

Anaheim Marriott

700 West Convention Way
Anaheim, CA 92802

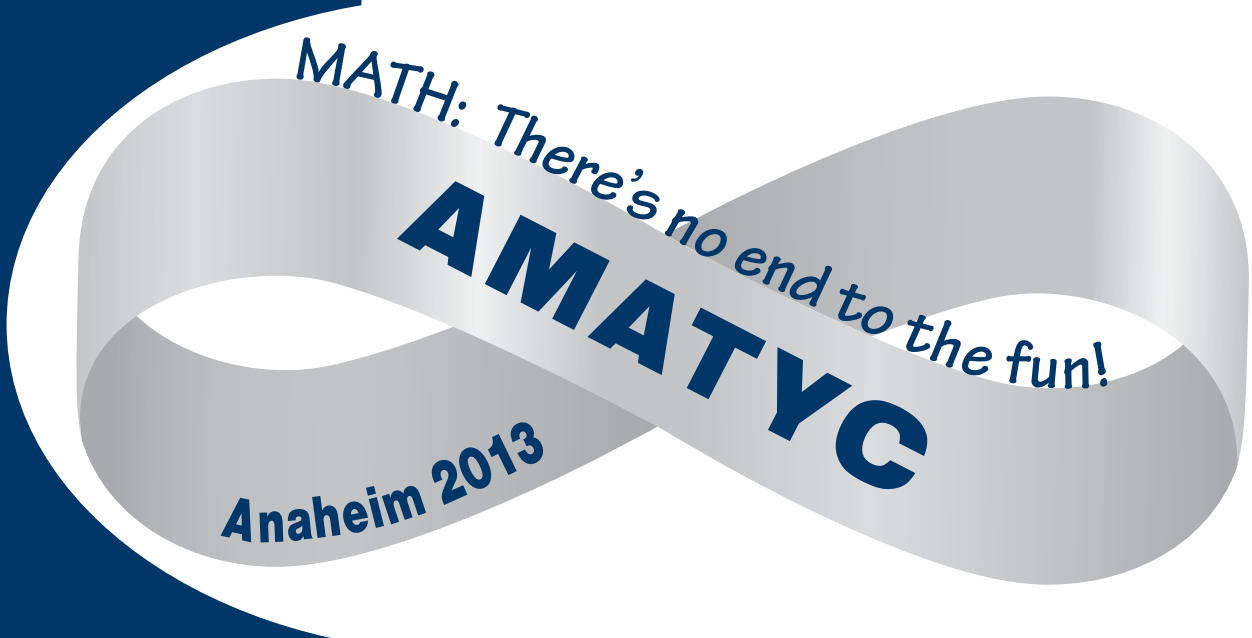
Reservations: 877.622.3056
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American Mathematical Association of Two-Year Colleges

39th Annual Conference Anaheim, California

October 31 – November 3, 2013



Opening Doors Through Mathematics

Hosted by
CMC³ South and
the West Region

Keynote and Breakfast Speakers

Sheila Tobias

Author/Consultant

Victor Piercey

Ferris State University

Math Anxiety: The Last Word

David Masunaga

Iolani School

*It's Only $\frac{1}{(6+1)!} \prod_{k=1}^6 (4k-2)$ Days Until
 π -Day!*

Featured Speakers

Pat McKeague

MathTV.com

Five Minutes to a More

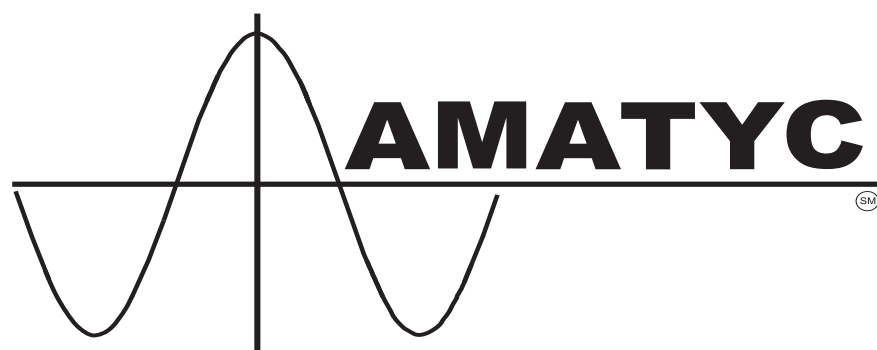
Satisfying Course

Jim Stigler

UCLA

*Teaching as a Lever for Change
in Developmental Mathematics*

Register online at www.amatyc.org



Vision Statement

Opening Doors Through Mathematics

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**

Mission Statement

The American Mathematical Association of Two-Year Colleges (AMATYC) mission is to promote and increase awareness of the role of two-year colleges in mathematics education, and to:

- ◆ Ensure the preparation of mathematically and technologically literate citizens who are capable of making informed decisions, who have skills needed by business and industry, and who will continue to grow in their quantitative literacy;
- ◆ Lead the development and implementation of curricular, pedagogical, technological, and assessment standards for two-year college mathematics education;
- ◆ Offer multiple opportunities for the preparation and continuing professional development of a competent and diverse mathematics faculty skilled in a variety of teaching modalities addressing different learning styles;
- ◆ Provide a forum that facilitates professional networking, communication, policy determination, and action among individuals, affiliates, and other professional organizations; and
- ◆ Communicate the perspectives of two-year college mathematics education to public, business, and professional sectors.

Adopted by the Board on April 12, 2010

American Mathematical Association of Two-Year Colleges

39th Annual Conference ✨ Anaheim, CA

KEYNOTE SPEAKERS



Thursday Opening Session

Sheila Tobias and Victor Piercey

Math Anxiety: The Last Word

Thursday, October 31, 3:00 pm
Platinum Ballroom 5/6



Sheila Tobias introduced the concept of math anxiety and has made an art and a science of being an outsider to science and mathematics. Not formally trained in mathematics or science, she has found a way to get inside the heads of students who have difficulty relating to these subjects. She believes that tests mainly measure performance, not ability, and that “failure at mathematics may be a failure of nerve, not a failure of intellect.” A self-made expert in the field, her many books on math and science anxiety and her many presentations to students and educators have made her name, and the concept of math anxiety, household words. She recently turned her expertise to focus on the pre-algebra college students with her latest book targeting that population and their instructors.

Tobias has served as a consultant to the Alfred P. Sloan Foundation on Professional Science Master’s (PSM) Degree Program and an academic liaison to the National PSM Association. She is supported by the Ford, Rockefeller, Research Corporation, and the Sloan Foundation, where her work has made her a sought-after consultant and speaker on college and university curricula, general education, post-baccalaureate alternatives, professional master’s in science and mathematics, and women’s studies. Educated in history and literature at Harvard/Radcliffe, Tobias earned a master’s in history and an M. Phil. at Columbia University and eight honorary doctorates, the most recent from Michigan State University and Worcester Polytechnic Institute.

Victor Piercey has joined forces with Sheila Tobias to lead the way for another generation of practitioners to help students with math anxiety. While incorporating Tobias’ clinical approach, Piercey takes the issue to the classroom where math anxiety manifests itself as an impediment to learning. Together they offer educators innovative ways to prevent or address anxiety using authentic real-world experiences as a vehicle to teach developmental mathematics. Piercey is also interested in project-based and experiential learning. This Fall he will begin a study on the impact of these instructional modes on math anxiety, eventually examining their role in minority success.

Piercey is Assistant Professor of Mathematics at Ferris State University in Big Rapids, MI, where he teaches a variety of courses including Beginning Algebra, Contemporary Mathematics, Precalculus, and Statistics for the Life Sciences. He is developing courses emphasizing quantitative reasoning with projects for business students. He is also studying student conceptions of variables and implications of computer-based developmental mathematics courses as well as working on an independent study to model a zombie outbreak.

His Ph.D. in Mathematics is from the University of Arizona where he was a graduate assistant from 2006 to 2012 and also was an adjunct faculty member at Central Arizona College. He earned a J.D. in Law from Columbia University in 2000 and worked as an attorney for Weil, Goshal & Manges LLP in New York until 2002. His undergraduate degree from Michigan State University is in Interdisciplinary Humanities with concentration in History, Economics, and Russian.

