Cyr

PS10  Teaching the Law of Large Numbers Using a Set of Non-Transitive Dice (IS, ST)
Duane Day, Charlie Baker

PS11  Math Boot Camp: Clearing the Path to College Algebra (PA, D, IS)
Jeanine DiDonato

PS12  Integrating Service Learning in Introductory Statistics (ST, IS)
Christina Elliott

PS13  Quantitative Reasoning Projects in Gateway Algebra Courses (ST, IS)
Liana Erstenyuk

PS14  Prerequisite Checks for a Successful Semester (IS, ST)
Patrick Fingerson

PS15  Creating Content for Flipped Courses (CR, IT, IS)
Kevin Fink

PS16  Introducing a Precalculus Course for Applied Calculus (CR, MI)
Michael Finley

PS17  Incorporating Contextual Interference Practices into College Algebra (IS, MI)
Timothy Glatzer

PS18  Professional Development Beyond the Conference (G)
Julie Gunkeleman

PS19  The Flipped Mathematics Classroom: A Literature Review for Application (R, IS, CR)
Aaron Harris, Lisa Brady

PS20  Weekend College Success (CR, IT, D)
Kathryn Hernandez

PS21  Building Equity in STEM – Fostering Pathways for Developmental Students (D, CR, R)
Vanessa Hill, Lauren Brewer

PS22  A Walk on the Pathway to Statistics (ST, D, CR)
Carol Howard

PS23  Contextualized Math Curriculum for Welding and Manufacturing (CR, G)
Rachel Johnson

PS24  Written Homework vs. Online Homework - Is One Better than the Other? (IT, IS, R)
James Lee

PS25  Assessment Standards for Community College Mathematics (PA)
David Liu

PS26  Addressing Students’ Prerequisite Knowledge in Applied Calculus (MI, IS)
Ellen Matheny

PS27  Using Standards-Based Grading in Developmental Math Courses (CR, D)
Shelbi Mayo

PS28  Increasing Student Preparation in Calculus (MI, CR)
Adriana Mendoza

PS29  Flipping the Classroom Using OER Materials (IS, CR)
Amit Mishal

PS30  Social Justice as Statistics Context (ST, CR)
Carrie Muir

PS31  Increasing Student Interaction in the Math Classroom Using Mobile Apps (IT, IS)
Reva Narasimhan

PS32  Forging a Third Path (CR, D)
Aimee Nguyen

PS33  AMATYC IMPACT {Improving Mathematical PROWESS And College Teaching} (G)
Mary Beth Oranje

PS34  Onboarding Enhances Self-Directed Learning – Elementary Algebra Model (D, DL, IS)
Lester Owens

PS35  Enhancing Mathematics Learning Using Real-World Explorations (GE, IS)
Sarah Park, Lee Ann Roberts

PS36  Regional Sodalities: Their Role in Developing Math Faculty (IS, G)
Lawrence Perez, Jack Appleman

PS37  Using Problems of the Day to Improve Student Engagement (IS, G)
Ryan Pescosolido, Marty Kellum

PS38  Accelerating Developmental Students to Credit (D, IS, CR)
Leah Rineck

PS39  Fibonacci Numbers and Mathematical Induction (MI, H, G)
Stephen Rostoker

PS40  Cooperative Learning in Calculus Classes (MI, IS)
Preeti Singh

PS41  Active Learning Strategies for Precalculus (IS, CR, MI)
Julia Smith

PS42  The Challenges of Sudoku (GE, G)
Sharon Sweet

PS43  Scared (Number) Senseless? Tips for Calming Students in Online Courses (DL, IS)
Tami Tacker, Lea Rosenberry

PS44  Designing a Flexible Remediation Model (CR, D, PA)
Krishna Thapa Magar

PS45  Online Discussions in the Face-to-Face Classroom (G, IS, CR)
Jonathan Tyler

PS46  Interactive College Algebra in a Flipped Classroom (MI, CR, IS)
Marcia Vergo, Thankam Samuel

PS47  Growth vs. Fixed Mindset in Liberal Arts Mathematics (GE, IS)
Elizabeth Weaver

PS48  Flipping the Precalculus Classroom (IS, MI, CR)
James Wenson
Saturday, November 11

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
Jane D. Tanner, AMATYC President

Speaker: Jim Matthews
Key Components for Any Math Course:
Newspapers, Trains, and Lockers

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

Saturday 10:45 am - 11:35 am

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Evan Evans, April Ström, Chris L. Yuen
S121 Prime Time Excitement! Creating and Implementing an ORM Course (CR, G, DI)
Wendy Carden
S122 Flip + Tutoring + Facebook = Success (IS, D, MI)
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S125 Rethinking Placement and Remediation to Maximize Success and Equity (D, PA, CR)
Myra Snell
S126 A Spiritual Side to Mathematics? (GE, G, HI)
Pat McKeague
S127 Using Assessment to Motivate Learning Statistical Reasoning Concepts (PA, ST, GE)
Christine Franklin, Tim Jacobbe
S128 Creating Accessible Digital Course Content (IS, IT, R)
Sonia Ford, Kyle Kundomal, Lori Thomas
S129 Prime Problems Facing Adjuncts Today (DI, G)
Judy King
S130 A Primitive Pythagorean Triple (H, MI, G)
Eric Hutchinson, Aminul KM

