American Mathematical Association of Two-Year Colleges

Register for the conference online at www.amatyc.org

44th AMATYC Annual Conference

Disney’s Coronado Springs Resort
1000 West Buena Vista Drive • Lake Buena Vista, FL 32830

Reservations: 407.939.4686
(mention AMATYC Conference)

Reservations Website: www.mydisneygroup.com/amatyc2018

November 15–18, 2018

Keynote and Breakfast Speakers

Billy Hix
Motlow State CC
Math Really Rocks!! An Astronomer’s Journey

Guadalupe Quintanilla
University of Houston
An Ongoing Challenge: Success in Education

Featured Speakers

Mark Shafer
Disney Decision Science & Integration
Facilitating an Analytics Transformation: The Disney Story

Jeffery Allbritten
Florida Southwestern State College
Mathematics Literacy in Higher Education: A Four Decade Review

Opening Doors Through Mathematics

Hosted by FTYCMA and the Southeast Region
Vision Statement

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

Mission Statement

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

Adopted by the Board on April 1, 2016

Core Values

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

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

Billy Hix
Math Really Rocks!!
An Astronomer’s Journey

Thursday, November 15
3:00 pm – 4:30 pm

Billy Hix is a serious amateur astronomer whose work with NASA, higher education, and the Space Foundation, gives him a unique perspective in teaching STEM to all. In Thursday’s Keynote Session of the 44th Annual AMATYC Conference, he will present an uplifting and inspirational talk focusing on members of the mathematics and space science community who break the stereotype that many have of the mathematics profession. Starting over 400 years ago to rock stars who fill arenas and colleagues who landed NASA’s rover Curiosity on Mars, you will learn that “math really rocks.”

As founder and director of the Motlow College Foundation STEM Outreach Program in Tennessee, Hix has been conducting STEM outreach in the local community since 1986. He is a product of rural public education in Tennessee and has never forgotten his roots. He serves as a Teacher Liaison for the Space Foundation in Colorado and worked for NASA as a Faculty Fellow researcher for a decade. Hix’s passion is teaching as evidenced by being named the Tennessee Science Teacher of the Year in 2012, receiving the Motlow College Teaching Excellence Award seven times, and being awarded the Master Outreach Award by the American Astronomical Society. In addition, he has filmed a number of PBS TV shows and has been featured in Reflector, the monthly magazine of The Astronomical League.

Hix’s drive for STEM outreach arose from his growing up in rural poverty and his desire to have someone visit his school at the time of the Apollo moon landings. He realized that many in the community did not value the potential of him or his fellow classmates. He promised his mother when he was in the 5th grade that someday he would find a way to speak to young people about the unlimited possibilities that can be found in STEM careers.

Professor Emeritus at Motlow College, Hix has been named a NASA Solar System Ambassador. During the 2016-2017 school year he visited over 130 schools to speak with 14,000 students and teachers. His objective is to inspire teachers, students, and their parents to become more science literate through the use of STEM activities and to recruit and train the next generation of teachers. Later this month he will be honored with the Las Cumbres National Outreach Award given by the American Astronomical Society.

Saturday Awards Breakfast Session

Guadalupe Quintanilla
An Ongoing Challenge: Success in Education

Saturday, November 17

Guadalupe Quintanilla was a happy little girl living with her grandparents in Mexico. She was smart and she loved learning. But when the family moved to the United States, something awful happened. Teachers in Texas decided Guadalupe was stupid. They told her she couldn’t succeed in school. For years, Guadalupe believed what the teachers had told her. But then her own children started going to school. Teachers said that they, too, were not smart enough to learn. Guadalupe knew the teachers were wrong. She knew her children would be successful.

The 2018 AMATYC Awards Breakfast Speaker, Guadalupe Quintanilla, shares her personal experiences from challenges she has faced in her close to fifty years as a professor at the University of Houston. It has been an extremely rewarding and at times frustrating academic road. One challenge that has been consistently present is motivating students to develop a love of learning. Once this love is accomplished, then there is the added challenge of how to keep this love burning throughout their lives. She will share steps to guide students toward success in education.

As an associate professor in the Department of Hispanic Studies at the University of Houston, Quintanilla has been a powerful influence in the Hispanic community where she has worked tirelessly to encourage students to attend a university. She has also, for many years, worked to raise funds for scholarships for students attending the University of Houston. She is a popular speaker for local and national conventions where she discusses topics ranging from literature to Spanish for the professions. Her story has inspired many to continue their education and to succeed.

Quintanilla received both a MA in Spanish and Latin American Literature and an EdD in Multicultural Bilingual, Curriculum and Instruction from the University of Houston. She is the co-author of several books including one that tells her personal story. Quintanilla has written a number of manuals for organizations such as police departments, fire departments, state agencies, and universities. Additionally she has authored numerous magazine articles and short stories.
Jeffery Allbritten

Mathematics Literacy in Higher Education: A Four Decade Review
Thursday, November 15, 1:50 pm – 2:40 pm

In this session, featured speaker Jeff Allbritten shares a review of the value and emphasis placed on analytical aptitude and proficiency from the perspective of an individual who has had the opportunity to journey from student to faculty to chair to dean to president in our American higher educational system.

Allbritten received a BS in Chemistry and an MS in Mathematics from Murray State University in 1984 and 1987, respectively. He received his Doctor of Arts in Chemistry from Middle Tennessee State University (MTSU) in 1991. He served as an associate professor of Mathematical Sciences at MTSU, receiving tenure in 1994. In addition, he served as the Associate Dean of the College of Basic & Applied Sciences at MTSU from 1995 to 1999. He served as the Interim Chair of the Department of Mathematical Sciences at MTSU from 1998 to 1999.

Allbritten has held numerous administrative posts including Dean of Liberal Arts at Florida State College at Jacksonville, Director of the Pines Center Campus of Broward College, Campus President at Edison State College, and finally two presidencies including Middle Georgia State University and Florida SouthWestern State College.

Mark Shafer

Facilitating an Analytics Transformation: The Disney Story
Friday, November 16, 9:10 am – 10:00 am

The country is in a global analytics arms race, where yesterday’s strategic advantage can quickly become tomorrow’s industry standard. To stay competitive, companies must continue to invest and evolve at an ever increasing rate.

In this presentation, Senior Vice President of Disney Decision Science & Integration, Mark Shafer, will discuss his 30+ year rags to riches analytical journey, including lessons learned from being on the receiving end of analytics at People Express Airlines to building a science-based analytical team at The Walt Disney Company.

During his 20+ years at Disney, Shafer led an analytical transformation, starting by implementing Walt Disney Worlds® first resort revenue management model to currently leading an internal consulting team of more than 150 employees responsible for supporting analytics across The Walt Disney Company, including Parks and Resorts, Media Networks (ABC, ESPN, Disney Channel, A&E Networks etc.), and Studio Entertainment (The Walt Disney Studios, Disney Theatrical).

Shafer has been a Disney cast member for 22 years. Prior to that he spent 12 years in the airline industry with People Express Airlines and Continental Airlines, holding positions in Domestic and International Pricing/Revenue Management.

SYMPOSIUM: IMPROVING MATHEMATICAL PROWESS AND COLLEGE TEACHING (IMPACT)

Learn how to make an IMPACT with ideas from IMPACT, AMATYC’s third standards document, at this symposium, cosponsored by the following committees: Mathematical Standards in the First Two Years of College, Research in Mathematics Education for Two-Year College, and Innovative Teaching and Learning.

Y1 What is IMPACT?
Friday, November 16
10:20 am - 11:10 am

IMPACT, AMATYC’s third standards document, is being showcased at this conference. Learn how this guide came about, fits with the other two documents, and how its contents can directly impact you, your students, state policies, and the teaching and learning of mathematics in the first two years of college. Presenter Ted Coe brings over 20 years of experience in education as high school teacher, community college professor and department chair, and currently as Director, Mathematics, for Achieve, an organization committed to seeing that every child graduates from high school ready to succeed in college or the career of their choice.

Y2 Energizing Students to Transform Themselves Through IMPACT
Friday, November 16
2:00 pm - 4:00 pm

Learn how to IMPACT your classroom! This hands-on workshop will present engaging activities reflective of the AMATYC IMPACT document. The participants will do the activities and then reflect on the lesson. The activities presented by Julie Phelps, Ted Coe, and Fred Feldon will reflect their experiences and research about engaging students in their own learning for better retention and success. Students should focus on applications of concepts to make connections to their own interests.

Y3 Make an IMPACT with Research-Based Strategies to Improve Learning
Saturday, November 17
10:45 am - 12:45 pm

Speakers will share strategies that support PReficiency, OWnership, Engagement, and Student Success (PROWESS) by using IMPACT to improve college teaching, develop proficiency, have departmental and institutional ownership of student support, engage students in mathematical thinking, and gain insight from students on their meaning of success. Each speaker will share his or her ideas in 15-minute segments followed by a summary Q&A time. See page 11 for a list of presentations and presenters.
Thursday, November 15

CONFERENCE PROGRAM

Following the title of each regular session and workshop you will find letter codes identifying the general categories that best describe the focus of the presentation. The first code listed designates the primary area of focus. Please check the Program Key box on page 4 for this year's featured categories and codes. Attendees are encouraged to bring smart phones, tablets, or laptops to fully participate in portions of these presentations: S001, S003, S005, S006, S023, S026, S027A, S029, S031A, S031B, S32A, S033, S034, S040, S042, S043, S049, S050, S054, S059, S066, S067, S073, S086, S089, S102A, S115, S126, S130, S144, S152, S156, S165, and S173.