KEYNOTE SPEAKERS



Saturday Awards Breakfast Session

David Masunaga

It's $\frac{1}{(6+1)!} \prod_{k=1}^6 (4k-2)$ Only Days Until π -Day

Saturday, November 2

Breakfast Served: 7:45-8:00 am (ticket required) * Program: 8:30-10:00 am
Platinum Ballroom 5/6

Although π -Day is an international celebration held on March 14th (i.e. 3-14), this π -fest will reveal some of the oddest facts about π and will help you and your students celebrate π -Day with new perspective year-round! What mysteries do origami, Vladimir Horowitz's piano, and tennis cans have regarding π ? What popular foods have amazing π properties? Can simple square paper-folding exhibit profound aspects of circle geometry?

The number π occurs in many mathematical applications and has forever been an area of fascination. Come and learn about some of the most natural occurrences of geometry and some unusual and rarely discussed properties of π . As students see the ubiquitous nature of geometry in symmetry, they will see it as a unifying concept throughout all of mathematics. Many humorous and off-beat occurrences of π will be uncovered and provide teachers with a wide repertory of perspectives to renew interest in geometry for their students.

Masunaga has numerous national awards for his work in mathematics and mathematics education and was the youngest person to be awarded the Presidential Award for Excellence in Mathematics Education by then President Ronald Reagan in 1985. He fills his precious free time playing the oboe professionally and has played in Carnegie Hall twice, once soloing on the English horn. From 2009-2012, Masunaga served as a director of the National Council of Teachers of Mathematics.

FEATURED SPEAKERS



Pat McKeague

Five Minutes to a More Satisfying Course

Thursday, October 31, 1:50 pm

Do you feel as though you have too many topics to cover in your classes and too little time? In this featured session, Pat McKeague suggests you give yourself a five-minute break and see what can be

accomplished. Invite your students to become community college instructors, share what brought you to mathematics, or provide a view of mathematics that unites culture and disciplines.

After high school, McKeague attended San Fernando Valley State, now Cal State Northridge. In one of those turning points best appreciated from a distance, had he been accepted to dental school, his first career choice, his success story as a math teacher and author would not have happened. Due to the Vietnam War and the fierce competition for graduate school deferments, his dental school plans didn't work out. He attended Brigham Young University where he earned his master's in mathematics in 1971, completing a two year program in eleven months.

In addition to his devotion to math and teaching, Pat has been involved with a variety of organizations in his local community: 4H, the Literacy Council, Friends of the Library, Creative Mediation and others. He has also been a long time sponsor of the San Luis Obispo International Film Festival.



Jim Stigler

Teaching as a Lever for Change in Developmental Mathematics

Friday, November 1, 9:10 am

Cross-cultural and psychological studies are examined to determine what kinds of teaching strategies produce

learning with understanding. Can teaching techniques really make a difference in the challenges faced by the developmental mathematics student? In this featured session Jim Stigler helps us discover new concepts regarding teaching and develop ways to integrate current research techniques into the developmental mathematics classroom.

Stigler is a professor of psychology at UCLA, Director of the TIMSS video studies, and founder and CEO of LessonLab. He received his A.B. from Brown University in 1976, a Masters in Education from the University of Pennsylvania in 1977, and a Ph.D. in Developmental Psychology from the University of Michigan in 1982. Before moving to Los Angeles in 1991, Stigler served eight years on the faculty of the University of Chicago. He has received numerous awards for his research, including a Guggenheim Fellowship in 1989 and the QuEST award from the American Federation of Teachers in 1995.

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 below for this year's featured categories and codes. For the following sessions, attendees are encouraged to bring a tablet or laptop for maximum interaction: S015, S028, S040, S054, S066, S091, and S103.

Thursday 8:00 am - 8:50 am

- S001 Strategies to Increase Connectedness in Online Mathematics Courses (DL, IT, R)**
Sonia Ford
- S002 Accessing Meaning Through Function Stories in College Algebra (MI, R)**
Lauretta Garrett
- S003 Family and Friends Connect: Let's Discuss What's Happening in Anaheim! (G) [Repeated on Friday]**
Carol Murphy
- S004 So You've Decided To Offer a Math Literacy Course. Now What? (CR, D, IS)**
Brian Mercer, Dave Sobbecki
- S005 How to Properly Incorporate Reading Strategies for Mathematics (IS, R)**
Amber H. Rust
- S006 Mathematical Modeling: An Alternative College Preparatory Course (CR, IS, G)**
Rodney Null, Theresa Dahlinghaus, Larisa Russell
- S007 Best Practices of Math Exam Scoring (PA, IS)**
Frank Wilson
- S008 V.E.C.T.O.R. (IT, DL, IS)**
Evan G. Evans, Larry P. Huff
- S009 Teaching Mathematics with E-texts: Its Benefits and Challenges (R, IT, IS)**
Margaret Karrass
- S010 Mysteries and Histories of π (G, H)**
Janet Teegarden
- S011 Success of Online Mathematics (R, IS, DL)**
Lisa Lee
- S012 Using Examples to Demystify Discrete Math Topics (MI)**
Stephen Hayton
- S013 Integrating Math into Introductory Biology (IS, G)**
Melinda R. Camarillo, Violeta Chavez
- S014 Faculty and Administration – A Partnership for Student Success (DI, IS)**
Mark Greenhalgh, Dani Wilson

- S015 Helping Students Understand Difficult Statistics Concepts (ST, IT) [Note: For this session, bring a tablet or laptop for maximum interaction.]**
Jim Zimmer

Thursday 9:10 am - 10:00 am

- S016 Efficacy of Micromessaging on Developmental Math Student Success Rates (IS, D, PA)**
Christine Mirbaha
- S017 Quantitative Reasoning: Meaningful Mathematics for College Freshmen (GE, G, R)**
Gregory D. Foley
- S018 AMATYC 101 (G)**
Bruce Yoshiwara, Kathryn (Kate) Kozak
- S019 When It Comes Out of the Math Attic... (G, H, IS)**
Tom Adamson
- S020 Start to Finish: Classroom Engagement Techniques (IS, MI, G)**
Claire Suddeth, Nancy Pevey

Anaheim Program Key

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

Thursday, October 31

- S021 Using Technology to Engage Students and Enhance Learning in Statistics (ST, IT)**
Roxy Peck
- S022 Developmental Mathematics Designed for Student Success (D, IS)**
Vanessa Hill, Lauren Brewer, Donna Bedinelli
- S023 Developmental Math at the CROSSroads (D, PA, G)**
John Squires
- S024 Alternative Methods for Community College Mathematics Placement (PA)**
Pam Reising, Laura Moore-Mueller
- S025 No Pronouns Please (IS, D, TP)**
Diane Koenig
- S026 Exit to College-Level Math: Measuring An Emporium's Success (CR, PA, D)**
Carrie Quesnell
- S027 Online Homework for Developmental Math: Who Really Benefits? (IS, IT, GC)**
Amy Barnsley, Jane Weber
- S028 Don't Flip Out! Flipping a Liberal Arts Math Class (CR, GE, IS) [Note: For this session, bring a tablet or laptop for maximum interaction.]**
Denise Nunley, Alicia Collins

Thursday 9:10 am - 11:05 am

Themed Sessions

T1 Teaching and Learning in Precalculus, Calculus, and Beyond

- T1A The Mathematics of a Cajón Drum (MI, G)**
Eric Hutchinson
- T1B Enhancing Learning Effectiveness with Collaborative Learning (MI, IS)**
Supawan King
- T1C Student Research Projects in an Honors Precalculus Course (MI, IS)**
Anthony Piccolino
- T1D Applications of Engineering and Science in the Calculus Sequence (MI, G)**
Omar Adawi
- T1E Using College Algebra to Understand Automobile Collisions (MI)**
Alexander Atwood
- T1F A Student's First Journey into Calculus (MI)**
Siham Alfred

T2 Having Fun Engaging Future Teachers in Mathematical Thinking

- T2A "Aha" Math is Soooo Cool! (TP, IS)**
Kendall Jacobs
- T2B Representations of Fractions Using Three Representations of Knowledge (TP, IS)**
Chuckie Hairston
- T2C Fun With Attributes (TP, IS)**
Jane Hammontree