Saturday 10:45 am - 12:45 pm

Symposium: The Scholarship of Teaching and Learning in College Mathematics
Y3 Moving from Reflective Teaching to Classroom Inquiry (R, IS)
John T. Smith, Megan Breit-Goodwin

Committee Meeting
2018 Conference Meeting Planning

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S131 Learning to Learn in Developmental Mathematics (D, CR, IS)
Wade Ellis, Dan Apple
S132 So You Want to Build a Data Science Program (CR, ST, IT)
Mary E. Rudis
S133 AMATYC IMPACT: Understanding ProwESS – The Battle for Student Success (G, IS)
Julie Phelps, Karen Gaines
S134 All-Google, All-Mobile, All-For-Education (IT, DL)
Kirsten K. Meymaris, Lea Rosenberry, Leslie Johnson, Carol Hannahs
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Don Ransford
S136 Teaching Calculus in the Twenty-First Century (MI, IS, R)
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S137 Forty-Five Years of Dev Math in Fifty Minutes (D, G)
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Allan Rossman, Beth Chance
S139 Creating Islamic Art with Euclidean Geometry (TP, GE, GC)
Laura VanDeKop
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Richelle (Rikki) Blair
S141 Training and Supporting Adjunct Faculty in a QR Scale-Up (DI, TP, CR)
Aaron Altose

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S142 Weave a Web: Soft Skills Taught in a Precalculus Corequisite Course (IS, D, MI)
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Saturday, November 11

S144 Blending Randomization-Based Approaches and the Central Limit Theorem (ST, CR, IT)
Matthew Rogala, Helen Burn

S145 Making Transformations of Functions (IS, G)
Matthew T. Michaelson

S146 Intermediate MyOpenMath (IT, CR)
Roy Shahbazian, Krystal Meier, Dahlia Vu, Ben Hager

S147 Developing Writing Skills of Calculus Students (MI, IS)
Mariko Shimizu

S148 Flipping Your Algebra and Statistics Classrooms (IS, D, ST)
George Woodbury

S149 Unthinkable, Mind Blowing Projects in Statistics (ST, GC)
George Woodbury

S150 Preparing Mathematics Teachers: AMTE’s New Standards (TP, IS, R)
Randolph Philipp, Raymond LaRochelle

S151 The Use of Peer Role Models to Improve Student Outcomes in Mathematics (G, IS, R)
Katie Bjorkman

S152 Using Elementary Calculus to Reveal Properties of Black Holes (MI, G)
Marc Frodyma

Saturday 1:05 pm - 3:05 pm

W01 Prime Time for Coding: Using a Research Tool to Reflect on Teaching (R, TP, G)
Laura Watkins, Patrick Kimani, April Ström, Irene Duranczyk

Saturday 2:15 pm - 3:05 pm

S153 Discussing Rigor When Redesigning Introductory Mathematics Courses (CR, D, MI)
Rebecca Hartzler, Terese Rainwater, Frank Savina

S154 Exploring the Cubic Formula (MI, H)
Mark Omodt, Bruce Bordwell

S155 Math Tutoring Lab: Past, Present, Future (DI, D)
Samuel Adam McDonald, Prudence York-Hammons

S156 Professional Development at Scale in the SUNY Math Pathways Network (IS, D, TP)
Mary Crawford-Mohat, Andre Freeman, Ann Edwards

S157 Comparison of K-12 Math in the U.S. & Other Regions with Potential Impact (GC, R, TP)
Chris L. Yuen, Shane Tang, Myrta Groeneveld, Oiyin Pauline Chow

S158 Integrating Projects in Liberal Arts Math Courses (GE, IS)
Rebecca Wulf, Kristin Oakes

S159 Analogies, Rhymes, and Jingles, Oh My! (IS, G)
Tom Carson

S160 Halving Your Cake (G, GE)
Deanna Haunsperger

S161 Got Grades! (PA, D)
Janet Teeguarden, Donald Vondrak

S162 Visual Approach to Word Problems (IS, D, TP)
Gigi Drent

S163 Linear Functions: New Models for New Times (D, GE, G)
Stefan Baratto, Carol Hannahs

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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 11, 2017. If you are a delegate and have difficulty accessing the packet, contact your regional vice president.

12
Sunday, November 12

**Sunday 8:15 am – 9:05 am**

S164  The Harmonic Series for Every Occasion (MI, G)
Steve Kifowit

S165  Math Boot Camp - Spend Two Weeks in January and Save a Semester! (D, IS, CR)
Andrea Ronaldi, Joshua Grosek, Joseph Bowling

S166  Small Changes Make Big Impacts (IS, G, D)
Brenda Gardner, Mony Kennedy

S167  The Caliri Circles (CR, IS, R)
David Caliri

**Sunday 9:25 am – 10:15 am**

S168  Getting Jiggy with Basic Skills (D, IS)
Anne Gloag, Cheryl Vallejo, Becky Stephens, Melissa Wolfson

S169  Math in Prime Time – The Dark History of Mathematics (H)
Lisa Feinman

S170  Teaching Data Ethics in the Introductory Statistics Classroom (ST, R)
Sabrina Ripp

S171  Quadratic Models in Multiple Representations (IS)
Patrick Kimani

**Sunday 10:30 am – 11:15 am**

**Closing Session**
Jane D. Tanner, AMATYC President

+ Conference wrap-up
+ Report on Delegate Assembly actions
+ Opportunities to get more involved in AMATYC
+ Preview of next year's conference in Orlando
+ Passing the gavel
+ Adjournment
Remember the Past, Invest in the Future

Honor and thank outgoing AMATYC leaders with a donation to the Foundation and
Congratulate Project ACCCESS graduate Jessica Bernards as she is awarded the second annual Leila & Simon Peskoff Award in San Diego at the Opening Session.