Thursday 8:00 am - 8:50 am

S001 Flipping Your Classroom: Lessons Learned (IS)
   Alison Hammack, Keri Siler, Steve Purtee

S002 As IMPACTFUL as Walt Disney (G, H, IS)
   Sarah Miller

S003 Unlocking the Magic of Desmos (IT, G)
   Raymond Houston

S004 Fresh Fun Icebreakers: “FastPass” for Engagement (IS, G, D)
   Nadia Sidibaba, Joanne Kiriazes

Thursday 8:00 am - 8:55 am

Themed Session

T5 Random Walk Through Math Intensive Topics
   T5A Surface Area of the Menger Sponge (MI)
      Sang Lee
   T5B Success in Math: An Option for Under-Prepared Students (MI, IS, DI)
      Rebecca Rose, Jennifer Fitzgerald
   T5C Mathematics in Context Through Finite Math (MI, QR, IS)
      Heidi Lyne

Thursday 8:00 am - 9:55 am

Themed Session

T1 Multiple Mathematics Pathways: Trend or New Normal?
   T1A Using Accelerated Mathematics to Complete Pathways More Quickly (D, CR)
      Lisa Feinman
   T1B Is College Algebra Really a Thing? (D, CR, QR)
      Brian Mercer, Dave Sobecki
   T1C Math Literacy: The Most Versatile Developmental Pathways Option (D, CR)
      Kathleen Almy
   T1D Forging a Third Path: Implementing a Business & Social Science Pathway (D, CR, DI)
      Aimee Nguyen
   T1E Washington Math Pathways (CR, DI, D)
      Helen Burn, Peter Wildman
   T1F Three Years of Corequisite Learning Support at Roane State (D, CR, PA)
      Markus Pomper

Themed Session

T2 Classroom-Ready Career Applications
   T2A Proportions and Variations (IS, G, QR)
      Carol Hannahs

   T2B Only You Can Prevent Forest Fires . . . With Math! (IS, QR, G)
      Lea Rosenberry
   T2C Classroom-Ready Business Applications (G, QR)
      Tami Tacker
   T2D Integration of Field Applications into Technical Mathematics Courses (IS, QR, G)
      Yelda Aydin-Mullen
   T2E Classroom-Ready Career Applications (IS, GE, G)
      Ella Sitkin
   T2F Technical Problem Solving with Mathematics: A Project (IS, GE, G)
      Cynthia Griffin Ediger

Themed Session

T3 Placement Exams and Student Success, Surveys, and Reports
   T3A Using Machine-Learning Math Placement to Improve Student Success (PA, R)
      Gavin Waters
   T3B Arizona's Statewide Summit (PA, R, DI)
      Jeff Thies
   T3C Virginia's Customized Placement Practices for More Accurate Results (PA, DI)
      Patricia Parker
   T3D Solutions for Improved Student Placement and Student Assessment (PA, R)
      Liz Hylton, Kathy Smith
   T3E The Main Attraction: A Next Generation Placement Test (PA, DI, R)
      Laura McCarthy, Georgette E. Hyman
   T3F Results from Regrouping - Could This Help Your Students? (PA, CR, IS)
      Judy Williams

Themed Session

T4 Hands-On Activities for the Introductory Statistics Classroom
   T4A Kissing the Law of Large Numbers (ST)
      David Usinski
   T4B Two “Colorful” Classroom Experiments (ST, IS)
      Roxy Peck
   T4C Using Self-Experimentation to Motivate Students in Health Statistics (ST, IS, R)
      Don Davis
   T4D The General's Dilemma (ST)
      Michael Sullivan
   T4E What's Stats Got to Do with It: How Statistics Makes Smarter Consumers (ST)
      Holly Wendel
   T4F Sharing Half of Your Two Cents - Statistics Activities with a 1962 Penny (ST)
      Michael Posner
Thursday 9:10 am - 10:00 am

S005 AMATYC 101 (G)
Nancy Rivers, Dan Fahringer, Jon Oaks

S006 LaGuardia New Math Sequence to Accelerate Student Completion at Scale (CR, D, DI)
Milena Cuellar, Jeanne Funk, Dong Wook Won, Abderrazak Belkharrarz

S007 Building Resilience to Successful Completion (IS, G, CG)
Edie Carter, Gale Brewer, Greta Johnson, Karen White

S008 Motivating and Engaging Online Students (DL, IS, IT)
Christina Thompson, Angela Agocs, Kristine Buddemeyer

S009 Why, Not What: Critical Thinking for Exploration (MI, QR, G)
Joshua Santora, Tim Adams

S010 Math for Fun: Activities for Humor and Relevance (IS, D, ST)
Julie Miller

S011 Measuring Fairness: Gerrymandering and Voting in the Math Classroom (QR, G)
Meghan VanderMale

Thursday 10:20 am - 11:10 am

S012 Play “Price is Right” Games, Then Connect Them to Math and Statistics (QR, IT, IS)
Kathleen Mittag, Sharon Taylor

S013 Opening the Classroom Door Through Investigating Algebra Instruction (R, DI, G)
Dexter Lim, Patrick Kimani, April Ström, Laura Watkins

S014 Mentoring, Motivating, Creating: Active Professional Development (DI, CR, IS)
Roger Isaac Blanco, Maria Alvarez

S015 Discrete Math Resources for Continuous Learning (MI, IT)
Andrew Beiderman

S016 There's More Than One Way to Integrate that Function! (MI, IS)
Steve Kifowit

S017 Incorporating Mathematical Mindsets (IS, G, R)
George Woodbury

S018 Growing Data Science Courses and Programs - The Need to Collaborate (ST, CR, IS)
Michael Posner, Mary Rudis, Rob Gould, Kathryn (Kate) Kozak

S019 Fostering Mathematics Undergraduate Research at the Community College (R, MI, G)
Mike Long, Carol Howald

S020 Building Common Sense in Calculus Through Experience (IS, MI)
Alfonso Heras Llanos, Eva Rivera Lebron

S021 Making the Most of Your Dual Enrollment Partnerships (DI, IS, TP)
Andrea Faber, Larisa Russell, Rodney Null

S022 Embrace Student-Centered Learning and Decrease Your Workload (IS)
Heather Luman

Thursday 10:20 am - 12:20 pm

W01 Modern Statistics Pedagogy...with a TANGO [Stat Ed]
Beat (ST, IS, IT)
Ambika Silva, Kurt Withey, Sharleen McCarroll, Richard Corp

W02 Common Core Standards Through Games and Captivating Activities (TP, IS)
Valerie Cope, Kinga Oliver

Thursday 11:20 am - 12:35 pm

C1 Pearson Education: Personalized Learning & Preparedness
Calandra Davis

Thursday 11:30 am - 12:20 pm

S023 What's Your Main Attraction? (IS, IT)
Elizabeth Betzel, Michelle Duda, Karen Starin, Jessica Lickeri

S026 A New Approach to the Flipped Classroom (CR, IS, IT)
Wendy Fresh, Jessica Bernards
Thursday, November 15

**Mini Sessions**

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

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

See page 21 for more information.

**S024A** Reading Mathematics as a Motivational Tool (G, DI)
Donna Gerken

**S024B** Assessing Understanding with Student Recordings in an Online Course (DL, IT)
Daniel Ozimek

**S025A** Undergraduate Research in an Introductory Statistics Course (ST, R, IS)
Shawn Firouzian, Brandon Hawkins

**S025B** The Mathematics of Waiting – Modeling Queues (ST, QR, G)
Brian Smith

**S027A** Exponential Growth or Decay (MI, IS, G)
Shane Tang

**S027B** Getting Out of the Classroom: Calculus Field Trips for Adults (MI, IS)
Dan Rockwell

**S030A** Doing It the Alamo Way: Implementing Corequisites in Non-Stem (CR, D, DI)
Dianna Torres Lee, Patrick Lee

**S030B** Getting Students to Persist – in Math and in College (G, DI)
Jennifer Strehler

**S031A** “Real World” Finance – Practical Labs for Finance (QR, IS, IT)
Lori Vincent

**S031B** Using an App to Improve Communication in Calculus I (IS, IT)
Kim McHale

**S032A** Data Science 101: The Main Syllabus (CR, ST, IS)
Mary E. Rudis

**S032B** Developing a Data Analytics Certificate for Working Professionals (ST, IS)
Andrew Kerr

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

**S034** Exponential Thrills! (IS, MI, G)
Cindy Moore, Tammy Sullivan

**S035** AMATYC Grant Series: NSF Grants 101 (G, R)
Elizabeth Teles, Ron Buckmire, Sandra Richardson

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

**Q1** Chairs’ Colloquium (DI)
Christine Mirbaha, Sean Simpson

**S047** Making Statistics Relevant and Fun! (IS, ST)
Alexandra Verkhovtseva

**S048** Pre-Service Teachers Content Knowledge - “How and Why” (TP, IS, R)
Judy Werner

**S049** Active Learning in Quantitative Literacy (QR, IS, IT)
Meghan McIntyre, Analenma McKee-Schwenke

**S050** Rising from the Ashes: One Campus’ Story of Recovering After Disaster (CR, IT, DL)
Nathalie M. Vega-Rhodes

**S051** Math Literacy: All the Extras (CR, D)
Erin Wilding-Martin, Brian Mercer

**S052** Microaggressions: Why Should Faculty Care and What Should They Do? (CG, G, IS)
Dorota Zak

**S053** Developing Technological Pedagogical Content Knowledge (TPACK) (R, DL, DI)
Trisha Danielle Unten
Thursday, November 15

S054  Teaching Introductory Statistics with Simulation-Based Inference [SBI] (ST, CR, IS)
   Barbara Dolansky

S055  Affiliate Sharing Session (G, DI)
   Sandra Seifert, Bruce Wahl

S056  Mathematics Literacy in Higher Education: A Four Decade Review (G, CG)
   Featured Speaker: Jeffery S. Allbritten

S057  An Active Adaptive Approach to Teaching and Learning College Algebra (MI, IS, CR)
   Sara Clark, Katy Williams, Lyn Riverstone, Elizabeth Jones