- T2D Where Should I Hide the Prize? (TP, IS)**
Judith Sallee
- T2E Toward the Tutorial System (TP, IS)**
David Tannor
- T2F Preparing Future Teachers to Teach Mathematics (TP, IS)**
Anthony Piccolino

Thursday 10:20 am - 11:10 am

- S029 Pain Relief Medicine for Math (IS, PA, D)**
Pat Riley
- S030 Notable Notes (IS, MI, IT)**
Vanessa L. Coffelt, Jeremy P. Coffelt
- S031 Liberal Arts Mathematics - A Project-based Approach (GE, DL, G)**
Mark Roland
- S032 IGNITE - Fun with Math (G, TP)**
J. Sriskandarajah
- S033 Happily Ever After: Math Meets Storytelling? (D, IS, G)**
Juanita M. Darden-Jones, Lindsay Gold
- S034 MOOCS: What Can Be Learned from Them? Will They Replace Instructors? (CR, IS, G)**
Rob Eby
- S035 Opening the Gate to Higher Education Mathematics (CR, DI, PA)**
Don Ransford, Sabine Eggleston
- S036 Humor and Its Relationship to Mathematics Learning (IS, D)**
Egon Mermelstein
- S037 Dig Deeper - Try Oral Assessments (PA, IS)**
Seth Daugherty
- S038 Principles of Data Analysis (PA, ST, IT)**
Peter Avery
- S039 A Revolutionary Approach to Distance Learning (DL, IS, G)**
Peg Pankowski
- S040 Undergraduate Statistics: Using Bootstrap and Resampling (IS, ST, G) [Note: For this session, bring a tablet or laptop for maximum interaction.]**
Salil Kumar Das, George Perkins

Thursday 10:20 am - 12:20 pm

- W01 More Than Just The Math (IS, D)**
Kelly Jackson, Andrea Hendricks

Thursday 11:30 am - 12:20 pm

- S041 Utilizing Technology to Capture Student Voice in Mathematics (IS, IT)**
Nicholas Shay

Thursday, October 31

- S042 **Unbelievable Improvement in Developmental Course Pass Rates (D, CR)**
Sara Taylor
- S043 **A Mathematician can be a Comedian! (G, D, IS)**
Oiyin Pauline Chow
- S044 **Quantway and Statway: Successful Mathematics Pathways (CR, D, ST)**
Karon Klipple, Cinnamon Hillyard
- S045 **Quantitative Literacy – Developing and Using Messy Problems (GE, IS)**
William G. Steenken
- S046 **From Rabbits to Power Series and Back Again: Fibonacci Polynomials (MI, H, GE)**
Jay Malmstrom
- S047 **The Implementation of a STAT Track at Mott CC (CR, GE, ST)**
Bernard Cunningham, Vasu Iyengar
- S048 **So ... I Really Will Use This? (IS, MI, D)**
Julie Phelps, Jolene Rhodes
- S049 **Integrating and Assessing Student Learning Outcomes (G, PA)**
Kim Tsai Granger
- S050 **Lecture Notes in the Digital Age (IT, IS, TP)**
Donna Gerken
- S051 **Fun with GIS: Applying Mathematics to Digitally Stored Spatial Data (G, GE)**
Robert Lee Kimball, Jr., Michael Miller
- S052 **Increasing and Decreasing Intervals: Where Does the Fun End? (MI, G, H)**
Anne Dudley, Michael Holtfrerich, Josh Whitney
- S053 **Study Skills for Student Success in a Redesign Course (IS, CR, D)**
MaryAnne Anthony-Smith, Lynn Marecek
- S054 **Easy Excel Worksheets for Statistics (ST, IT)**
[Note: For this session, bring a tablet or laptop for maximum interaction.]
James Lapp
- Thursday 12:40 pm - 1:30 pm**
- S055 **Who Uses this Stuff Anyway? (IS, G)**
Britt Alyse Slade, Spencer Ryan Slade
- S056 **Making Waves in Vector Calculus (G, MI)**
John Thoo
- S057 **California Baseball Statistics: There's No End To The Analysis! (GE, ST, G)**
Steve Krevisky
- S058 **Infinite Learning Opportunities in Tutor/Future Teacher Training (IS, TP)**
Lorie DeMarco
- S059 **MATH 911 – SI to the Rescue (PA, DI, IS)**
Yvette Akridge, Deanne Fann
- S060 **How Broomsticks and Skyscrapers Develop Multiplicative Reasoning (IS, MI, R)**
Scott Adamson, Ted Coe
- S061 **Medical Mathematics vs Intermediate Algebra (IS, D, PA)**
Shane Tang, Joe Gallegos
- S062 **Mathematical Applications of Home Brewing (G)**
Alison Schubert, Tom Aydlett, Jay Martin
- S063 **The Beauty of Mathematics in Debussy's Masterful Compositions (G, GE)**
Paula A. Wilhite
- S064 **Do the Math – Expanding A Redesign (D, CR)**
Karen Wyrick, Jennifer Minutolo
- S065 **Infusing Quantitative Literacy (GE, IS)**
Brian Beaudrie, Barbara Boschmans
- S066 **OMG (Oh Math Goodness), Where Are Your Algebra Skills? (MI, IS)** *[Note: For this session, bring a tablet or laptop for maximum interaction.]*
Luke Walsh
- Thursday 12:40 pm - 2:40 pm**
- Q1 **Department/Division Chairs' Colloquium (DI)**
Christine Mirbaha, Sean Simpson
- W02 **Activities That Enhance Proportional Reasoning (D, IS, TP)**
Gary Simundza
- W03 **What Follows Showing Up? Problem Solving! (IS, G, TP)**
Alice Kaseberg
- Thursday 1:50 pm - 2:40 pm**
- S067 **Fun with Computer Assistive Technology – What's Up With That? (IT, CR, R)**
Keturah Johnson, Nathalie Vega-Rhodes
- S068 **Redesigning College Algebra from Traditional to Web-based Delivery (IS, PA)**
Barbara Boschmans, Brian Beaudrie, Dana Ernst
- S069 **Reflective Practice to Improve Instruction (IS, D)**
Douglas Mace
- S070 **The Pre-Transfer Curriculum: An Adaptive Accelerated Model (CR, D, IS)**
Mary Jennings
- S071 **Algebra in a Week: Bridging the Gap for Incoming STEM Majors (D, CR, DI)**
Brittney Gillespie, James Rauff

- S072 **An Adaptive Student-centered Approach to Placement and Remediation (PA, D, CR)**
Andrew Tonge
- S073 **What's Math Got To Do With "Gangnam Style"?**
(G, R, ST)
Jerry Chen, Alexander Atwood, Myung-Chul Kim
- S074 **Five Minutes to a More Satisfying Course (IS, G, D)**
Featured Speaker: Pat McKeague
- S075 **Digital Games to Learn Math! (IT, D, G)**
Dan Petrak
- S076 **Developmental Math Reform in the State of North Carolina (CR, D, G)**
Tammy Bishop, Glynis Mullins
- S077 **The Bottom Line: What's Essential in an Elementary Statistics Course? (ST, IS)**
Barry Monk, William Navidi, Don Brown

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- ST Statistics
- TP Teacher Preparation (preparing teachers of mathematics at any level)

Thursday 3:00 pm - 4:30 pm

Opening General Session

Remarks by

Jim Roznowski, AMATYC President

Speakers: Sheila Tobias and Victor Piercey

Math Anxiety: The Last Word

Thursday 4:30 pm - 7:30 pm

Grand Opening of the AMATYC Exhibits

Thursday 5:00 pm - 6:00 pm

Reception for First-Time Attendees

Everyone attending an AMATYC conference for the first time is invited. If this is your first conference, please check the box at the top of the registration form. Come and get acquainted with your colleagues and with AMATYC.