Check the October issue of the AMATYC News for details and fundraising events during the conference in San Diego.
American Mathematical Association of Two-Year Colleges
43rd Annual Conference • Register online at www.amatyc.org

If registering using the Institutional Membership, do not use this form. A special form has 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” (S007). 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 excluded from the attendee list provided to vendors.

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.

Name______________________________

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 this phone is a cell phone.

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Emergency Contact______________________________

Phone(______)

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<table>
<thead>
<tr>
<th>Registration Method</th>
<th>Discount Registration</th>
<th>Regular Registration</th>
<th>On-Site Registration</th>
</tr>
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<tbody>
<tr>
<td>MAIL (3 pages) using check or credit card</td>
<td>Registration AND payment must be postmarked BY September 30, 2017.</td>
<td>Registration AND payment postmarked AFTER September 30, 2017.</td>
<td>Registrations sent by mail must be postmarked by October 10, 2017. After this date it will be necessary for attendee to bring form and payment with them and register on-site.</td>
</tr>
<tr>
<td>ONLINE using a credit card</td>
<td>Registration AND credit card information must be completed BY October 7, 2017.</td>
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<td></td>
</tr>
<tr>
<td>FAX (3 pages) to 901.333.5651 using a credit card</td>
<td>Registration AND credit card information must be completed BY October 7, 2017.</td>
<td>Registration AND credit card information completed AFTER October 7, 2017.</td>
<td>Please do not fax form and credit card information after October 18, 2017. It will be necessary for attendee to bring form and payment with them and register on-site.</td>
</tr>
<tr>
<td>IN PERSON using cash, check, or credit card</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Register in person on-site and pay regular rate.</td>
</tr>
</tbody>
</table>

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 25, 2017. A 50% refund less a $25 service fee will be given if your written request is postmarked on or after October 26, 2017, and by November 8, 2017. NO refunds will be given for requests postmarked on or after November 9, 2017. 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, 2017. All requests should be sent to the AMATYC Office. Refunds for registration fees will be processed four to six 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 11/12/17 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 registra-
tion 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>$88</td>
</tr>
<tr>
<td></td>
<td>Individual Membership - Two years</td>
<td>$171</td>
</tr>
<tr>
<td></td>
<td>Individual Membership - Three years</td>
<td>$249</td>
</tr>
<tr>
<td></td>
<td>Individual Membership - Lifetime</td>
<td>$1,760</td>
</tr>
<tr>
<td></td>
<td>Adjunct Membership</td>
<td>$44</td>
</tr>
<tr>
<td></td>
<td>Retired Membership</td>
<td>$44</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.

SUBTOTAL A ________

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 registra-
tion 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 (Postmark by Sept. 30 or via Web or Fax by Oct. 7)</th>
<th>Regular Registration (Postmark after Sept. 30 or via Web or Fax after Oct. 7)</th>
</tr>
</thead>
<tbody>
<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 LAPPED Member, not renewing at this time</td>
<td>Select meals on p. 17</td>
<td>$473</td>
<td>$513</td>
</tr>
<tr>
<td>D</td>
<td>Registration, Current AMATYC Member, SINGLE-DAY³ Attendee</td>
<td>○Thu ○Fri ○Weekend NO meals included</td>
<td>$135</td>
<td>$175</td>
</tr>
<tr>
<td>E</td>
<td>Registration, NON-Member³ or LAPPED, SINGLE-DAY² Attendee</td>
<td>○Thu ○Fri ○Weekend NO meals included</td>
<td>$160</td>
<td>$200</td>
</tr>
<tr>
<td>F</td>
<td>RETIREE⁴ Registration, Current AMATYC Member</td>
<td>NO meals included</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>
</tbody>
</table>

STUDENT Registration: Please contact the AMATYC Office for more information regarding member-sponsored student registration rates.

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.

Continue to next page ➔
C. FOOD EVENTS
(Non-Vegetarian includes a meat serving; Vegetarian is a non-meat meal)
Regional Meetings & Continental Breakfast — Registrant* (full conference or adjunct) Fri., Nov. 10 7:45 am – 8:15 am Included
Select one: ☐ Non-vegetarian ☐ Vegetarian

Awards Breakfast — Registrant* (full conference or adjunct) Sat., Nov. 11 7:45 am – 8:15 am Included
Select one: ☐ Non-vegetarian ☐ Vegetarian

Regional Meetings & Continental Breakfast — Guest of Registrant, Single-Day Registrant, or Retiree Registrant Fri., Nov. 10 7:45 am – 8:15 am tkts. @ $50/ea. $_____
Select quantity: _____Non-vegetarian _____Vegetarian

Awards Breakfast — Guest of Registrant, Single-Day Registrant, or Retiree Registrant Sat., Nov. 11 7:45 am – 8:15 am tkts. @ $46/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.

SUBTOTAL C ____________

D. DONATION to the AMATYC Foundation
Please consider making a donation to the AMATYC Foundation. Anyone making a donation from January 2017 through 8:00 am, Saturday, November 11, 2017, or with the conference registration, is eligible to enter the drawings for a complimentary discount member conference registration for Orlando (or a three-year membership), a two-year membership, and a one-year membership. Bring your conference receipt to the registration desk for assistance.