S058  Aikido - Mathematics in Motion (CG, G)
   Steven Zollinger, Jennifer Zollinger

S059  AMATYC Grant Series: NSF Grants 201 (G, R)
   Elizabeth Teles, Ron Buckmire, Sandra Richardson

Thursday 3:00 pm - 4:30 pm

Thursday Keynote Session
   Remarks by
   James (Jim) Ham, AMATYC President

Speaker: Billy Hix
   Math Really Rocks!! An Astronomer’s Journey

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
   • Final Hearing: Addressing Factors Critical to Student Success
     Moderator: Paula Wilhite, Chair, Developmental Mathematics Committee
   • Initial Hearing: Equity in Mathematics
     Moderator: Benjamin Aschenbrenner, Task Force Member

   7:30 pm - 8:00 pm
   • Final Hearing: Fostering Learning
     Moderator: Paula Wilhite, Chair, Developmental Mathematics Committee
   • Initial Hearing: Mathematics for Liberal Arts
     Moderator: Fary Sami, Leader, Mathematics for Liberal Arts ANet

   8:00 pm - 8:30 pm
   • Final Hearing: Best Practices in Employment of Adjunct Faculty
     Moderator: Judy King, Leader, Adjunct Faculty Issues ANet
   • Initial Hearing: Mathematics in a Globalized World
     Moderator: Steve Krevisky, Leader, International Mathematics ANet

Thursday 7:00 pm - 9:15 pm

Research Session
   Sponsored by the Research in Mathematics Education for Two-Year Colleges
   Keynote speaker 7:00 pm - 7:50 pm
   Breakout sessions 8:00 pm - 8:30 pm and 8:45 pm - 9:15 pm

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.

A Gift For Teaching
   Celebrating 20 Years

Our Orlando service project is A Gift For Teaching (AGFT). AGFT is Central Florida’s primary provider of free school supplies to teachers for their students in need, enabling them to succeed in school and life. A nonprofit organization that serving schools in Orange and Osceola counties, AGFT has distributed nearly $120 million worth of school supplies – including essential classroom tools such as pencils, notebooks, glue, backpacks, art supplies and books – to local students in need since 1998. A collection box for the donation of notebooks, paper, pencils, pens, folders, spirals, binders, markers, crayons, or gift cards will be located in the hospitality room.

Printed with permission from A Gift For Teaching.
Friday, November 16

Friday 8:00 am - 8:50 am

Chat & Chew
Pastries being provided courtesy of AMATYC’s Corporate Partners – Hawkes Learning and McGraw-Hill Education.
Be sure to bring your own beverage.
See page 22 for a description of this event.
A complete listing of speakers and topics will be available on the conference app and in the program.

S060 Teaching and Assessing Statistics with Simulation - Accessible to All (ST, IS, PA)
Christine Franklin

S061 Incorporating Non-Cognitive Skills in Corequisite Math Classes (IS, D)
Mike Sieve, Heather Howington

S062 Concrete, Pictorial, Abstract Development of Math (IS, CG, TP)
Meg Moss

S063 Learnings from a Research-Practice Partnership on Math Motivation (R, DI, G)
Maryke Lee, Deborah Howard, David Silverman, Christopher Hulleman

S064 Let Word Problems Be the Main Attraction & Not a Major Detraction! (IS, D, CG)
Jennifer Ackerman

S065 You Always Wanted to Be a Professional Math Teacher! ... Now What? (DI, G)
Dennis C. Runde

S066 Taking Online Statistics to the Next Level (ST, DL, IT)
Tami Tacker, Carol Hannahs, Larry Musolino, Leah Murray

S067 Microlearning in the Math Classroom (IT, IS, DL)
Leslie Johnson

S068 Author! Author! (G)
George Alexander, Johanna Debrecht, Tony Piccolino

Friday 9:00 am - 10:15 am

C7 Maplesoft
Check the conference program for complete details.

C8 Hawkes Learning: The Power of a Positive Academic Mindset
Jennifer O’Brien

C9 Cengage: The Corequisite Challenge: Nationwide Concerns and Ways to Address Them
Giana Manzi

Friday 9:10 am - 10:00 am

S069 Pascal’s Triangle – Blaise-ing a Trail of Mathematics (G, H, CG)
Edouard Tchertchian

S070 Hands-On Learning Activities in Quantitative Literacy Courses (QR, IS)
Lindsey Gerber, Debra Ward

S071 Equal Professional Development Opportunities for Adjunct Faculty (DI, G)
Heather Howington, Dan Ray

S072 Facilitating an Analytics Transformation: The Disney Story (G, ST, CG)
Featured Speaker: Mark W. Shafer

S073 Students Code with Desmos to Inspire Mathematical Thinking (IS, IT, G)
Scott Adamson

S074 Using Utility-Value Interventions to Remove Barriers in Math Courses (R, CG, G)
Christopher Hulleman, William “Hank” Murrah, Yoi Tibbetts, Michelle Francis

S075 Google and Asana: Free Tools to Free Your Mind for the Main Attraction (IT, G)
Peg Hohensee, Lea Rosenberry

S076 The Mathematics of the Movie Gifted (G)
Marvin L. Bittinger

S077 Data Science Statistics Pathways: What is Needed to Enter the Major? (CR, ST)
Rebecca Hartzler, Roxy Peck

S078 Catalyzing Change: Initiating Critical Conversations (G, DI)
Robert Berry

S079 Dirty Data (ST, QR, IT)
Cristina Voisei, Mary Elizabeth Gore

S080 Writing Assignments in Math Classes? The Why and How (G, IS, D)
Joe Agnich

S081 The Mathematics of Attraction (G, QR)
Angie Schirck-Matthews

Friday 10:20 am - 11:10 am

Symposium: Improving Mathematical Prowess and College Teaching (IMPACT)

Y1 What is IMPACT? (IS, R, DI)
Ted Coe

S082 A Flu-Modeling Epidemic (MI, IS, G)
Milos Podmanik

S083 Inquiry-Engaged, Problem-Solving Pedagogy & Mentorship in Precalculus (MI, IS, CG)
José Maria Menendez, Laura Watkins, Guadalupe Lozano

S084 Learning Statistics by Project-Based Learning Strategy (ST, CR, IS)
Jae KI Lee

S085 Are Bad Habits Hindering Your Classroom Presentations? (G, IS)
Alan Tussy
Friday, November 16

Friday 1:15 pm - 2:00 pm

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

Friday 1:45 pm - 3:00 pm

C13 Coilytix, Inc.: Coilytix App: Improved Classroom Participation and Student Engagement
Lori Silverman

C14 Hawkes Learning: Implementing a Corequisite Course: A Basic How-to Guide
Kate Wise

C15 McGraw-Hill Education: Best Practices on Building a Flexible Coreq
Panel Discussion

Friday 2:00 pm - 2:50 pm

S097 Perfect Examples in Statistics (ST, IS, G)
Marty Triola

S098 Best Practices in Mathematics: Reading to Learn, Writing to Think (CR, D, IS)
Wade Ellis

S099 Transforming Students into Online Learners (DL, IT, QR)
Kirsten K. Meymaris, Michael Heeren, Laura Allison

S100 Ready to Share — OER Textbooks for College Algebra and Trigonometry (CR, MI, G)
Ruth Trygstad, Spencer Bartholomew

S104 Making Mathematics Personal: Practical Experiences and Results (MI, IS, R)
Lauretta Garrett, Kelly Guest, Carol Gudauskas, Mary Johnson

Friday 10:20 am - 11:35 am

C10 Pearson Education: Teaching Corequisite Courses with MyLab Math and Stats
Stephanie Walker

C11 Knewton: Curriculum Redesign Using Knewton’s alta
Sharon North

Friday 11:10 am - 11:45 am

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

Friday 11:45 am - 1:15 pm

**Regional Meetings & Luncheons**
Northeast - Sophia Georgiakaki
Mid-Atlantic - Dan Fahringer
Southeast - Nancy J. Rivers
Central - Rochelle Beatty
Northwest - Sarah Paulley

Lunch Served: 11:45 am - Noon
+ Ticket Required for Lunch Portion +

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

Friday 11:45 am - 1:15 pm

S094A Designing a Hybrid Precalculus Course – Experiences and Experiments (DL, IS, R)
Sofya Antonova

S094B Writing in the Disciplines (IS, MI, R)
Matthew Simmons, Kimberly Fahlgren

S095A The Golden Age of Math Books Is Now! (G, H, MI)
Vincent LoCascio

S095B Mean/Median/Mode: A Student Activity To Enhance Descriptive Statistics (ST, IS, QR)
Kari Arnoldsen