Thursday 7:00 pm - 8:30 pm

AMATYC Forums

(see page 22 for complete description)

7:00 pm - 7:30 pm

Initial Hearing on the Position Statement on The Appropriate Use of Intermediate Algebra as a Prerequisite Course

Moderator: Linda Zientek, Chair,
Developmental Mathematics Committee

7:30 pm - 8:00 pm

Initial Hearing on the Position Statement on The Academic Preparation of Mathematics Faculty at Two-Year Colleges

Moderator: Jim Roznowski, AMATYC President

8:00 pm - 8:30 pm

Discussion on Proposed By-law Revisions and the AMATYC Regional Structure

Moderator: Jane Tanner, Northeast Vice President



Friday, November 1

Friday 8:00 am - 8:50 am

- S078 **Mobile Learning – Math Courses as Apps! (IT, DL, CR)**
Oiyin Pauline Chow
- S079 **Concept Maps: How To Assess Students' Understanding With Them (PA, IS, R)**
Rebecca Metcalf
- S080 **Teaching Math to Students With Visual Impairments (IS, G, IT)**
Gaeir Dietrich, Barbara Illowsky
- S081 **Activate Your Calculus Students! (IS, MI, TP)**
Diane Koenig
- S082 **Using Simulation Methods in Introductory Statistics (ST, IT, GE)**
Patti Frazer Lock
- S083 **Close Encounters with Classics II (H, G, D)**
Tom Carson
- S084 **Changing the Culture: Combat the Assault on Critical Thinking (CR, IS, G)**
Anne Magnuson, Alison Schubert
- S085 **Enhancing Student Learning Through Error Analysis (IS, PA)**
Joan Zoellner
- S086 **Undergraduate Mathematics Research From Across the Pond (R, GC, GE)**
Irene M. Duranczyk
- S087 **Teaching Principles: A New Way of Thinking In Liberal Arts Mathematics (GE, IS, G)**
Tom Pirnot
- S088 **Faculty Collaborations to Scale Up Innovative Teaching Across Colleges (CR, D, DI)**
Thomas Carey, Anna Bakman, Susan Vo
- S089 **Calculus Students Teaching Calculus: A Service Learning Experience (IS, CR, PA)**
Melinda Rudibaugh
- S090 **Family & Friends Connect: Let's Discuss What's Happening in Anaheim! [Encore] (G)**
Carol Murphy
- S091 **Financial Literacy Projects for Finite Mathematics (GE, IT) [Note: For this session, bring a tablet or laptop for maximum interaction.]**
Helen Mirtova

Friday 8:00 am - 9:30 am

- C7 **Pearson Education: Best Practices for Utilizing the Homework/Test Manager**
Irene Doo

Friday 8:00 am - 10:00 am

- W04 **A Student-centered Approach to College Algebra (CR, IT, MI)**
Scott L. Peterson, Peter Banwarth, Mary Beisiegel, Keith Schloeman
- W05 **Multiplying Effectiveness: Interweaving Math & Student Success Courses (D, CR, IS)**
Connie Richardson, Nancy K. Stano

Friday 9:10 am - 10:00 am

- S092 **Transformations, Tessellations, and Smartphones (TP, IT, G)**
Connie McLean
- S093 **A Slip Down the Rabbit Hole: The Alternative World of Assessments (PA, IS, G)**
Juanita M. Darden-Jones
- S094 **The Transfer of Critical Thinking Skills from Math to the Real World (IS, D, CR)**
John Coburn
- S095 **Lessons Learned from a First Mathematical MOOC (D, CR, DL)**
Jon Anderson, Keith White
- S096 **Mathematics and the Human Experience (G, H, TP) [Repeated on Sunday]**
Gary Rockswold
- S097 **Teaching as a Lever for Change in Developmental Mathematics (IS, D)**
Featured Speaker: Jim Stigler
- S098 **The Eureka! Experience – Instructional Techniques that Encourage It (IS, TP, D)**
Alan Tussy
- S099 **The Fun Never Ends with Circles (MI, G)**
Mark Dugopolski
- S100 **Yes! Having Fun Promoting Critical Thinking! (TP, GE, IS)**
Mark Kuhlman, Kendall Jacobs
- S101 **Zooming in on Global Math Education: There's No End to the Fun! (GC, R, G)**
Steve Krevisky, Barbara Leitherer, Tamara McColgan, Fary Sami
- S102 **Jump Start Your Students with a Summer Bridge Program (D, IS, CR)**
Anne E. Edlin, Patty Voigt
- S103 **Using Mathematics to Teach Financial Literacy (IS, GE, G) [Note: For this session, bring a tablet or laptop for maximum interaction.]**
Amber Mellon

Friday 9:10 am - 11:05 am

Themed Session

T3 Pathways to Success in Teaching and Learning Statistics

- T3A Implementing GAISE in the Introductory Statistics Classroom (ST, IS)**
Roxy Peck
- T3B Prerequisites for Introductory Statistics: STEM vs Non-STEM or Both? (ST, PA)**
Lynette Meslinsky, David Usinski
- T3C Contextualizing Traditional Algebra Topics for a Pre-Statistics Course (ST)**
Mary Kehoe Moynihan
- T3D Effective Selection and Use of Technology in Statistics (ST, IT)**
Mary Triola
- T3E A Brief Introduction to Some Philosophical Principles of Statistics (ST, G)**
Brian Smith
- T3F Using the Bootstrap Method in Estimation (ST, IT)**
Michael Sullivan

- S111 Improve Teaching by Assessing Learning During Every Class Session! (PA, IS, G)**
Kim Tsai Granger
- S112 Reform at Scale: Lessons from the Dana Center's New Mathways Project (DI, CR, D)**
Philip (Uri) Treisman, Amy Getz
- S113 The Tutor – Teacher Connection (DI)**
Ruth Feigenbaum, Kaat Higham, Madhvi Shah
- S114 A Qualitative Best Practices Study Using Quantitative Data (R, D)**
Colleen Bye, Keith White
- S115 Results of a Research Study: College and Career Ready, Fact vs Opinion (CR, DI, R)**
Robert Lee Kimball, Jr., Lisa Seidman, Wade Ellis, Sol Garfunkel, Marc Tucker
- S116 Creating PBL Courses for Mass Delivery (MI, IS, IT)**
Ruth Trygstad, Shane Tang
- S117 Sharing Session: Linking Math Courses and the Work Force (G, GE)**
Ned W. Schillow

Friday 9:45 am - 11:15 am

- C10 Pearson Education: Best Practices for Utilizing the Gradebook**
Irene Doo
- C12 Maplesoft: The Mobius Project: Mathematics Everywhere**
Jonny Zivku

Friday 10:20 am - 11:10 am

- S104 MOOCs, OER, Online Learning ... Aren't They All the Same? (DL, IT, CR)**
Barbara Illowsky
- S105 Collaborating Learning in Developmental Math Classrooms (D, CR)**
Joey Offer, Julie Kostka
- S106 Reengaging Students: A Look Inside One Formative Assessment Strategy (PA, TP)**
Valerie L. Mills
- S107 Stop the Zombie (Calculator) Apocalypse (MI, IS, G)**
Jeremy P. Coffelt, Vanessa L. Coffelt
- S108 NADE: A Resource for Responding to Calls for Innovation (D, CR)**
Linda Thompson
- S109 Fun and Belief Magnetized: Motivating the Mathematically Challenged (D, IS, G)**
Damon Givehand
- S110 An All ACCCESS Pass (G)**
Christy Hediger, Tammy Louie

**Friday 10:30 am - 11:45 am
and 2:00 pm - 4:45 pm**

**Product Presentations by
AMATYC Exhibitors
Exhibit Hall**

Exhibitors will conduct 30-minute product presentations in the Exhibits Area. The titles, descriptions, and speakers will be given in the conference program and displayed in the Exhibit Hall. Check which companies will be presenting and which new products will be demonstrated. Plan to attend one or all.