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

*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, $360 discount

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_________________________________________________

Credit Card Number____________________________________________

Expiration Date_________________________

Signature_________________________________________

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

☐ Wednesday, November 8 ☐ Thursday, November 9 ☐ Friday, November 10 ☐ Saturday, November 11

+ + 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.)
Make your reservations at the conference hotel:  
Sheraton San Diego Hotel & Marina

American Mathematical Association of Two-Year Colleges (AMATYC)  
November 9–12, 2017

Name: ____________________________
Address: ____________________________
City __________________ State _______ Zip _______
Telephone(______) ____________________

College/Company: ____________________________
Names of Persons Sharing Room: ____________________________

Arrival Date: ___________ Time: ___________ Departure Date: ___________

Please make your hotel reservation online, by phone, or by mail:

Online: www.starwoodmeeting.com/Book/AMATYC/3rdAnnualConference

Phone: 877.734.2726 (mention AMATYC Conference)

Address: Sheraton San Diego Hotel & Marina
1380 Harbor Island Drive
San Diego, CA 92101

Note: The Sheraton requests that reservations be made via the web.

Reservations received after October 13, 2017, or once room block has been filled, will be confirmed on rate and space available basis. Check-out time is 12:00 pm (noon). Check-in time is 3:00 pm. Luggage storage is available. If you are running late on your arrival time, please call the hotel to advise the front desk. Call hotel for suite availability.

Credit Card No. __________________ Exp. Date __________

Signature ____________________________

☐ American Express ☐ MasterCard ☐ Visa
☐ Diners Club

Accommodations Requested:

Number of People: ☐ 1 ☐ 2 ☐ 3 ☐ 4

Room Type: ☐ King ☐ 2 Beds

(Room type requests are noted, but not guaranteed.)

Room Rates:

Single/Double: $184* plus applicable tax $ _______

Additional Person: $ 20 plus applicable tax $ _______

Children under 18 stay for free in their parent's room.

Total $ _______

*Room rates are quoted exclusive of applicable state, local, and occupancy taxes that are currently 12.7% (subject to change).

Hotel Deposit: All reservation requests will require one night's deposit plus tax to hold the reservation. A valid American Express, Visa, MasterCard, or Diners Card card number and expiration date are acceptable. Should a guest cancel a reservation, the deposit will be refunded if notice is received at least 30 days prior to the reservation's check-in, 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.

On-site Conference Registration
Sheraton San Diego Hotel & Marina
AMATYC Registration Desk — Nautilus Foyer (Marina Tower)

Wednesday, November 8 .................................4:00 pm - 8:00 pm
Thursday, November 9 .....................................7:00 am - 6:00 pm
Friday, November 10 ........................................7:00 am - 4:00 pm
Saturday, November 11 .................................7:00 am - 8:00 am
Saturday, November 11 .................................10:00 am - Noon

18
3. Turn left and walk down to area marked

4. Destination will be on the right – Arrive at

2. Turn right onto N Harbor Dr.

are walking directions for your convenience:

1. After collecting your luggage, follow the “Ground Transportation” signage.
2. Walk across the sky bridge.
3. Take the escalator down to the ground level.
4. Turn right.
5. Cross the taxi/van concrete islands.
6. Walk to 3rd island, marked “Courtesy Vehicles.”
7. Wait at any open spot on the curb.

Terminal 2
1. After collecting your luggage, walk across the street (toward Taxi/Hotel/Rental Car Shuttles).
2. Walk to the 3rd island (courtesy shuttles/car rental shuttles).
3. Turn left and walk down to area marked ‘Courtesy Shuttles’.

If you choose to walk to the hotel, below are walking directions for your convenience:
1. Head southeast on Airport Terminal Rd toward Air Ln.
2. Turn right onto N Harbor Dr.
3. Turn left onto Harbor Island Dr.
4. Destination will be on the right - Arrive at Sheraton San Diego Hotel & Marina

If you are staying at the Hilton San Diego Airport/Harbor Island enjoy the complimentary shuttle to and from the airport on demand from 4:30 am to midnight! Pick up your luggage and proceed to shuttle location (directions above). Then simply contact the hotel front desk (619.291.6700) to coordinate your pick-up time from the airport. Please note what airport terminal you will be flying into and the shuttle will be there within 15 minutes to whisk you away to the hotel. Planning ahead? Call the front desk prior to your arrival to arrange a time that works for you!

Getting Around San Diego
How to get from adventure to adventure

The conference hotel is on Harbor Island which is a two-mile-long man-made peninsula along San Diego Harbor. This is a great way to get in your morning, afternoon or evening walk.

Wandering downtown San Diego is an easy and fun adventure. The conference hotel is 2 miles to the Maritime Museum, 3 miles from Seaport Village, and 4 miles from the Gaslamp District. For those of you not up for walking that distance, you can easily catch an Uber, Lyft, or taxi to these areas and walk to dozens of restaurants, shopping, multiple cultural attractions, and much, much more.

San Diego is known for its active lifestyle, and if walking slows you down, there are plenty of pedicabs downtown to take you around.

In addition, the San Diego Trolley runs a circle around downtown San Diego and can easily get you to Old Town. The buses run regularly and will get you anywhere you want to go. Need more information? Call the Metropolitan Transit System at 619.233.3004 for information and trip planning.