S096A The Case for Mathematical Thinking (IS, G, QR)
Kendall Jacobs

S096B Say What You Mean and Mean What You Say! (IS, G)
Patricia Anderson
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<th>Session</th>
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<td>Quantitative Reasoning: Make Mathematics a Thrilling Ride (QR, IS, G)</td>
<td>Rusandica Manole</td>
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<td>S101B</td>
<td>High School &amp; College Partnerships: Creating Stronger Math Pathways (PA, DI, R)</td>
<td>Rachel Bates</td>
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<td>S102A</td>
<td>UniDoodle – A Highly Effective Student Response System for Mathematics (IT, IS)</td>
<td>Michael Jennings</td>
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<td>S102B</td>
<td>Fantastic Formative Assessment (IT, PA, G)</td>
<td>Denise Nunley</td>
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<td>S103A</td>
<td>Number Talks to Increase Student Understanding (IS, QR, D)</td>
<td>Leah Rineck</td>
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<td>S103B</td>
<td>What Should Be Taught as Artificial Intelligence Becomes More Powerful? (G, MI, CR)</td>
<td>Alexander Atwood</td>
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<td>S105</td>
<td>The OutReach Tutoring Center – a Model for Success (DI, IS)</td>
<td>Mandi Wheeler, Reem Witherspoon</td>
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<td>S106</td>
<td>Individualized Excel Projects to See Concepts in Algebra and Calculus (IS, MI, IT)</td>
<td>Rob Eby</td>
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<td>S107</td>
<td>Make and Take TACTIVITIES (MI, IS, QR)</td>
<td>Holly Ashton, David Lawton</td>
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<td>S108</td>
<td>Tales From the Front Lines: Teaching in a Collaborative Environment (IS, QR, CR)</td>
<td>Dave Sobiecki</td>
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<td>S109</td>
<td>Faculty Math League (MI, G)</td>
<td>Steven Blasberg, Steven Hundert</td>
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<td>S110</td>
<td>Placement of General Studies Students Using Machine Learning (PA, QR, R)</td>
<td>Gavin Waters</td>
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<tr>
<td>S111</td>
<td>Taking the Algebra out of College Algebra (CR, IS, IT)</td>
<td>Maria Andersen</td>
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<tr>
<td>S112</td>
<td>Stressing Students Before They're Here: The Impact of Assessment Tests (PA, R)</td>
<td>Katrina Keating</td>
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<td>S113</td>
<td>Teaching Data Centric Statistics: A StatPREP Overview (ST, IS, IT)</td>
<td>Michael Brilleslyper, Jenna Carpenter</td>
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<td>S114</td>
<td>Designing Innovative and Creative Online Math Discussion Boards (DL, IS)</td>
<td>Mark Marino, Margie Dunn</td>
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<td>S115</td>
<td>Faculty Development and Equity in an Era of Mathematics Reform (CG, R, DI)</td>
<td>Lucy Michal, Alycia Marshall</td>
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**Friday 2:00 pm - 4:00 pm**

**PS** AMATYC Poster Session: Always a Main Attraction
(See page 10 for a list of posters.)

Symposium: Improving Mathematical Prowess and College Teaching (IMPACT)
Y2 Energizing Students to Transform Themselves Through IMPACT (IS, R, G)
Julie Phelps, Ted Coe, Fred Feldon

W03 Teaching Math for Teachers (K-8): Instructional Strategies (TP, IS)
Lynn C. Hart, Susan Oesterle, Ziv Feldman, Ann Kajander

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

S105 The OutReach Tutoring Center – a Model for Success (DI, IS)
Mandi Wheeler, Reem Witherspoon

S106 Individualized Excel Projects to See Concepts in Algebra and Calculus (IS, MI, IT)
Rob Eby

S107 Make and Take TACTIVITIES (MI, IS, QR)
Holly Ashton, David Lawton

S108 Tales From the Front Lines: Teaching in a Collaborative Environment (IS, QR, CR)
Dave Sobiecki

S109 Faculty Math League (MI, G)
Steven Blasberg, Steven Hundert

S110 Placement of General Studies Students Using Machine Learning (PA, QR, R)
Gavin Waters

S111 Taking the Algebra out of College Algebra (CR, IS, IT)
Maria Andersen

S112 Stressing Students Before They're Here: The Impact of Assessment Tests (PA, R)
Katrina Keating

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

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

**ANets**
- Mathematics for Liberal Arts

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

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

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

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

**Ignite Event**
<table>
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<tr>
<th>PS01</th>
<th>Now Showing: Mathematics in Action to Engage College Algebra Students (MI, D, CR)</th>
<th>PS20</th>
<th>Goal Setting in the Transfer-Level Classroom (IS)</th>
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<tr>
<td>Alvina Atkinson, Sharron Jenkins</td>
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<td>Jamie Kneisley</td>
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<td>PS02</td>
<td>Competency-Based Education in Quantitative Literacy (QR, CR)</td>
<td>PS21</td>
<td>Global Learning and Mathematics (GC, R)</td>
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<td>Stacey Auman</td>
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<td>Barbara Leitherer</td>
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<td>PS04</td>
<td>Implementing Game-Based Learning and Assessment with a Mobile App (IT, IS, D)</td>
<td>PS22</td>
<td>Creating a Sense of Community Among Students (G, IS)</td>
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<tr>
<td>Mark Carlson</td>
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<td>Mei Lu</td>
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<td>PS05</td>
<td>Student Interactions Outside the Classroom: A Retention Effort (IS)</td>
<td>PS23</td>
<td>How Ohio is Building Bridges to Success Through State Initiatives (CR, D, PA)</td>
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<tr>
<td>Megan Cavanah</td>
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<td>Tyler Maley</td>
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<td>PS06</td>
<td>Improving Student Engagement in Introduction to Statistics (ST)</td>
<td>PS24</td>
<td>A Hands-On Hybrid (DL, D)</td>
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<tr>
<td>Vinodh Kumar Chellamuthu</td>
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<td>Rachel Marcial</td>
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<td>PS07</td>
<td>Using Javascript to Automate Approximating &quot;Impossible&quot; Integrals (MI, IT)</td>
<td>PS25</td>
<td>Activity-Based Trigonometry (IS, MI)</td>
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<td>Adrienne Chu</td>
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<td>Elizabeth Meena</td>
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<td>PS08</td>
<td>Group Work in an Accelerated Developmental Math Course (CR, D)</td>
<td>PS26</td>
<td>A Main Attraction at Home – An AMATYC Traveling Workshop is the Best! (G, IS, DI)</td>
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<tr>
<td>Jacque Coe</td>
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<td>Mari Menard</td>
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<td>PS09</td>
<td>Math Art Using Desmos (IT)</td>
<td>PS27</td>
<td>Mathematics Across the Campus (QR, DL)</td>
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<td>Hieu Do</td>
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<td>Arthur Migala, Leslie Migala</td>
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<td>PS10</td>
<td>Open Educational Resources in Math &amp; Computer Science: A Case Study (CR, IT)</td>
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<td>Independence and Other Lexical Ambiguities (ST)</td>
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<td>Maria Mercedes Franco</td>
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<td>Robert Molnar</td>
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<td>PS11</td>
<td>Collaborative Statistics (ST)</td>
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<td>Ten Ways to Publish Equations that Screen Readers Hate (IT, DL)</td>
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<td>Jie Frye</td>
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<td>PS12</td>
<td>Promoting Graphic Novels and Information Literacy in the Classroom (IS, ST, R)</td>
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<td>Mitzi Fulwood, Elena Lazovskai-Hall</td>
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<td>PS13</td>
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<td>The Mathematics Professional Learning Community (PLC) at UNM-Taos (CR, DI, IS)</td>
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<td>Karen Gaines</td>
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<td>Colin Nicholls, Thomas Gruszka</td>
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<td>PS14</td>
<td>Creating Resources for a Calculus I Course – Traditional and Flipped (CR, MI, IS)</td>
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<td>Improving the Mathematics Education of Nurses: A National Initiative (R, G)</td>
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<tr>
<td>Matt Gargas</td>
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<td>Daniel Ozimek, Rebecca Hartzler</td>
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<td>Student Success Through EthnoSTEM (GC, IS)</td>
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<td>Using Projects to Develop Students' Interests and to Enhance Learning (ST, QR)</td>
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<td>Math Jam: Preparing Students with a Math Boot Camp (D, PA, IS)</td>
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<td>Kathryn Hernandez</td>
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<td>Michael Peterson</td>
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<td>PS17</td>
<td>Discussions Among Math Students About Growth Mindset (IS, G)</td>
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<td>Learning Opportunities Through Exam Reflections (IS)</td>
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<td>Diane Hill</td>
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<td>Ashley Priem</td>
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<td>PS18</td>
<td>Online Design with Student Success in Mind (DL, IS, CR)</td>
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<td>Free Ticket to College Math – Bypass Developmental Courses (D, CR)</td>
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<td>Christina Holdiness</td>
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<td>Tina Ragsdale</td>
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<td>PS19</td>
<td>Integrating Social Issues into Statistics (ST, GC)</td>
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Saturday, November 17

Saturday 7:45 am - 10:00 am

Saturday Awards Breakfast Session
Breakfast Served: 7:45 am - 8:15 am*
("Ticket Required")
Program: 8:30 am - 10:00 am

Presentation of Awards
James (Jim) Ham, AMATYC President

Speaker: Guadalupe Quintanilla
An Ongoing Challenge: Success in Education

Saturday 10:00 am - 10:45 am

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

Saturday 10:45 am - 11:35 am

S116 Creating Exemplary Online Courses (DL, IS, IT)
Joan Romano, James Hedges

S117 Structuring Lessons Around Applets: Supporting Meaning-Making (IS, IT, DL)
Alan O'Bryan, Grant Sander, Marilyn Carlson

S118 Learning Communities: Linking Courses Beyond Scheduling (CR, DI, ST)
Kate Wolfe, AJ Stachelek

S119 LOL … The Language of Learning (IS, MI, CG)
Beth Tsai

S120 Valuing and Engaging Adjunct Faculty (DI, G)
Amber Rust, Stacey Nicholls

S121 Developing Multivariable Thinking in Introductory Statistics (ST)
Roxy Peck, Tom Short

S122 Preparing Students for Physical and Biological Sciences Courses (IS, D, QR)
Chris Oehrlein

S123 Create Quantitative Reasoning Problems From Non-Mathematical Scenarios (QR, IS)
Pat Riley, Sherry McCormack, Arthur Schultz

S124 Helping Students on the Autism Spectrum Succeed in College Mathematics (IS, CG, G)
Ben Moulton

S125 Challenges of Teaching Calculus (MI, IS)
Robert Cappetta

S126 Spreadsheets for Quantitative and Algebraic Reasoning (QR, IT, CR)
Eric Gaze