**Friday 11:10 am - 11:55 am
and 1:30 pm - 2:00 pm**

Dedicated Exhibit Time

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

Friday Noon - 1:30 pm

Regional Meetings* & Luncheon

Northeast - Jane Tanner	Mid-Atlantic - Chris Allgyer
Southeast - Annette Cook	Midwest - Jim Ham
Central - Nicole Lang	Southwest - Kate Kozak
Northwest - Stefan Baratto	West - Bruce Yoshiwara

Lunch Served: Noon - 12:15 pm

✦ **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 2:00 pm - 2:50 pm

- S118 **These Are A Few Of My Favorite (Free) Things! (IT, IS, D)**
Rebecca Schantz
- S119 **How Cubic Equations, and Not Quadratic, Led To Complex Numbers (G, H)**
John Thoo
- S120 **Factoring in (Dis)abilities in Math Classrooms (IS)**
Barbara Johnson, Keri L. Rodgers
- S121 **Authentic Problem Solving in a Developmental Pathways Course (D, IS, CR)**
Kathleen Almy, Heather Foes
- S122 **Bringing New Life to Your Developmental Mathematics (CR, D, G)**
Jack Rotman
- S123 **More Teaching Strategies for Infinite Series in Calculus (MI, IS)**
Robert Cappetta
- S124 **Money Talks (GE, IT, G)**
Julie Miller
- S125 **Baseball and Mathematics (G, R, GE)**
Marvin Bittinger
- S126 **Statistic Textbooks: Boldly Going Where No Student Has Gone Before (ST, IT, IS)**
Robert Gould
- S127 **Integrate Historical and Multicultural Activities in Liberal Arts Math (H, GE, GC)**
Anthony Piccolino
- S128 **Grant Work in AMATYC's Future (G)**
John Pazdar
- S129 **Fibonacci in Finance (GE, G)**
Ted Koukounas
- S130 **Due to a conflict S130 has been moved to Saturday at 1:15 pm**

Friday 2:00 pm - 3:30 pm

- C13 **Pearson Education: Custom Question Builder – Getting Started**
Irene Doo
- C14 **Pearson Education: Strategies for Customizing the Learning Environment**
Diane Gray
- C15 **Hawkes Learning Systems: How Far Will You Go for Student Success?**
Anthony Belen

Friday 2:00 pm - 4:00 pm

- PS1 **AMATYC Poster Session: In the Classroom and Beyond (See page 10 for a list of posters.)**
- W06 **Blended Learning and Google+ (IT, DL, IS)**
Evan G. Evans, Larry P. Huff
- W07 **Take a Chance on Math! Probability for Preservice Elementary Teachers (TP, ST, GE)**
Andy D. Jones, Joanne O. Weinberg

Friday 3:10 pm - 4:00 pm

- S131 **Mathematics of Flight (G, GE)**
Jeff Mankowski
- S132 **(Misconceptions)² (D, PA, IS)**
Peter Wildman, Greg Cripe
- S133 **Fun Activities to Meet the Challenges of Beginning Algebra Students (D, IS, G)**
Mark Clark, Cindy Anfinson
- S134 **Real-World Engineering Problem-Solving in the High School Curriculum (G, R)**
Fary Sami, Supawan King
- S135 **Charter a Mu Alpha Theta Chapter at Your College (G, DI)**
Paige Feibelman
- S136 **The Long Ignored Edge of the Coin (G, GE)**
Joseph Browne
- S137 **CSI Statistics: Statistics and Crime (ST, MI, IT)**
Marty Triola
- S138 **STEM Center 411 (G, DI)**
Cathey Jordan
- S139 **Brain Bugs: Neuroscience Perspectives on Math Learning (R, IS, D)**
Jennifer Park
- S140 **Mathematics and the Age of Reason (H, GE, G)**
David Price, Elise Price
- S141 **Q: What Do You Get When You Cross a Traditional with Online? (DL)**
Andreana M. Grimaldo
- S142 **Faculty Math League (MI, G)**
Steve Blasberg, Susan Strickland

POSTER SESSION

Friday, November 1 ♦ 2:00 pm - 4:00 pm
Check the Conference Program for descriptions.

- P1 Using Clickers in a Developmental Math Classroom (D, IT)**
Jennifer Applebee
- P2 Engaging Online Students (D, DL, IT)**
Mariano Arellano
- P3 Writing in the Mathematics Classroom (D, MI, IS)**
Leslie Banta
- P4 Teaching a True Hybrid Class (CR, DL IS)**
Heather Barker
- P5 Math Study Skills Program Pilot for Developmental Math Classes (D, IS)**
Jessica Bernards, Mark DeSmet
- P6 Self-Efficacy as an Indicator of Student Success (D, PA)**
Mike Bostick
- P7 Day One Assessment of Calculus Students (IS, PA)**
Elizabeth Brown, Robby Wieler
- P8 Assessing Students' Calculation Work & Level of Algebraic Proficiency (PA, R)**
Joan Erickson
- P9 Thinking Beyond the Basics: Activities to Improve Understanding (IS)**
Jennifer Gorman, Christopher King
- P10 Stop the Monotony of the Classroom: Engage the Net Generation (DL, IT)**
Anahu Guzman, Samantha Mellone
- P11 Successes in Activity-based Learning (CR, D, IS)**
Joshua Hammond
- P12 Redesigning Developmental Lessons on Writing and Graphing Equations (D)**
Andrea Hoagland
- P13 Using Canvas & Other Tools to Improve Student Success and Study Skills (IS, IT, MI)**
Johnny Hu
- P14 (Mobile) Applications in the Mathematics Classroom (IT)**
Jesse Kiefner
- P15 Math Refresher Bootcamp: Placement Test Assistance (D, PA)**
Eliza Lee
- P16 Organizing the First Campus-Wide Amazing Math Race and Lessons Learned (G, GE, MI)**
Qiao Liang
- P17 Possible Rational Zeros of a Polynomial (IS)**
Padmal Mahawanniarachchi
- P18 Success Can Be Taught (G)**
Meghan McIntyre
- P19 Developmental Mathematics – Ten Tests to Success! (D, IS, GE)**
Sarah Miller
- P20 Not Your Mother's Engagement (IS)**
Brittany Mosby
- P21 Brock's Theorem: An Alternative to the Binomial Theorem (GE, MI)**
Benjamin Moulton, Brock Brown
- P22 Increasing Success Rates in Algebra Courses: A New Approach (CR, D, GE, IS)**
BK Mudunuri
- P23 Writing in Developmental Math (D)**
Jennifer Nohai-Seaman
- P24 Innovative Thinking in Everyday Math (GE, IS)**
Jon Oaks
- P25 Completion Forms to Increase Success Rates in Developmental Math (D, IS)**
Michael Pemberton
- P26 Smart Worksheets: Contextualized Remediation with QR Code Architecture (D, IS, IT)**
Lawrence Perez, Patrick Quigley
- P27 Homework: Participation May Vary (D, G)**
Matthew Pragel
- P28 The Success of Project-based Assessment in Developmental Mathematics (D)**
Lisa Sallee
- P29 Joining a Counselor and Developmental Math Redesign: A Project Report (CR, D, G)**
Nancy Shaw, Aggie Harrell
- P30 Enhancing the Math Resource Center (DI)**
Elizabeth Steen
- P31 Introducing Continuity and Limits in Precalculus (G, IS, MI)**
Elaine Terry
- P32 Discovering the Art of Mathematics: Inquiry-based Learning (CR, GE, IS)**
Christine von Renesse, Julian Fleron
- P33 A Study of Progression and Retention After Redesign (CR, D, IT)**
Mary Wolfe
- P34 Effects of Mastery & Project-based Instruction on Attitude & Performance (CR, D, IS)**
Steven Zollinger
- P35 Teaching Statistics to Students with LD: A Novel Visual Approach (ST, R, IS)**
Frank Klucken



Anaheim Marriott/Photo Courtesy of the Anaheim Orange County VCB

Friday 4:15 pm - 5:15 pm

Committee Meetings

Division/Department Issues
Teacher Preparation

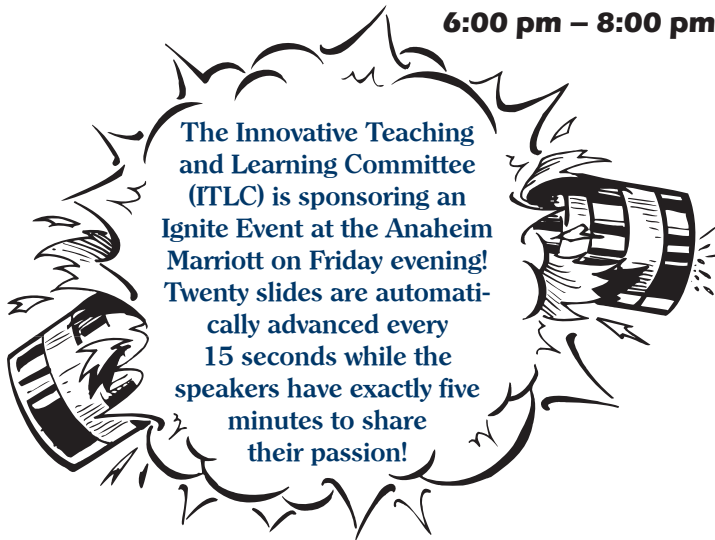
Friday 4:15 pm - 5:45 pm

Committee Meetings

Developmental Mathematics
Innovative Teaching and Learning
Mathematics for AAS Programs
Mathematics Intensive/College Mathematics
Placement and Assessment
Research in Math Education in Two-Year Colleges
Statistics

Ignite Event

6:00 pm – 8:00 pm



Wireless High-Speed Internet Service (WiFi)

Complementary WiFi will be available in all guest rooms booked in the AMATYC block of rooms.