Want to walk and explore the beaches? Get a ride to one of the beaches using Uber, Lyft, or a taxi. Then walk the long stretches of sand; rent a bicycle or roller blades to get down the boardwalk; rent a surfboard or boogie board to try out the waves; or try the many restaurants along the beaches.

Conference Housing
The 43rd Annual AMATYC Conference begins on Thursday, November 9, 2017, at the headquarters hotel, the Sheraton San Diego Hotel & Marina, located at 1380 Harbor Island Drive, San Diego, CA 92101.

A block of guest rooms at reduced rates has been reserved at the Sheraton San Diego Hotel & Marina until October 13, 2017, 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 link on the AMATYC website, the link on the previous page, or by calling the hotel at the number on the previous page.

A deposit equal to one night’s stay is required to hold each individual’s reservation. A valid American Express, Visa, MasterCard, Diners Card number and expiration date or a guarantee to the master account are acceptable. Should a guest cancel a reservation, the deposit will be refunded if notice is received at least 30 days prior to the reservation’s check-in, 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 cancelled. Name changes to room reservations may be made up to arrival at no additional charge, if there is no change to the arrival and departure dates.

An early departure fee of one night’s room plus tax will apply if an attendee checks out prior to the confirmed checkout date. You will be informed of this policy at check-in and can change your respective check-out date at the time of check-in, without charge.

A block of rooms has also been reserved at the San Diego Hilton Harbor Island, a short 10-minute walk from the Sheraton along the harbor. Reservations can be made at the link on the AMATYC website or by phone at 1.800.HILTONS (mention AMATYC Conference). As with the Sheraton, the rooms are available at the conference rate until October 13, 2017, or until sold out. Likewise, to obtain a refund of a deposit if the reservation is cancelled, the reservation must be cancelled at least 30 days prior to the reservation check-in date.

Both hotels are located on the scenic waterfront of Harbor Island just minutes from downtown San Diego and a variety of restaurants and attractions. Harbor Island is a...
man-made peninsula only two miles long and a couple of hundred yards wide. It is home to several view-centric restaurants. A shoreline path with an ocean breeze makes it a beautiful location for a walk or jog while enjoying the panoramic views of the San Diego skyline.

**Parking**

Parking is available with rates of $32 for self-parking per day, and $37 for overnight valet parking. There is a large lot across the street from the conference hotel that charges $5 per 12 hours and $10 per 24 hours. In addition, you can park along Harbor Island Drive, but most of this has a two-hour limit or is metered parking.

**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.amatyc.org, or by clicking on the “Roommate Request Form” link found on that page no later than October 1, 2017. 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@cccsm.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 already have one, even if one of the roommates may have to process a cancellation. Also, when making a reservation with one or more roommates, be sure to provide the hotel with the names 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 continental breakfast and regional meetings and the traditional Saturday morning breakfast.

To qualify for the discount registration rates of $360 member and $473 non-member, **registration forms must be postmarked, if submitted via mail, on or before September 30, 2017. If submitted via the web or faxed, the completed registration form must be received on or before October 7, 2017.** After these dates, registration will continue at the regular registration rate of $400 (member) and $513 (non-member). Registrations sent by mail must be postmarked on or before October 10, 2017, 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 $513 non-member). See the back cover of this miniprogram for the days and times the registration booth will be open.

Every registration form postmarked by October 10, 2017 or faxed by October 18, 2017 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. 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.**

**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 breakfast either Friday or 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 25, 2017. A 50% refund less a $25 service fee will be given if the written request is postmarked on or after October 26, 2017, and by November 22, 2017. No refunds for non-attendance will be given for requests postmarked on November 9, 2017, or later. Requests for return of overpayments must be in writing and received by the AMATYC Office no later than December 15, 2017. All requests should be sent to the AMATYC Office. Refunds for registration fees will be processed approximately four to six 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 Continental Breakfast or Saturday Awards Breakfast. Special function tickets may be purchased for your guests.

Policy Related to Guests of Attendees at AMATYC Events

General Policy

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

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

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

Any guest should never prevent access to a session for a professional attendee – particularly, in a case of limited seating availability, materials for in-room child care for guests. Call the hotel as early as possible for service. Arrangements represent a contractual agreement between the individual and the child-care provider. AMATYC assumes no responsibility for the services rendered.

AMATYC-Supplied Computer and Internet Access at AMATYC Events

Guests may only use equipment where permitted by the event officials in charge of that equipment and where such use does not hinder access to the equipment by professional registrants. In addition, guests who are minors may have Internet access only if they are under the immediate and direct supervision of a parent or guardian.

ADA Accommodations/Dietary Restrictions

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, 2017, 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 San Diego.

Special Events

Thursday and Friday

Chat & Chew

Start the conference at 8:00 am Thursday. Bring your coffee to the inaugural table talk session and receive a complimentary pastry 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 “Active Learning in the Non-STEM Classroom,” “Women’s March to STEM Equity,” and “Motivating 21st Century Learners” to highlight just a few. Find the complete list of topics and facilitators on page 3.

Camps & Clubs Showcase

San Diego will be the site of another first for AMATYC. Thursday at 1:50 pm, stop by the Impromptu Room in Marina 2 to see what your colleagues have been doing with math clubs or camps for their own students or those in the community. Talk with one or several groups to hear about what they have done and get ideas for your own camp or club. Find the list of presenters on page 5.