Saturday 10:45 am - 12:45 pm

Symposium: Improving Mathematical Prowess and College Teaching (IMPACT)
Y3 Make an IMPACT with Research-Based Strategies to Improve Learning
Y3A Improving Mathematical Prowess And College Teaching – That’s an IMPACT (R, IS, DI)
Julie Phelps
Y3B Developing Proficiency with Proportionality: Research-Based Strategies (R, IS, DI)
Megan Breit-Goodwin
Y3C Departmental and Institutional Ownership: Improving Student Success (R, IS, DI)
Steve Krevisky
Y3D Practical Strategies for Student Engagement in Mathematical Thinking (R, IS, DI)
Scott Adamson
Y3E Reframing Student Success: Lessons from our Students (R, IS, DI)
John T. Smith
Y3F What Happens Next? Summary Statements (R, IS, DI)
Dan Petrak

Saturday 11:55 am - 12:45 pm

S127 The Elementary Math Project: A Curriculum for Prospective Teachers (TP, CR, IS)
Ziv Feldman, Suzanne Chapin

S128 Building Trust in Adjuncts for Student Success with Networked Support (DI, IS, D)
Dayna Ford, Logan Maxwell

S129 Exploring Your Leadership Potential (DI, G, CG)
Christine Mirbaha

S130 Utilize Tablet or Laptop to Full Potential In or Out of the Classroom (IT, DL, IS)
Annette Cook

S131 Keeping the Main Thing the Main Thing (D, IS)
Christine Mirbaha

S132 There's a Video for That – The Sequel (G, IT, IS)
Lisa Savy

S133 The Mathematical Preparation of Elementary School Teachers (TP, R, CG)
Randolph Philipp

S134 Apollo Turns 50: One Flight Controller’s Story (G, CG, H)
William G. “Bill” Weppner

S135 Accessible Course Shells for OER & Other Texts – All Ready to Adapt! (IT, DL, G)
Barbara Illowsky

S136 Origami for Engineering: Collapsing, Functional, and Strong – Oh My! (G, QR, H)
Keith Nabb, Jaclyn Murawska

S137 Call it Growth Mindet or Grit - It's Showing Promise in Math Education (IS, D, R)
Elayn Martin-Gay

Committee Meeting • 2019 Conference Planning • 10:45 am - 12:45 pm
Saturday, November 17

Saturday 1:05 pm - 1:55 pm

S138 Teaching & Learning Power Series Expansions of Functions Using Desmos (IT, MI, IS)
Matthew Thomas Michaelson

S139 The House Always Wins: The Mathematics of Basic Sports Wagering (QR, ST)
Ronald Yates, Patrick Villa

S140 Coping With Math Anxiety: From Research to Relief (IS, R, CG)
Fred Peskoff, Leonid Khazanov

S141 Why Do You Like that Song? (G, R, CG)
Greg Stiffler

S142 The Main Attraction of Placement: Individualized & Required Remediation (PA)
T.J. Duda, Beth Barnett, Phil MacLean

S143 Needed Math for STEM Technicians (CR, IS, R)
Michelle L. Younker, Solomon Garfunkel, Rob Kimball, Stefan Baratto

S144 IMPACT Live! (IT, IS)
Evan Evans, Julie Phelps

S145 Digital Natives? A Study of Student Computer Skills (IT, R, G)
Dona Boccio

S146 Teach Without Teaching (IS, G)
Mony Kennedy

S147 Equity Awareness: A Personal Story (CG, G, R)
Anne Vance

S148 Looking High and Low to Integrate Rational Functions (MI, IT)
Diane Koenig

S149 Using Activators for Universal Design (IS, CG)
Gil Rosenberg

Saturday 2:15 pm - 3:05 pm

S150 Simple Ways to Begin and End Math Class that Make Learning More Fun (IS, QR, G)
Mark Colgan

S151 Using Writing Prompts In Algebra Classes (IS, D)
Nicole Gray, Jeff Anderson

S152 Digital Manipulatives – Ancient and Modern Computing and Teaching (IT, TP, H)
Agnes Azzolino

S153 If You Can Dream It, You Can Do It! Coreqs in Stats/Liberal Arts Math (CR, ST, QR)
Tiffany A. Padgett, Regina Bentley

S154 What Happens Outside the Classroom? (IS, R)
Peter Legner

S155 AMATYC Can Increase Diversity in the Classroom and in the Profession (CG, G)
Marilyn E. Mays, Wade Ellis

S156 An Interactive Activity for Statistical Literacy (ST, QR, G)
John E. Ward

S157 Adjuncts: Not the Main Attraction, but Definitely Not the Side Show (DI)
Judy King

S158 Developmental Education Reform: Fairy Godmother or Evil Stepmother? (D, CR, FA)
Kelli Hammer, Alan Lebovitz, Laura Iossi, Michelle Carmel

S159 Preparing Students for College-Level Math Using Independent Study (PA, D)
Kristin Oakes, Rebecca Wulf, Gary Netherton

S160 Empowering STEM Students – Creating Opportunities and Changing Lives (MI, IS)
Karen Summerson, Ivana Seligova

S161 Incorporating Growth Mindset and Grit in Developmental Math Classes (IS, D)
Bill Shamhart

**Impromptu Room**

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

**Saturday 3:45 pm - 5:45 pm**

**Delegate Assembly**

Delegates are to be seated by 3:30 pm

The delegate packet will be made available online for review at www.amatyc.org on October 15, 2018. If you are a delegate and have difficulty accessing the packet, contact your regional vice president.
Sunday, November 18

Sunday 8:15 am – 9:05 am

S162 The Magic of a Mic: Pictures Are Worth a Thousand Words (DL, IS, IT)
Sabrina Ripp

S163 From Ancient to Modern: Mathematics in the Talmud (H, CG, G)
Chana Epstein

S164 The Main Event: The Case for a College Football 8-Team Playoff System (ST, QR, G)
Steve Krevisky

S165 Game Up Your Math! (G, IS)
Kathleen Offenholley

S166 Engage Students with Contextual Applications (IS, DI, MI)
Jay Martin, Carrie Hoffman

S167 The “Down and Dirty” of Teaching Corequisite Courses (CR, IS, MI)
Sonia Ford, Lori Thomas, Kyle Kundomal

Sunday 9:25 am – 10:15 am

S168 Building Mathematics Courses Using the Backwards Design Process (CR, R)
Jonathan Weisbrot

S169 Redesigning the Main Attraction: Transitioning to Online Activities (CR, DL, IS)
Lorinda Fattic

S170 Getting Acquainted with Proofs (MI, IS, H)
Brooke Orosz

S171 A Student’s Mindset: It Can Grow! (IS, G)
Jennifer Williford

S172 POGIL-style Activities in Introductory Statistics (ST, IS, R)
Katina Gothard, Megan Mocko

S173 Wanna Be a Slacker? (G, DI)
Luke Walsh, John Bennett

Sunday 10:30 am – 11:15 am

Closing Session
James (Jim) Ham, AMATYC President
+ Conference wrap-up
+ Report on Delegate Assembly actions
+ Opportunities to get more involved in AMATYC
+ Preview of next year’s conference in Milwaukee
+ Adjournment

Milwaukee 2019

Program proposals to present in Milwaukee can be submitted at the AMATYC website, www.amatyc.org, beginning November 1, 2018. 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 Milwaukee is February 1, 2019.

Orlando Program Key

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

Looking for a way to honor, recognize, or remember a colleague, mentor, outstanding presenter, or leader? Gifts to the AMATYC Foundation can be made in honor or memory of anyone.

This year donations can also be designated to support AMATYC’s Student Mathematics League or the new Student Research League.

Join us in congratulating two AMATYC members at the Thursday Keynote Session in Orlando:

**Leila & Simon Peskoff Award**

Project ACCCESS graduate, **Leslie Banta**, recipient of the third annual Leila & Simon Peskoff Award.

**Margie Hobbs Award**

**Rusandica (Sanda) Manole**, the first recipient of the Margie Hobbs Award.

Check the October issue of the *AMATYC News* for details and fundraising events during the conference in Orlando.
American Mathematical Association of Two-Year Colleges
44th 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” (S005) and to accept the invitation you will receive in October to participate in the AMATYC Conference 101 webinar. If you qualify, are an AMATYC member, and are registering prior to the end of the discount registration period, see registration category B on the next page.

Name ____________________________________________
Please type or print legibly.

For Name Badge

Member ID# ____________________________
See membership card or mailing label (if member).

Preferred mailing address is: ☐ College/Institution ☐ Home

College ____________________________________________
College Address ____________________________________________
City ____________________________ State __________ Zip __________
College Phone(_______)________________________

Email Address ____________________________________________

☐ Check here if you wish to be excluded from the attendee list provided to vendors.

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

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<th>On-Site Registration</th>
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<td>MAIL (3 pages) using check or credit card</td>
<td>Registration AND payment must be postmarked BY September 30, 2018.</td>
<td>Registration AND payment postmarked AFTER September 30, 2018.</td>
<td>Registrations sent by mail must be postmarked by October 15, 2018. After this date it will be necessary for attendee to bring form and payment with them and register on-site.</td>
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<tr>
<td>Payment must accompany purchase order.</td>
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<td>ONLINE using a credit card</td>
<td>Registration AND credit card information must be completed BY October 7, 2018.</td>
<td>Registration AND credit card information completed AFTER October 7, 2018.</td>
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<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, 2018.</td>
<td>Registration AND credit card information completed AFTER October 7, 2018.</td>
<td>Please do not fax form and credit card information after October 18, 2018. It will be necessary for attendee to bring form and payment with them and register on-site.</td>
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<tr>
<td>IN PERSON using cash, check, or credit card</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Register in person on-site and pay regular rate.</td>
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Purchase Orders and Receipts: AMATYC accepts a purchase order ONLY if it is accompanied by payment. Every registration form received in the AMATYC Office or completed online will receive an email receipt. If you do not receive an email receipt, contact the AMATYC Office.