Saturday 7:45 am - 10:00 am

Saturday Awards Breakfast Session

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

Presentation of Awards

Jim Roznowski, AMATYC President

Speaker: David Masunaga

$$\text{It's } \frac{1}{(6+1)!} \prod_{k=1}^6 (4k-2) \text{ Only Days}$$

Until π -Day

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

- S143 **Learner-centered Teaching: Take It to the Next Level (IS, D, R)**
Anna Butler, Penny Morris, Richard Leedy, Jim Rhodes
- S144 **Strategies that Engage Adjunct Faculty in Developmental Math Reform (R, DI, CR)**
Helen E. Burn
- S145 **Time to Engage! (IS, D, DL)**
Andrea Hendricks, Oiyin Pauline Chow, Kelly Jackson
- S146 **Fractions: Addressing a Stumbling Block for Developmental Students (D, IT)**
Wade Ellis
- S147 **Active Learning and Student Success in The New Mathways Project (IS, TP, D)**
Thomas J. Connolly, Lucy H. Michal, Julie Phelps
- S148 **Two Paths Through Developmental Mathematics? (CR, D)**
Erin Wilding-Martin, Brian Mercer
- S149 **That Flipping Algebra Class (CR, IT, G)**
Ellen Turnell
- S150 **Cocktail Party Calculus: Collaborative Writing in Mathematics (PA, MI)**
Keith Nabb
- S151 **Comparison of American and Chinese Basic Math Education (GC, IS, D)**
David Liu

Saturday, November 2

- S152 **Open Course Library Project: Free Online Texts for Algebra to Calculus (IT, MI, DL)**
Dale Hoffman, Melonie Rasmussen, David Lippman
- S153 **Understanding the Developmental Education Student (D, TP, IS)**
J. F. (Joe) Agnich
- S154 **Chaos Games and Fractal Movies (G, MI)**
Robert L. Devaney
- S155 **Professional Development: Design on a Dime (DI, IS)**
Laurice Garrett, JoAnn Lewin, Sabine Eggleston
- S156 **Affiliate Sharing Session (G)**
Sherri Wilson, Maggie Flint
- S163 **MyMathText – A FREE LMS For Both Students and Instructors (IT, CR, ST)**
Robert Knight, Barbara Illowsky
- S164 **Guiding Students to Mathematical Proficiency: From Theory to Practice (IS, R, D)**
John T. Smith
- S165 **Make Class Time Count in a Flipped Classroom (IS, CR, IT)**
David Graser
- S166 **Join the Joyful Conspiracy (CR, D, IS)**
Bernadine Chuck Fong, Philip (Uri) Treisman
- S167 **Take-Charge Strategies for Test Taking – Before, During, and After (IS, G, TP)**
Cheryl Ooten

Saturday 10:45 am - 12:15 pm

- C17 **Pearson Education: MyMathLab: A New Generation**
Diane Gray
- C18 **Hawkes Learning Systems: Mastering Math, Not the System**
Jen Moore
- S168 **Developmental Math Redesign with Individualized Study Plans (CR, D)**
Terry Krieger
- S169 **Flip the Switch! (IS, D, TP)**
Teresa Sutcliffe

Saturday 10:45 am - 12:45 pm

- W08 **Coping With Math Anxiety in College: From Research to Relief! (IS, D, R)**
Fred Peskoff, Leonid Khazanov
- W09 **Statway – Teaching Difficult Topics in Statistics (ST, R, IS)**
Scott Guth, Rachel Mudge, Andre' Freeman

- S170 **M A T H: Math Adjuncts Try Hard (DI)**
Judy King, Judy Giffin

Saturday 1:00 pm - 2:30 pm

- C20 **Pearson Education: Course Redesign – Before and After**
Diane Gray

Saturday 1:15 pm - 2:05 pm

- S130 **Math Intensive Sharing Session (MI, CR, PA)**
Sandra Poinsett, Robert Cappetta, Scott Peterson
- S171 **Inquiry-based Learning in General Education Mathematics (GE, IS)**
Christine von Renesse, Julian Fleron
- S172 **Theoretical and Simulated Experiments for the Law of Large Numbers (ST, IT)**
Dale K. Nelson
- S173 **Thinking Critically About Critical Thinking (IS, G, PA)**
Dave Sobecki
- S174 **Mathematical Thinking – Without the Numbers (G, GE, IS)**
James R. McDonald
- S175 **Interventions to Reduce Attrition in Precalculus (IS, G)**
James Martin, Beth Tsai
- S176 **Close the Assessment Loop; Give Common Questions, Analyze, and Discuss (PA, R)**
Caroline Goodman, Bill Robinson

Committee Meeting 2014 Conference Planning

Saturday Noon - 12:50 pm

- S157 **Rising Above the Redesign Madness (CR, D, R)**
Hala Nestberg
- S158 **Getting the Most Out of Online Homework (IS, D)**
George Woodbury
- S159 **Incorporating the Standards for Mathematical Practice with Rich Tasks (IS, TP)**
Linda Gojak
- S160 **An Exciting Mathematical Reasoning Course – Quantway (D, GE, PA)**
Kinga Oliver, Craig Birkemeier
- S161 **Tech-Math Pathway in North Carolina's Curriculum Improvement Project (CR, DI, G)**
Sharon Welker, Suzanne Williams
- S162 **Starting a STEM Club? (G, GE, MI)**
Linda Laine

Saturday, November 2

- S177 Innovative Use of Technology: Virtual Calculus Tutors (IT, MI, DL)**
R. Howard Henley
- S178 More on Predicting Success (PA, D)**
Dan Kernler, Kristen Campbell
- S179 Curve Fitting in Algebra = Great Preparation for Statistics (IS, ST, D)**
Jay Lehmann
- S180 Using Statistics to Know and Nurture Our Planet (ST, G, IS)**
Nancy Pfenning
- S181 Escaping to *Flatland* (G, GE, IS)**
Joyce Menges
- S182 Common Testing – An Open Discussion (PA, DI)**
John Bakken, Evan G. Evans
- S183 Is the Association for Women in Mathematics (AWM) Still Relevant? (G)**
Magnhild Lien
- S184 A Modified Emporium Model: Bridge to College Math (CR, D)**
Jessica Lickeri, Beth Barnett, Katherine Struve
- S192 Using Rich Problems to Develop Deep Understanding (IS, D, G)**
Dennis Ebersole
- S193 Using Mistakes to Improve Understanding (IS, D)**
Laura Bracken
- S194 Making Sense out of Statistics (ST)**
Jason Samuels
- S195 Improving Teaching and Learning in Pre-College Math Via Peer Coaching (DI, D, IS)**
Constance Calandrino
- S196 Open Textbooks and Open Technology Resources: Flexible and Free (IT, DL, G)**
Roy Shahbazian, Dahlia Vu, Darlene Diaz
- S197 Promoting Peer Learning in an Emporium-Style Classroom (IS, CR, D)**
Curtis Mitchell, Jim Cochran
- S198 Don't Like the Text? Write Your Own! (G, CR, D)**
Mary M. Roberson

Saturday 1:15 pm - 3:15 pm

- W10 Angle Over Distance: Strategies in Umpiring Two-Year College Baseball (G, GE, MI)**
Chris Oehrlein