Thursday

AMATYC 101

At 9:10 am on Thursday, Liz Hylton (Northwest Region VP) and Dan Fahringer (Mid-Atlantic Region VP) will provide an overview of the association, followed by the opportunity for questions from first-time attendees, new affiliate presidents, or any other person interested in learning more about the organization. Tips for getting the most out of your AMATYC Conference will also be shared, including how to get the most benefit from the conference app.

Themed Sessions

Thursday morning, there will be two themed sessions in which six different speakers have 15 minutes to share their ideas.

The Statistics Committee’s themed session, “Data Science and the Introductory Statistics Course,” will share sources of real data, methods of data cleaning, and graphical methods for visualizing data. Learn about the ASA DataFest student competition and a program that prepares students to work in the field of data science.

The Teacher Prep Committee will host “Engaging Future Teachers with Concepts of Rational Numbers.” Talks will address pre-service teachers’ concepts of proportionality, fractions in musical rhythms, and a trip back in time to learn about Egyptian fractions.

AMATYC IMPACT

IMPACT (Improving Mathematical PROWESS And College Teaching) is the new follow-up document to the AMATYC’s signature documents Crossroads in Mathematics and Beyond Crossroads. Attend four sessions, two on Friday and two on Saturday, to learn about each area making up PROWESS: Profiency, Ownership, Engagement, and Student Success.
Grants Information
Thursday at 12:40 pm, Ron Buckmire, with colleagues from the National Science Foundation (NSF), will describe NSF grant programs of interest to community colleges, provide suggestions for submitting proposals, and talk about what NSF looks for in successful proposals. Take advantage of these experts to answer your questions about grants.

Affiliate Sharing Session
All current and future affiliate leaders can network, ask questions, share ideas, and learn from each other during this session Thursday afternoon. Leaders will be Luke Walsh, NCATYC affiliate president, and Alvina J. Atkinson, GMATYC affiliate president. Topics for discussion include 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. Seize this prime opportunity to brag about your affiliate!

AMATYC Forums
Five forums will be held Thursday evening. 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. To gain more information on the Beyond Crossroads revision project, plan to attend the four IMPACT sessions.

Initial Hearing: The Science of Learning
sponsored by the Developmental Mathematics Committee (DMC)
Moderator: Paula Wilhite, DMC Chair 7:00 pm – 7:30 pm

Learning is an active, contextualized process of building concepts. The goal of this proposed position statement is to validate standard practices that maximize the opportunity for every learner to improve his/her ability to learn regardless of current level of achievement.

Initial Hearing: Working Conditions of Adjunct Faculty
sponsored by the Adjunct Faculty Issues (AFI) ANet
Moderator: Judy King, AFI ANet Leader 7:00 pm – 7:30 pm

This forum seeks input from AMATYC members regarding the expectations of colleges employing adjunct mathematics faculty. We’ll review the tools and resources these faculty require to meet an institution’s goal in achieving student success and the college’s expectations of the faculty themselves.

Initial Hearing: Student Learning Problems
sponsored by the Developmental Mathematics Committee (DMC)
Moderator: Paula Wilhite, DMC Chair 7:30 pm – 8:00 pm

This proposed position statement has the goal of maximizing students’ successful attainment of skills critical to expand career options and to promote good citizenship. To consider for endorsement are standard practices to achieve enhanced basic mathematics skills, greater self-efficacy, improved self-regulated learning, and increased persistence.

Second Hearing: Mathematics for Students in Two-Year Terminal Programs
sponsored by the Mathematics and Its Applications for Careers Committee (MAC)
Moderators: Ernie Danforth, NE Regional VP Stefan Baratto, MAC Committee Chair 7:30 pm – 8:00 pm
Mathematics courses specifically designed to meet the requirements for a terminal two-year degree should possess certain attributes.
• Content should emphasize occupational skills directly related to the needs of students entering the workforce but be above the Foundation level (as defined by Crossroads).
• Mathematics and discipline-specific faculty members should both play a direct role in determining the curricula of such courses.
• As much as possible, the math needs of students should be met through projects and authentic applied problems.
• Courses should preserve mathematical integrity and promote critical thinking, logic, communication, and higher-order thinking skills.

AMATYC IMPACT: Improving Mathematical Prowess and College Teaching
Moderators: Mary Beth Orange and Nancy Sattler, Co-Chairs 8:00 pm – 8:30 pm
The third AMATYC standards document, AMATYC IMPACT, expands the existing standards. The original standards, presented in Crossroads in Mathematics and Beyond Crossroads, are just as relevant today as when they were developed. The goal of AMATYC IMPACT is to improve mathematics education in the first two years of college by presenting clear guidance of how to IMPACT the mathematical prowess of students. This guidance is meant to inspire faculty, departments, institutions, and policymakers to examine, assess, and take action to improve every component of mathematics education in the first two years of college. The document will be voted on for approval at the Saturday afternoon Delegate Assembly. This open forum is an opportunity to discuss the document before the vote.

The Research in Mathematics Education for Two-Year Colleges
Thursday evening at 7:00 pm, join the Research in Mathematics Education for Two-Year Colleges Committee for talks focused on research related to topics of relevance to two-year faculty. The event will begin with a 50-minute keynote address, “A Case Study of Departmental Change,” by Chris Rasmussen of San Diego State University. His talk will be followed by a series of 30-minute breakout talks.

Friday
Regional Meetings & Continental Breakfast
Get to know the people and activities in your region, and interact with your regional vice president on Friday at 7:45 am while enjoying a continental breakfast. Be sure to bring your ticket for the breakfast.