Refund Policy: A refund of 100% of your registration fee less a $25 service fee will be given upon receipt of a written request postmarked by October 31, 2018. A 50% refund less a $25 service fee will be given if your written request is postmarked on or after November 1, 2018, and by November 14, 2018. NO refunds will be given for requests postmarked on or after November 15, 2018. NO refund will be given for membership dues. Requests for return of overpayments must be in writing. Registration fees must be returned to the AMATYC Office no later than December 15, 2018. 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 atamatyc@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 11/18/18 or earlier, must renew their dues before registering for the conference in order to take advantage of the member registration rate. Anyone who joins AMATYC may select the member registration rates. If you are not sure of your membership status, please contact the AMATYC Office at 901.333.5643 or amatyc@amatyc.org for assistance.

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<td>Individual Membership - Two years</td>
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<td>Individual Membership - Three years</td>
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<td>Individual Membership - Lifetime</td>
<td>$1,800</td>
</tr>
<tr>
<td></td>
<td>Adjunct Membership</td>
<td>$45</td>
</tr>
<tr>
<td></td>
<td>Retired Membership</td>
<td>$45</td>
</tr>
<tr>
<td></td>
<td>Associate (Students who are not mathematics educators)</td>
<td>$10</td>
</tr>
<tr>
<td></td>
<td>Institutional</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.

B. REGISTRATION

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

<table>
<thead>
<tr>
<th>Check one</th>
<th>Payment must accompany registration form. (Payment must accompany a purchase order.) Fax and Web registration payment must be by credit card.</th>
<th>Make appropriate selection(s) where applicable</th>
<th>Discount Registration 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 LAPSED Member, not renewing at this time</td>
<td>Select meals on p. 17</td>
<td>$475</td>
<td>$515</td>
</tr>
<tr>
<td>D</td>
<td>Registration, Current AMATYC Member, SINGLE-DAY³ Attendee</td>
<td>○Thu ○Fri ○Weekend NO meals included; may purchase meal for day selected on p. 17</td>
<td>$135</td>
<td>$175</td>
</tr>
<tr>
<td>E</td>
<td>Registration, NON-Member⁴ or LAPSED, SINGLE-DAY³ Attendee</td>
<td>○Thu ○Fri ○Weekend NO meals included; may purchase meal for day selected on p. 17</td>
<td>$160</td>
<td>$200</td>
</tr>
<tr>
<td>F</td>
<td>RETIREE⁴ Registration, Current AMATYC Member</td>
<td>NO meals included; purchase meals on p. 17</td>
<td>$180</td>
<td>$220</td>
</tr>
<tr>
<td>G</td>
<td>ADJUNCT Registration, Current AMATYC Member</td>
<td>Select meals on p. 17</td>
<td>$240</td>
<td>$280</td>
</tr>
</tbody>
</table>

¹The First-Time Attendee discount is available ONLY during the Discount Registration period and ONLY to AMATYC members. Deadline to register using this discount: postmark by September 30 (via mail) or October 7 (via web or fax).

²NON-Member rates do not include membership.

³Single-Day Registrations
- Single-day registrations do not include meals. Meals may be purchased on the next page. Single-day registrants may purchase a meal ticket for the meal function (if applicable) for the day selected to attend.
- Single-Day registration materials are available for pick up at the registration counter on the day for which the registration applies.

⁴Retiree registrations do not include meals. Retiree registrants may purchase meal tickets to one or both meal functions.
C. FOOD EVENTS
(Non-Vegetarian includes a meat serving; Vegetarian is a non-meat meal)
Regional Meetings & Box Lunch — Registrant* (full conference or adjunct) Fri., Nov. 16 11:45 am – Noon Included
Select one: □Non-vegetarian □Vegetarian
Awards Breakfast — Registrant* (full conference or adjunct) Sat., Nov. 17 7:45 am – 8:15 am Included
Select one: □Non-vegetarian □Vegetarian
Regional Meetings & Box Lunch — Guest of Registrant, Single-Day Registrant, or Retiree Registrant Fri., Nov. 16 11:45 am – Noon
Select quantity: ______Non-vegetarian ______Vegetarian
Awards Breakfast — Guest of Registrant, Single-Day Registrant, or Retiree Registrant Sat., Nov. 17 7:45 am – 8:15 am
Select quantity: ______Non-vegetarian ______Vegetarian
*If you register for the full conference or adjunct rate and do not make a meal selection, you will automatically be assigned a non-vegetarian meal.

D. DONATION to the AMATYC Foundation
Please consider making a donation to the AMATYC Foundation. Anyone making a donation from January 2018 through the close of registration, Friday, November 16, 2018, or with the conference registration, is eligible to enter the drawings for a complimentary discount member conference registration for Milwaukee (or a three-year membership), a two-year membership, and a one-year membership. Bring your conference receipt to the registration desk for assistance.

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

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

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________________________Expiry 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 14 □Thursday, November 15 □Friday, November 16 □Saturday, November 17
+ + 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:

Disney’s Coronado Springs Resort

American Mathematical Association of Two-Year Colleges (AMATYC)
November 15–18, 2018

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.mydisneygroup.com/amaty2018
Phone: 407.939.4686 (mention AMATYC Conference)
Address: Disney’s Coronado Springs Resort
1000 West Buena Vista Drive
Lake Buena Vista, FL 32830

Note: It is requested that reservations be made via the web.

Hotel Deposit: Individual room reservations must be confirmed and guaranteed by the attendee with a deposit of one night’s room revenue (plus applicable taxes). Should an attendee cancel a reservation, refund of the deposit and/or cancellation fees will be in accordance with our general policy for the Hotel, which is a refund if an individual’s reservation is canceled at least five days prior to arrival. 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.

Reservations received after October 24, 2018, or once room block has been filled, will be confirmed on rate and space available basis. Check-out time is 11:00 am. 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: $159* plus applicable tax $____
Additional Person: $ 15 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 12.5% (subject to change).

On-site Conference Registration

Disney’s Coronado Springs Resort
AMATYC Registration Desk — Central Registration

Wednesday, November 14 ...............................................................4:00 pm - 8:00 pm
Thursday, November 15 ...............................................................7:00 am - 6:00 pm
Friday, November 16 .................................................................7:00 am - 4:00 pm
Saturday, November 17 .............................................................7:00 am - 8:00 am
Saturday, November 17 .............................................................10:00 am - Noon
Getting There
(all prices quoted are subject to change)

Flight Plans
Flights to the Orlando area will arrive at the Orlando International Airport (MCO). MCO is the number one ranked mega-airport for customer satisfaction and continually attracts air service from all over the world.

Airport/Hotel Transportation
With Disney’s Magical Express (DME) service, you will receive complimentary transportation from the Orlando International Airport to Disney’s Coronado Springs Resort and back again! Once you have reserved your room at the Coronado and made your flight arrangements, follow the instructions on your confirmation email to book the DME or call 407.827.6777 to book your Disney’s Magical Express reservation. It is recommended you do this at least 30 days prior to your arrival date. You will receive your DME confirmation letter which will include a map to Disney’s Magical Express at Orlando International Airport and one luggage tag per person in the mail along with instructions. Luggage with the tag will be picked up at the airport and delivered to your room at the resort for any flight arriving between 5:00 am and 10:00 pm. The day before your departure you will receive a Transportation Notice advising you of your motor coach departure time and general departure information. The departure time is based upon your flight departure time and will be 3 to 4 hours prior to your flight departure time.

When on Disney property, guests of Walt Disney World® Resort hotels can take advantage of complimentary bus service to and from all four theme parks, two water parks, Disney Resort hotels, and the Disney Springs® Area.

To make the most of your upcoming Walt Disney World® Resort visit, let My Disney Experience be your guide to innovative online and mobile tools to help plan and share your upcoming visit. It gives you unprecedented control of your experience, making it easy to save time and enjoy your trip with friends, family and colleagues. After purchasing your special Meeting/Convention Theme Park tickets, go to www.StartYourDisneyExperience.com to get started.

Getting Around the Orlando Area
How to get from the Main Attraction to All the Other Attractions
The conference hotel is at Disney’s Coronado Springs Resort, located at Walt Disney World®. The hotel property includes a variety of pools, walking paths, and a health center, so you will have no shortage of opportunities to get in your exercise!

Wandering around the Walt Disney World® Resort is an easy and fun adventure. The conference hotel is connected to all parts of Walt Disney World® via Walt Disney World® transportation, including bus service from the conference hotel to all Disney destinations.

You can also easily drive to any Disney resort destination and other adventures around the Orlando area by car, taxi, Uber, or Lyft, along with the Lynx bus system that covers the Orlando area. Orlando is known for its wide variety of attractions, and while many are located not far from one another, most are not within walking distance. Once at the International Drive area there is a shuttle system called the I-Ride Trolley that moves all along the International Drive and Universal Boulevard areas. For more information, you can access the Lynx bus system website at www.golynx.com or call Lynx at 407.841.LYNX (5969). For the I-Ride Trolley system, the website is www.irdinetrolley.com, or call I-Ride at 407.248.9590. Should you choose to take day trips outside the Orlando area, you may wish to use a rental car.

Conference Housing
The 44th Annual AMATYC Conference begins on Thursday, November 15, 2018, at the headquarter hotel, Disney’s Coronado Springs Resort, located at 1000 West Buena Vista Drive, Lake Buena Vista, FL 32830.

A block of guest rooms at reduced rates has been reserved at Disney’s Coronado Springs Resort until October 24, 2018, 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.

Individual room reservations must be confirmed and guaranteed by the attendee with a deposit of one night’s room revenue (plus applicable taxes). Should an attendee cancel a reservation, refund of the deposit and/or cancellation fees will be in accordance with our general policy for the Hotel, which is a refund if an individual’s reservation is canceled at least five days prior to arrival.

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.