Saturday 2:30 pm - 3:20 pm

- S185 Beyond the Classroom - Technology for Faculty and Student Support (IT, IS, TP)**
Alan Bass
- S186 Identifying Crucial Mathematics Concepts and Skills for Course Success (R, PA)**
Alison Ahlgren Reddy, Marc Harper
- S187 Core to College (CR, D, DI)**
Carren Walker, Debra Schneider
- S188 Introducing Reasoning and Sense Making to Pre-Service Teachers (TP, IS)**
Daniel Ilaria
- S189 Teaching Statistics in the 21st Century – Advantages and Potholes (ST, G, IT)**
Krystyna Karminska
- S190 See You on the Flip Side – What to Expect When Inverting a Class (IS, IT)**
Kevin Bodden, Randy Gallaher
- S191 Data, Functions, and Understanding: Function's First Algebra (IS)**
Michael Huff

Saturday 4:00 pm - 6:00 pm

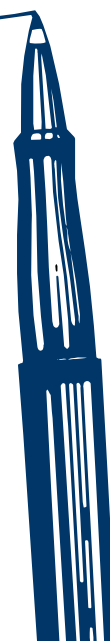
Delegate Assembly

Delegates are to be seated by 3:45 pm

- The delegate packet will be made available online for review at www.amatyc.org on September 30, 2013. If you are a delegate and have difficulty accessing the packet, contact your regional vice president.

write it down

In Anaheim the AMATYC Program Committee is excited to offer a breakout room for conversations among colleagues. If there is a topic you would like to discuss, reserve a session time on Thursday, Friday, or Saturday by signing a grid. The grids will be available at the registration area on Wednesday and will be moved to the designated rooms Thursday morning. Initiate a meeting or check to see if there is a topic that interests you. During the conference, if you want more time to discuss the ideas presented in a session, suggest a follow-up in the "impromptu room."



Sunday 8:15 am - 9:05 am

- S199 **Leveraging Digital Media for New Approaches to Developmental Math (D, CR, IT)**
Terri Rowenhorst, Linda Sue Hoops, Shana Neeley
- S200 **A New Unit Circle Teaching Device (CR, IS, R)**
David Caliri
- S201 **How to Encourage Professional Development Among Adjunct Instructors (DI)**
Jon Oaks
- S202 **Dishin' Up A Plate Full of Trig (IS, MI, PA)**
Michelle (Shelly) Ray Parsons
- S203 **Constant vs Coefficient? Changing the Question to Change Assessment (PA, IS)**
Laurie K. McManus

Sunday 9:25 am - 10:15 am

- S204 **What? How? Why? Getting Students to Think Beyond Procedures (R, IS)**
Linda Leckrone, Vilma Mesa
- S205 **Mathematics and the Human Experience [Encore] (G, H, TP)**
Gary Rockswold

- S206 **Redesign Implementation: Strategies for Teaching in a New Environment (CR, D, IS)**
James Hedges
- S207 **Design Online College Algebra with Students in Mind (DL, IS, MI)**
Sandra Fital-Akelbek
- S208 **Math and College Success Skills (D, CR, DI)**
Wendy Cook, Sarah Dicalogero, Nicole Walker, Libby Watts

Sunday 10:30 am - 11:15 am

Closing Session
Jim Roznowski, AMATYC President

- ✦ Conference wrap-up
- ✦ Report on Delegate Assembly actions
- ✦ Opportunities to get more involved in AMATYC
- ✦ Preview of next year's conference in Nashville
- ✦ Passing the Gavel
- ✦ Adjournment



Anaheim GardenWalk/Photo Courtesy of the Anaheim Orange County VCB

American Mathematical Association of Two-Year Colleges

39th 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.
Call the AMATYC Office at 901.333.6243 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" (S018) and the reception for first-time attendees. If you qualify, see registration categories B, G, H, I, or J on the next page.

<p>Name _____ Please type or print legibly.</p>	<p>Will you be bringing a Guest(s)? (See page 20 for eligibility.) Please type or print guest's name as it should appear on name badge.</p>
<p>For Name Badge _____</p>	<p>_____</p>
<p>Member ID# _____ See membership card or mailing label (if member).</p>	<p>_____</p>
<p>Preferred mailing address is: <input type="checkbox"/> College/Institution <input type="checkbox"/> Home</p>	
<p>College _____</p>	<p>Residence Address _____</p>
<p>College Address _____</p>	<p>_____</p>
<p>City _____ State _____ Zip _____</p>	<p>City _____ State _____ Zip _____</p>
<p>College Telephone(_____) _____</p>	<p>Residence Telephone(_____) _____</p>
<p>Email Address _____</p>	

- Check here if you wish to be excluded from the AMATYC Directory. Check here if you wish to be excluded from any non-AMATYC mailing lists.

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

Registration Method	Discount Registration	Regular Registration	On-Site Registration
MAIL using check or credit card (payment must accompany purchase order).	Registration AND payment must be postmarked by September 30, 2013.	Registration AND payment post-marked after September 30.	Registrations sent by mail must be postmarked by October 10, 2013. After this date it will be necessary for attendee to bring form and payment with them and register on-site.
ONLINE using a credit card (this option will remain open until noon, Saturday, November 2)	Registration AND credit card information must be completed by October 7, 2013.	Registration AND credit card information completed after October 7.	
FAX to 901.333.6251 using a credit card	Registration AND credit card information must be completed by October 7, 2013.	Registration AND credit card information completed after October 7.	Please do not fax form and credit card information after October 21. It will be necessary for attendee to bring form and payment with them and register onsite.
IN PERSON using cash, check, or credit card	Not applicable	Not applicable	Register in person on-site and pay regular rate.

Purchase Orders and Receipts: AMATYC accepts a purchase order **ONLY** if it is accompanied by payment. Every registration form received in the AMATYC Office or completed online will receive an email receipt. If you do not receive an email receipt, contact the AMATYC Office.

Refund Policy: A refund of 100% of your registration fee less a \$25 service fee will be given upon receipt of a written request postmarked by **October 16, 2013**. A 50% refund less a \$25 service fee will be given if your written request is postmarked on or after October 17, 2013, and by October 30, 2013. NO refunds will be given for requests postmarked on or after October 31, 2013. NO refund will be given for membership dues. Requests for return of overpayments must be in writing and received by the AMATYC Office no later than December 15, 2013. 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.

If you have any questions, please contact the AMATYC Office at 901.333.6243 or by email at amatyc@amatyc.org.

Send completed registration form with payment to
AMATYC, 5983 Macon Cove, Memphis, TN 38134

Continue to next page →

A. REGISTRATION

Persons with current AMATYC membership (expiration of 11/30/13 or later) are eligible to use Categories A, B, or Q. Individuals who join or renew their membership with conference registration are eligible to use Categories C–J or M–P. Registrants who select Category A, B, or Q, but whose membership cannot be verified as current will be required to either (1) pay non-member rates shown in Categories K, L, or R or (2) join AMATYC and pay membership dues before their registration can be processed.