At the Regional Meeting, you can network with colleagues from colleges and AMATYC affiliates in your region while providing input on AMATYC matters. Take advantage of this opportunity to express your views to your state and affiliate delegates regarding Delegate Assembly issues. Your attendance at the meeting of your region is strongly encouraged.

Symposium: The Scholarship of Teaching and Learning (SoTL) in College Mathematics
The Research in Mathematics Education for Two-Year Colleges Committee is sponsoring this event beginning with a talk about.

Trolley at the 12th St. Station/Courtesy of Joanne DiBona and www.SanDiego.org
Third National Developmental Math Summit: Looking Back, Moving Forward

On Friday at 1:45 pm, participants have the opportunity to dialogue, discuss, engage, and question national leaders in the field of developmental mathematics education. The experts representing multiple professional organizations and roles in community colleges will discuss outcomes from the National Developmental Math Summit 2016 and share preparations for the National Developmental Math Summit 2018 in Orlando.

Poster Session: “It’s a Prime Time for Posters”

Come meet with colleagues who are sharing their exciting ideas or reporting on their latest research projects in this year’s poster session on Friday afternoon from 1:45 pm - 3:45 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.

Faculty Math League Competition

Participate in the 14th Annual Faculty Math League (FML) contest Friday, 2:55 pm - 3:45 pm. 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.

Academic Committee and ANet Meetings

AMATYC’s academic committees include Developmental Mathematics, 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.

San Diego will be the second conference appearance of the ANets (AMATYC Networks), 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 4:00 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.

Saturday Delegate Assembly

The Delegate Assembly will be held on 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 on October 11, 2017. 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.

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!

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 9:15 am to 10:15 am immediately after the Regional Continental Breakfast and Meetings. On Saturday the exhibitors will be featured from 10:00 am to 10:45 am. These dedicated times will allow you to visit the exhibits without missing sessions. Exhibitors are eager to meet you, discuss your needs, and demonstrate products and services that can provide you with solutions to your classroom needs.

Commercial Presentations

Several AMATYC exhibitors will conduct commercial presentations to highlight their products and services and train users of these products. These presentations will be located in regular session rooms during the conference. Titles, descriptions, and presenters will be included in the conference program. 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

Everyone loves the weather in San Diego! November is the sunniest month of the year with an average high temperature of 69 degrees and an average low of 54 degrees. The sunny days will often feel very warm, but the evenings cool off fast and you will want a jacket. Layers are a must in San Diego.
Restaurants

You'll have no shortage of dining options in San Diego. On Harbor Island and a short walk from the hotel is The Boat House with fresh seafood; C Level Island Prime which has a little bit of everything from steaks to seafood; and Coastera with a modern Mexican cuisine. In the downtown San Diego Gaslamp District, you will find more restaurants than you can imagine. Some of our favorites include The Fish Market; The Field; The Strip Club (yes, it's a restaurant); Hodads; and the Kebab Shop.

In Old Town you can enjoy Rockin’ Baja Coastline Cantina; Old Town Public; Old Town Mexican Café; Jack & Giulio’s Italian Restaurant; and Casa Guadalajara just to name a few.

Visit Little Italy, Hillcrest, or the University Heights area just a short distance from the hotel and downtown Gaslamp District. In addition, there are other great restaurants just a short Uber or Lyft ride from the hotel.

Whatever your tastes and budget, you will find it in San Diego. Be sure to check in the Hospitality Room for other ideas from the local committee and possible dinner outings.

Cultural Events and Day Outings

San Diego is a city of many adventures; mostly outdoor. Whether visiting the Gaslamp District, Old Town, Del Mar, La Jolla, or the beaches you will never be bored or lack in finding something to do.

Near the hotel, you can take one of many Harbor Cruises, including the San Diego SEAL (Sea and Land) Tour...which we call the “bus-boat” because it not only drives on land but goes into the water and becomes a boat. You will also find the Maritime Museum and USS Midway (an aircraft carrier).

Walk through Balboa Park and visit one of the many amazing museums. Some of our favorites are Fleet Science Center, Natural History Museum, Museum of Art, Air & Space Museum, and the Museum of Man. The World Famous San Diego Zoo is an absolute must visit if you have never been. In addition, you can catch a show at the Old Globe Theater.

Old Town San Diego, where San Diego was born, is another great place to walk around. There you will find many historic sites including the McCoy House, Casa de Estudillo, First Brick Courthouse, and a schoolhouse. Walk through the Presidio Park where the San Diego Presidio was located, and visit the Junipero Serra Museum. This is also where you can catch the Old Town Trolley Tour which has stops all over the city, including to Coronado, where you can get off and on the trolley all day for a complete city tour.

Did you bring the family? Plan a visit to Sea World, the San Diego Zoo, San Diego Zoo Safari Park, Legoland, Belmont Park, or take a daytrip to Disneyland and California Adventure which is only a 90-minute drive.

Don’t forget the many beaches in San Diego where you can walk the boardwalk, try some surfing or boogie boarding, or just sit in the sand and soak up the sun. There is Ocean Beach, South Mission Beach, Mission Beach, Pacific Beach, La Jolla Shores, Torrey Pines State Park, and Coronado.

Speaking of Coronado, there are amazing restaurants and shopping along Orange Ave. And don’t forget to visit the Hotel del Coronado; the history of that place will astound you.

Walking through La Jolla and Del Mar will amaze you, where there are tons of shopping and great restaurants.