Disney’s Coronado Springs Resort has a southwest theme and surrounds the Lago Dorado, a 22-acre lake. Near Animal Kingdom, the resort is within a 20 minute bus ride of anything located at Walt Disney World®. There are three small pools in addition to the large swimming complex which contains a reproduction of a Mayan pyramid and a 120-foot waterslide. The guest rooms will have been completely renovated within the past year and are extremely nice, with the buildings set amidst the colorful plaza, fountains and courtyards. It is easy to relax after attending sessions.

Parking
Complimentary parking is available to attendees of the AMATYC conference who have booked a room within the AMATYC room block or who are driving to Disney’s Coronado Springs Convention Center for the day.

Roommate Service
Those wishing to participate in the sharing economy and room with one, two, or three other conference attendees should complete the Roommate Network form that can be found on the AMATYC website, www.amaty.org, and by clicking on the “44th AMATYC Annual Conference” link, then the “Roommate Request Form” link found on that page no later than November 1, 2018. You should be notified, within two business days, if your request has been received. If you do not receive such an email acknowledg-
edged, please contact Sarah Miller at smiller10@ccbcmd.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 box lunch and regional meetings and the Saturday morning breakfast.

To qualify for the discount registration rates of $360 member and $475 non-member, **registration forms must be postmarked, if submitted via mail, on or before September 30, 2018. If submitted via the web or faxed, the completed registration form must be received on or before October 7, 2018.** After these dates, registration will continue at the regular registration rate of $400 (member) and $515 (non-member). Registrations sent by mail must be postmarked on or before October 10, 2018, in order to be processed prior to the start of the conference.

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

Every registration form postmarked by October 10, 2018 or faxed by October 18, 2018 will receive an email receipt. If you do not receive an email, contact the AMATYC Office.

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

**First-Time Attendee (FTA) Discount**

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

**Single-Day Registration**

AMATYC offers a single-day registration to accommodate local adjunct faculty and for others unable to attend the entire conference. Those selecting this option must register for and choose **ONE** of the following options: Thursday only or Friday only or Weekend (Saturday/Sunday) only. **This rate may be used only one time and is not eligible for the first-time attendee discount.** For single-day registration rates, see the registration form on page 16.

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

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

**Accepted Forms of Payment**

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

**Exhibitors**

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

**Registration Refund Policy**

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

A refund of 100% of your registration fees less a $25 service fee will be given upon receipt of a written request postmarked by October 31, 2018. A 50% refund less a $25 service fee will be given if the written request is postmarked on or after November 1, 2018, and by November 14, 2018. No refunds for non-attendance will be given for requests postmarked on November 15, 2018, or later. Requests for return of overpayments must be in writing and received by the AMATYC Office no later than December 15, 2018. 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 Box Lunch or Saturday Awards Breakfast. Special function tickets may be purchased for your guests.

**Policy Related to Guests of Attendees at AMATYC Events**

**General Policy**

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

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

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

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

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

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

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, 2018, 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 Orlando.

Special Events

Thursday and Friday

Mini Sessions

This conference introduces a new format: the 23-minute mini session. Two speakers are listed in the same room, speaking back to back, with a five-minute break for a new introduction or to allow you to change rooms to hear a different speaker. On Thursday this takes place from 11:30 am to 12:25 pm, providing the opportunity to visit the food court next to the conference rooms to pick up some lunch while missing less than a half hour of presentations. Friday’s mini sessions are from 2:00 pm to 2:55 pm. Try them out on both days: then give us your opinion about continuing this new format.

AMATYC Forums

Seven forums will be held at this fall’s conference – six on Thursday evening and one on Friday morning. 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.

Final Hearing: Addressing Factors Critical to Student Success

sponsored by the Developmental Mathematics Committee (DMC)
Moderator: Paula Wilhite, DMC Chair
Thursday, 7:00 pm – 7:30 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 math skills, greater self-efficacy, improved self-regulated learning, and increased persistence.

Initial Hearing: Equity in Mathematics

sponsored by the Equity in Mathematics Task Force
Moderator: Benjamin Aschenbrenner, Task Force Member
Thursday, 7:00 pm – 7:30 pm

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

Final Hearing: Best Practices in Employment of Adjunct Faculty

sponsored by the Adjunct Faculty Issues (AFI) ANet
Moderator: Judy King, AFI ANet Leader
Thursday, 8:00 pm – 8:30 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: Mathematics in a Globalized World
sponsored by the International Mathematics (IM) ANet
Moderator: Steve Krevisky, IM ANet Leader
Thursday, 8:00 pm - 8:30 pm
Faculty, administration, and students are being asked to develop more awareness of what other countries do in math education. This would be valuable, so as to learn from best practices of what other countries do. Our goal is to improve the pedagogy in our classes and also bring people together who share in this common goal.

Bylaws Amendment: Delegate Assembly Composition
Moderators: Nancy Rivers, Southeast Regional VP, and Dan Fahringer, Mid-Atlantic Regional VP
Friday, 9:20 am - 10:10 am
This forum seeks input from AMATYC members regarding proposed changes to our AMATYC Bylaws. In particular, the proposed changes would impact the number of state/province delegates and the method by which the number of affiliate delegates is determined.

Thursday

Themed Sessions
The Main Attraction, Thursday, 8:00 am to 10:00 am, will be five Themed Sessions, each consisting of 15-minute talks related to one theme. Speaker changes will be consistent so you can change rooms and themes as often as you like.

The Developmental Mathematics Committee will share the latest information on multiple math pathways used to prepare for and complete college math requirements more efficiently.

The Mathematics and Its Applications for Careers Committee brings us classroom-ready applications from areas such as fire science and automotive technology.

The Placement and Assessment Committee will highlight placement options and data related to student success.

The Statistics Committee will show hands-on activities for such diverse topics as the law of large numbers, health science, and consumer education.

The Math Intensive Committee Themed Session will begin with a random walk through three topics and then from 9:10 am to 10:00 am welcome two speakers from nearby NASA, a math educator and an engineer, who will provide their perspective on why we need problem solvers and critical thinkers in a talk titled "Why, Not What: Critical Thinking for Exploration."

AMATYC 101
Come and have fun while you learn about the AMATYC organization: What is its structure? How can you get involved? What does AMATYC have to offer its members beyond this truly awesome conference? Get to know some of your executive board members as you work on tasks together.

NSF Grants 101 and 102
On Thursday at 12:40 pm, Elizabeth Teles and colleagues from the National Science Foundation provide general information about grants available to AMATYC members. Then at 1:50 pm they will be available to work with you on your own grant proposal.

Affiliate Sharing Session
All current and future affiliate leaders can network, ask questions, share ideas, and learn from each other during this session Thursday at 1:50 pm. Leaders will be Sandra Seifert, FTYCMA president, and Bruce Wahl, VMATYC 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!

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 followed by a series of 30-minute breakout talks.

Friday

Chat & Chew
Join in a fun way to start Friday morning at 8:00 am. Bring your coffee to the popular 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 "The Math of Cyber Security," “Engaging Minorties in Mathematics,” “Open Educational Resources in Statistics Courses,” and “Pi Day Events – Past, Present, and Future” to highlight just a few. A complete listing of speakers and topics will be available on the conference app and in the program.

Symposium: Improving Mathematical Prowess and College Teaching
The Mathematics Standards in the First Two Years of College (IMPACT) Committee is sponsoring this event beginning with a talk about “What is IMPACT?” at 10:20 am, followed by a workshop “Energizing Students to Transform Themselves Through IMPACT” at 2:00 pm. The second workshop, “Make an IMPACT with Research-Based Strategies to Improve Learning” is on Saturday from 10:45 am to 12:25 pm. This committee will partner with the Innovative Teaching and Learning Committee for another session “IMPACT Live” Saturday at 1:05 pm.

Regional Meetings & Luncheon
Get to know the people and activities in your region, and interact with your regional vice president on Friday at 11:45 am while enjoying lunch. Be sure to bring your ticket for lunch.

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

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

Faculty Math League Competition
The FML is a competition based on the Student Math League contests sponsored by AMATYC. The twenty-question multiple-choice exam covering precalculus mathematics will test your problem-solving skills. Compete for individual prizes as well as the traveling Regional Championship Trophy!
Bring your calculator and sharpened pencils to Coronado J at 3:10 pm.

**Academic Committee and ANet Meetings**

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

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

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

**Saturday**

**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 15, 2018. If you are a delegate and have difficulty accessing the packet, contact your regional vice president. If you have a question for the Delegate Assembly and cannot attend the conference, be sure to communicate with your regional vice president prior to the conference.

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

**Exhibits Grand Opening and Dedicated Exhibit Times**

The always exciting Grand Opening of the exhibit area will take place on Thursday afternoon from 3:30 pm until 7:00 pm. Explore the latest textbooks, videos, calculators, software, distance learning courseware, and much more. Meet the exhibitors while finding answers to questions about their new products in order to enter drawings for prizes. Check out which publisher is providing the best treats and meet our surprise guests!

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

**Exhibit Hours**

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

**Dedicated Times**

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

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

**Commercial Presentations**

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

**General Information**

**Weather**

The weather in Orlando is practically perfect year round! November is one of the nicest months of the year with an average high temperature of 78 degrees and an average low of 58 degrees. The sunny days will often feel warm but not as humid as the rest of the year. The evenings cool off and you may wish to have a light jacket or some light layered clothing. While it is rarely cold in Florida in November, there are the occasional cold fronts so it’s a good idea to be ready for almost any kind of weather. You may want to check the local forecast for Orlando before your departure.

**Restaurants**

You’ll have no shortage of dining options throughout the Walt Disney World® Resort and the Orlando area. At Disney’s Coronado Springs resort, several restaurants and cafes offer something for every taste and budget from a hearty breakfast, lunch, or dinner to light snacks and beverages. Of particular note the Maya Grill is a great dinner choice offering Tex-Mex cuisine amid a Mayan-inspired theme. Ventanas serves breakfast and lunch, Café Rix offers breakfast, lunch, and dinner, and Pepper Market is a multi-station food court serving American and Mexican options daily.

Elsewhere in the Walt Disney World® Resort, a multitude of dining options await you at the various theme parks and resort hotels. Several of the Disney resort hotels are known for their fine dining, including California Grill at the Contemporary Resort and Victoria and Albert’s at the Grand Floridian resort. The Grand Floridian also offers daily “high tea” in the afternoon in the Garden View Tea Room. The Polynesian Resort has the wonderful Ohana, a family restaurant where they bring your never-ending dinner straight to your table. At the Wilderness Lodge are Artist Point (dinner only) and the always hilarious Whispering Canyon Café; whatever you do, don’t ask for ketchup!

A short bus ride away is the Disney Springs shopping and dining area, featuring a wide variety of restaurants and cafes, including the amazing Irish pub Raglan Road and Morimoto Asia, featuring dishes from the famed Iron Chef himself! Disney Springs also offers a myriad of shopping and activities, including movies, bowling, and the Characters in Flight balloon ride. For more information
about dining throughout the Walt Disney World® Resort, go to disneyworld.disney.go.com/dining/ or call 407.WDW.Dine (407.939.3463).

In the Orlando area, there are a number of great restaurants. Many are short bus, car, or taxi ride away in the International Drive (I-Drive) area and Sand Lake Road area. These include Vincenzo Cucina Italiana (International Drive area), and The Melting Pot (fondue - West Sand Lake Drive just up I-4 from the WDW area). Also a short ride away is the Mall at Millenia which includes restaurants like The Cheesecake Factory. If you enjoy dinner theatre, you will want to check out the Alhambra Dinner Theatre, Sleuths Mystery Dinner Show, Pirate's Dinner Adventure, Capone's Dinner Show, and the one that started them all, Medieval Mystery Dinner Show, Pirate's Dinner Theatre, Alhambra Dinner Theatre, Sleuths dinner theatre, you will want to check out the one that started them all, Medieval Times Dinner Theater. If you would like the one that started them all, Medieval Times Dinner Theater. If you would like the one that started them all, Medieval Times Dinner Theater.

Don’t forget the many beaches close to Orlando where you can watch the sunrise, sit and relax all day soaking up the Florida sun (remember to use sunscreen), try some surfing, or enjoy the local fresh seafood available everywhere in the beach communities. The best beaches close by include Daytona Beach, Cocoa Beach, New Smyrna Beach, Flagler Beach, Sebastian Inlet, and the Canaveral National Seashore.

Outdoor activities include kayaking on Rock Springs Run, hiking and biking on any of the numerous walking trails in the area including the Seminole-Wekiva Trail and the Black Hammock trail, and swimming at local swimming areas like Rock Springs at Kelly Park and Wekiva Springs. Many locals also enjoy hanging out in the sun at Lake Eola Park in downtown Orlando.

If you enjoy live theater, take in a theatrical show at the Dr. Phillips Center for the Performing Arts, or the SAK Comedy Lab for Improv comedy. Area museums include the Orlando Museum of Art, the Charles Hosmer Morse Museum of American Art, and the Cornell Fine Arts Museum. Architectural buffs can drive an hour to the southwest to the city of Lakeland, home to the Santiago Calatrava designed campus of Florida Polytechnic University and the Frank Lloyd Wright designed campus of Florida Southern College, the largest collection of Frank Lloyd Wright architecture in one place in the world.

There are several major theme parks in the Orlando area which you may want to visit while at the AMATYC Conference. Besides the parks at the Walt Disney World® Resort, you can take a car, bus, or taxi to other area parks including the Universal Studios Orlando resort which includes two great theme parks, Universal Studios Orlando and Islands of Adventure, along with the Volcano Bay waterpark and City Walk entertainment district. Also close to the Walt Disney World® Resort is Sea World Orlando, where your entire family can experience the sea in unique ways and learn about rescue and conservation efforts.

Other area attractions include Ripley's Believe It or Not, Madame Tussaud's Wax Museum, Fun Spot America (one in the International Drive area and the other in Kissimmee), IFly Indoor Skydiving and Gatorland.

Cultural Events and Day Outings

Orlando is a city of many attractions and adventures, including a plethora of outdoor activities. Whether visiting a theme park, other area attractions, any of the various state parks in the Orlando area, the world-famous beaches, or any of the many activities in the area surrounding Orlando, you will find a variety of things to see and do.

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Email/Communications

Complimentary WiFi is available in each guest room booked within the AMATYC block at Disney's Coronado Springs Resort. 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. All public areas at Walt Disney World® are equipped with complimentary WiFi. At Disney's Coronado Springs Convention Center there is a small space with PC workstations and printer available for your use.

Professional Networking/Hospitality Room

Please join us in the Hospitality Room located in Baja which will have snacks, drinks, games, and DisneyTV so you can keep with activities around the entire Disney property. This will be a great place to visit current and former colleagues, meet new friends, explore new adventures with your Orlando area hosts, and grab a few munchies! The members of the Local Events Committee hope you take advantage of all that Orlando has to offer, and we are here to help you find a restaurant, attraction, or entertainment venue for which you are looking. Let us help you enjoy all the attractions and especially the Main Attraction of the AMATYC Conference while visiting the City Beautiful!

Professional Networking/Hospitality Room Hours

Wednesday 4:00 pm - 8:00 pm
Thursday 9:00 am - 3:00 pm
Friday 9:00 am - 11:45 am and 1:30 pm - 4:00 pm
Saturday 10:30 am - 2:00 pm

Milwaukee 2019

Program proposals to present in Milwaukee can be submitted at the AMATYC website, www.amatyc.org, beginning November 1, 2018. 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 Milwaukee is February 1, 2019.
These presentations are open to all registrants at no charge. All commercial presentations are listed in the Conference Program section according to their day and time.

### Cengage

- **C9**
  - The Corequisite Challenge: Nationwide Concerns and Ways to Address Them
  - **Friday**
  - **9:00 am - 10:15 am**
  - Giana Manzi

Join this interactive session to learn what your peers across the country are saying about corequisites, add your voice to the conversation, and get ideas on how to address these challenges.

### Colytix, Inc.

- **C13**
  - Colytix App: Improved Classroom Participation and Student Engagement
  - **Friday**
  - **1:45 pm - 3:00 pm**
  - Lori Silverman

Colytix has developed a user friendly app that allows for real-time assessment of student learning and classroom engagement. App also features measurements of non-cognitive skills needed for student success. The app was created by a community college math professor and a computer scientist who specialized in human-computer interaction and UX.

### Hawkes Learning

- **C8**
  - The Power of a Positive Academic Mindset
  - **Friday**
  - **9:00 am - 10:15 am**
  - Jennifer O'Brien

Mindset has a powerful impact on academic success. What's a positive academic mindset? How can you foster non-cognitive growth? Join Learning Specialist Paul Nolting to learn how to develop lifelong learners and study skills strategies to apply in your classes immediately. **Win one of three $50 Amazon gift cards!**

- **C14**
  - Implementing a Corequisite Course: A Basic How-to Guide
  - **Friday**
  - **1:45 pm - 3:00 pm**
  - Kate Wise

Where should you start when creating your corequisite course? Walk through popular implementation models and strategies and learn about one school's journey to corequisite success. **Win one of three $50 Amazon gift cards!**

### Knewton

- **C11**
  - Curriculum Redesign Using Knewton's alta
  - **Friday**
  - **10:20 am - 11:35 am**
  - Sharon North

In this session, we'll discuss the challenges and opportunities associated with developmental math curriculum redesign, the impact of redesign on choosing course materials, and how adaptive technology such as Knewton's alta courseware supports redesign goals.

### Maplesoft

Maplesoft is conducting the following commercial presentation – C7, Friday, 9:00 am - 10:15 am. The title and description will be included in the conference program.

### McGraw-Hill Education

- **C15**
  - Best Practices on Building a Flexible Co-req Panel Discussion
  - **Friday**
  - **1:45 pm - 3:00 pm**

Remediation does not have to be a linear path for students. Come learn from your peers who are successfully implementing co-reqs using ALEKS. In this panel discussion we will discuss a variety of implementation options and dig into best practices, pitfalls and how to encourage student success.

### Pearson Education

- **C1**
  - Personalized Learning & Preparedness
  - **Thursday**
  - **11:20 am - 12:35 pm**
  - Calandra Davis

Mindset has a powerful impact on academic success. What's a positive academic mindset? How can you foster non-cognitive growth? Join Learning Specialist Paul Nolting to learn how to develop lifelong learners and study skills strategies to apply in your classes immediately. **Win one of three $50 Amazon gift cards!**

- **C10**
  - Teaching Corequisite Courses with MyLab Math and Stats
  - **Friday**
  - **10:20 am - 11:35 am**
  - Stephanie Walker

Explore key areas of consideration when setting up a MyLab Math or MyLab Statistics corequisite course. Learn about product features that may be particularly helpful in a corequisite setting such as Skill Builder, Personalized Homework, Integrated Review, and Study Skills. **Pearson Customer Success is authorized by IACET to offer CEUs for this program.**
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**Orlando 2018**

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**On-site Conference Registration**

- **Wednesday, November 14**  
  4:00 pm - 8:00 pm
- **Thursday, November 15**  
  7:00 am - 6:00 pm
- **Friday, November 16**  
  7:00 am - 4:00 pm
- **Saturday, November 17**  
  7:00 am - 8:00 am
- **Saturday, November 17**  
  10:00 am - Noon

**Central Registration**

- **Wednesday, November 14**  
  4:00 pm - 8:00 pm
- **Thursday, November 15**  
  7:00 am - 6:00 pm

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