Some of the places the locals really enjoy are the Point Loma tide pools and lighthouse, La Jolla Children’s Pool, San Diego Mission de Alcala, and a walk through Sunset Cliffs or along the beach in Coronado.

Email/Communications

Complimentary WiFi is available in each guest room booked within the AMATYC block at the Sheraton or Hilton. 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. The entire hotel lobby and public areas are equipped with free wireless access and complimentary WiFi, PC workstations, and a printer are available in The Link.

Professional Networking/ Hospitality Room

Please join us in the Hospitality Room located in Marina 6 which has a patio and overlooks San Diego Bay. This will be a great place to visit current and former colleagues, meet new friends, explore new adventures with your San Diego hosts, and grab a few munchies! In addition, this year the Local Events Committee will be putting on some Wellness Activities. These will include walks along the bay, yoga or dance classes, lawn games, and many more fun activities. The members of the Local Events Committee hope you take advantage of all that San Diego has to offer, and we are here to help you find that perfect restaurant or entertainment venue you are looking for. Let us help you have a prime time while visiting America’s Finest City!

Professional Networking/ Hospitality Room Hours

Wednesday 4:00 pm – 7:00 pm
Thursday 9:00 am – 5:00 pm
Friday 10:00 am – 5:00 pm
Saturday 11:00 am – 5:00 pm

Orlando 2018

Program proposals to present in Orlando can be submitted at the AMATYC website, www.amatyc.org, beginning November 1, 2017. 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 Orlando is February 1, 2018.
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.

**McGraw-Hill Education**

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Day</th>
<th>Time</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C8</td>
<td>Math Placement Success: Evaluating the Data of Multiple Measurers</td>
<td>Friday</td>
<td>10:00-11:15</td>
<td>John Hansen</td>
</tr>
</tbody>
</table>

Iowa Central CC has experience using a variety of measures for placing students into math courses. John Hansen, Department Coordinator, will share their placement story, the methods they explored, and the results that helped them choose ALEKS Placement, Preparation, and Learning (ALEKS PPL) for their math placement program.

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<tr>
<td>C15</td>
<td>A Journey Through the Implementation of a Corequisite Course</td>
<td>Friday</td>
<td>2:45-4:00</td>
<td>Andrea Hendricks</td>
</tr>
</tbody>
</table>

The corequisite model is emerging across the nation. Come learn how one school, in their third year of corequisite courses, designed and implemented their Corequisite College Algebra course. Tools and resources, tips for success, and pitfalls will be shared.

**Pearson Education**

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<tr>
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</thead>
<tbody>
<tr>
<td>C1</td>
<td>MyLab Math &amp; MyLab Statistics: Skill Builder &amp; Companion Study Plan Assignments</td>
<td>Thursday</td>
<td>11:20-12:35</td>
<td>Diane Hollister</td>
</tr>
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</table>

Modify your courses to include personalized learning tools; personalizing assignments results in individualized question sets to help students focus on difficult areas. Examine features of Skill Builder and Companion Study Plan Assignments to address students’ skill needs. **Pearson Efficacy Implementation is authorized by IACET to offer CEUs for this program.**

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</thead>
<tbody>
<tr>
<td>C4</td>
<td>Increase Student Engagement and Learning with Learning Catalytics</td>
<td>Thursday</td>
<td>1:40-2:55</td>
<td>George Woodbury, Diane Hollister</td>
</tr>
</tbody>
</table>

Want to increase student engagement and learning? Learning Catalytics is a powerful tool for your class use whether you teach “traditional,” flipped, or online classes! Experience the student view, learn tips for implementation, search existing questions, and create your own using this exciting resource for both MyLab and non-MyLab users!

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</thead>
<tbody>
<tr>
<td>C9</td>
<td>Flipping the Classroom with MyLab Statistics Interactive</td>
<td>Friday</td>
<td>10:00-11:15</td>
<td>Michael Sullivan</td>
</tr>
</tbody>
</table>

In Introductory Statistics, finding new ways to get students into the material is more important than ever. Using classroom time to immerse students with resources like Interactive Statistics Learning Catalytics and StatCrunch, the presenter will share ways to encourage students to interact with material outside of the classroom.

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<tbody>
<tr>
<td>C12</td>
<td>Using Workspace to Unpack Students’ Math Errors and Promote Reasoning</td>
<td>Friday</td>
<td>12:25-1:40</td>
<td>Ruthmae Sears, Caree Pinder</td>
</tr>
</tbody>
</table>

Workspace can be used to provide insight into students’ mathematical thinking and misconceptions. This session will provide an overview of the features of Workspace and how it’s used at the University of Florida. Also see common errors students make when communicating mathematics in Workspace.

**Hawkes Learning** is conducting the following commercial presentations – (C7, Friday, 10:00 am - 11:15 am) and (C10, Friday, 12:25 pm - 1:40 pm). The titles and descriptions will be included in the conference program.
On-site Conference Registration

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Beverly Vance, Office Director
Christy Hunsucker, Accounting Director
Christine Shott, Publications Director
Linda Ragland, Technical Clerk

On-site Conference Registration

Nautilus Foyer (Marina Tower)

Wednesday, November 8 ....................................... 4:00 pm - 8:00 pm
Thursday, November 9 ......................................... 7:00 am - 6:00 pm
Friday, November 10 ........................................... 7:00 am - 4:00 pm
Saturday, November 11 ....................................... 7:00 am - 8:00 am
Saturday, November 11 ....................................... 10:00 am - Noon

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