Check one		Payment must accompany registration form. (Payment must accompany a purchase order.) Fax and Web registration payment must be by credit card.	Make appropriate selection(s) where applicable	Discount Registration Postmark by Sept. 30 or via Web or Fax by Oct. 7	Regular Registration Postmark after Sept. 30 or via Web or Fax after Oct. 7
	A	Registration ONLY, Current ¹ AMATYC Member (Individual, Adjunct, or Retired)	N/A	\$340	\$380
	B	Registration ONLY, Current ¹ AMATYC Member, AND FIRST-TIME ATTENDEE	N/A	\$290	\$330
	C	Registration AND New/Renewed one-year INDIVIDUAL Membership	N/A	\$420	\$460
	D	Registration AND New/Renewed two-year INDIVIDUAL Membership	N/A	\$495	\$535
	E	Registration AND New/Renewed three-year INDIVIDUAL Membership	N/A	\$565	\$605
	F	Registration AND New/Renewed one-year ADJUNCT or RETIRED Membership	<input type="radio"/> Adjunct <input type="radio"/> Retired	\$380	\$420
	G	Registration AND New/Renewed one-year INDIVIDUAL Membership AND FIRST-TIME ATTENDEE	N/A	\$370	N/A
	H	Registration AND New/Renewed two-year INDIVIDUAL Membership AND FIRST-TIME ATTENDEE	N/A	\$445	N/A
	I	Registration AND New/Renewed three-year INDIVIDUAL Membership AND FIRST-TIME ATTENDEE	N/A	\$515	N/A
	J	Registration AND New/Renewed one-year ADJUNCT or RETIRED Membership AND FIRST-TIME ATTENDEE	<input type="radio"/> Adjunct <input type="radio"/> Retired	\$330	N/A
	K	Registration ONLY, NON-Member, not joining at this time or LAPSED ² Member, not renewing at this time	N/A	\$445	\$485
	L	Registration ONLY, NON-Member, not joining at this time or LAPSED ² Member, not renewing at this time, AND FIRST-TIME ATTENDEE	N/A	\$395	N/A
	M	Registration AND New/Renewed one-year INDIVIDUAL Membership, SINGLE-DAY Attendee	<input type="radio"/> Thu <input type="radio"/> Fri <input type="radio"/> Weekend	\$210	\$230
	N	Registration AND New/Renewed two-year INDIVIDUAL Membership, SINGLE-DAY Attendee	<input type="radio"/> Thu <input type="radio"/> Fri <input type="radio"/> Weekend	\$285	\$305
	O	Registration AND New/Renewed three-year INDIVIDUAL Membership, SINGLE-DAY Attendee	<input type="radio"/> Thu <input type="radio"/> Fri <input type="radio"/> Weekend	\$355	\$375
	P	Registration AND New/Renewed one-year ADJUNCT or RETIRED Membership, SINGLE-DAY Attendee (Select a day and a membership type.)	<input type="radio"/> Thu <input type="radio"/> Fri <input type="radio"/> Weekend <input type="radio"/> Adjunct <input type="radio"/> Retired	\$170	\$190
	Q	Registration ONLY, Current ¹ AMATYC Member, SINGLE-DAY Attendee	<input type="radio"/> Thu <input type="radio"/> Fri <input type="radio"/> Weekend	\$130	\$150
	R	Registration ONLY, NON-Member or LAPSED ² , SINGLE-DAY Attendee	<input type="radio"/> Thu <input type="radio"/> Fri <input type="radio"/> Weekend	\$155	\$175

¹Current = expiration of 11/30/13 or later ²Lapsed = expiration prior to 11/30/13

SUBTOTAL A _____

B. FOOD EVENTS

(Non-Vegetarian includes a meat serving; Vegetarian is a non-meat meal)

Regional Meetings & Luncheon — Registrant* (full conference)	Fri., Nov. 1	Noon–1:30 pm		Included
Select one: <input type="checkbox"/> Non-vegetarian <input type="checkbox"/> Vegetarian				
Awards Breakfast — Registrant* (full conference)	Sat., Nov. 2	7:45 am – 10:00am		Included
Select one: <input type="checkbox"/> Non-vegetarian <input type="checkbox"/> Vegetarian				
Regional Meetings & Luncheon — Guest of Registrant or Single-Day Registrant	Fri., Nov. 1	Noon–1:30 pm	_____tkts. @ \$45/ea.	\$_____
Select quantity: _____Non-vegetarian _____Vegetarian				
Awards Breakfast — Guest of Registrant or Single-Day Registrant	Sat., Nov. 2	7:45 am – 10:00 am	_____tkts. @ \$45/ea.	\$_____
Select quantity: _____Non-vegetarian _____Vegetarian				

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

SUBTOTAL B _____

C. DONATION to the AMATYC Foundation

Please consider making a donation to the AMATYC Foundation. Anyone making a donation from January 2013 through 8:00 am, Saturday, November 2, 2013, or with the conference registration is eligible to enter the drawings for a complimentary discount conference registration for Nashville or one of two one-year membership. Bring your conference receipt to the registration desk for assistance.

- General Development Project ACCESS Developmental Mathematics
Mini-Grants Endowment Research in Mathematics Education in Two-Year Colleges

SUBTOTAL C _____

D. DISCOUNT

If you have been selected to receive an affiliate scholarship, select applicable registration type above and enter the discount code that has been provided to you below and (\$340) on the "Subtotal D" line.

Affiliate Scholarship Code _____ \$340 discount

SUBTOTAL D _____

Continue to next page →

PAYMENT METHOD (AMATYC Tax ID #11-2531258)

SUBTOTAL A _____ + SUBTOTAL B _____ + SUBTOTAL C _____ - SUBTOTAL D _____ = TOTAL DUE _____

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

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

Name as Appears on Card (please print) _____

Billing Address for Card _____

City/State/Zip _____

Credit Card Number _____ Expiration Date _____

Signature _____

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

Wednesday, October 30 Thursday, October 31 Friday, November 1 Saturday, November 2

(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.)



A sunset in Orange County/Photo courtesy of John Mairs/Anaheim Orange County VCB

Make your reservations at the conference hotel: Anaheim Marriott

American Mathematical Association of
Two-Year Colleges (AMATYC)
October 31 – November 3, 2013

Reservations received after October 9, 2013, or once room block has been filled, will be confirmed on rate and space available basis. Check-out time is 12:00 pm. Check-in time is 4:00 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.

Name _____

Address _____

Credit Card No. _____ Exp. Date _____

City _____ State _____ Zip _____

Signature _____

Telephone(_____) _____

American Express MasterCard Visa
 Discover Diners Club Carte Blanche
 JCB International

College/Company _____

Names of Persons _____
Sharing Room: _____

Accommodations Requested:
 Number of People: 1 2 3 4
 Room Type: King 2 Beds
(Room type requests are noted, but not guaranteed.)

Arrival Date: _____ Time: _____ Departure Date: _____

Room Rates:
 Single/Double: \$143* plus applicable tax \$ _____
 Executive Corner King: \$163* plus applicable tax \$ _____
 Concierge Room: \$193* plus applicable tax \$ _____
 Additional Person: \$ 20 plus applicable tax \$ _____
 Total \$ _____

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

Online: <https://resweb.passkey.com/go/amatyc2013>

Phone: 877.622.3056 (mention AMATYC Conference)

Address: Anaheim Marriott
700 West Convention Way
Anaheim, CA 92802-3483

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

**Room rates are quoted exclusive of applicable state, local, and occupancy taxes that are currently 15%, plus \$0.70 per night tourism fee, and a 2% Anaheim Tourism District Improvement Assessment (all subject to change).*

Hotel Deposit: All reservation requests require a credit card guarantee to hold a guest room within 14 days after the room is confirmed by the Marriott (but no later than October 9, 2013). **All individual room reservations are required to pay one night's lodging if the reservation is canceled less than 72 hours 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.**

On-site Conference Registration Anaheim Marriott AMATYC Registration Desk (Ballroom Foyer)

Wednesday, October 30	4:00 pm - 8:00 pm
Thursday, October 31	7:00 am - 6:30 pm
Friday, November 1	7:00 am - 4:00 pm
Saturday, November 2	7:00 am - 8:00 am
Saturday, November 2	10:00 am - Noon

FOR YOUR INFORMATION

Getting There

(all prices quoted are subject to change)

Airport/Hotel Transportation

Super Shuttle: AMATYC has arranged for discount rates with Super Shuttle from John Wayne Airport (SNA) and LAX. The rates are \$10 per person from SNA and \$16 per person from LAX. Advance reservations are preferred and return reservations are required. You will receive a 10% discount by going through the following site: groups.supershuttle.com/americanmathematicalassociationoftwoyearcolleges.html or through the conference website.

Disney Resort Express Shuttle: From LAX a one-way trip is \$20 per adult and round trip is \$30 per adult. From SNA a one-way is \$15 per adult and round trip is \$25 per adult. Reservations **must** be made 24 hours in advance by phone at 800.828.6699 or online at www.graylineanaheim.com/shuttles.shtml.

Taxi: Taxi fares from LAX are approximately \$88 per person and from SNA approximately \$36 per person. To make your reservation call 800.4my.taxi and request a flat rate.

Getting Around Anaheim

The *Anaheim Resort Transportation* (ART) is the transportation system for the greater Anaheim Resort area. Bright and colorful busses with images of the Anaheim theme parks run every day, making stops at local hotels and attractions every 15, 20 or 30 minutes. All routes are interconnected with transfers at Disneyland's Main Transportation Center and the GardenWalk.

The ART provides transportation to shops and local restaurants in Downtown Anaheim, Angel Stadium, Crystal Cathedral, Knott's Berry Farm, Discovery Science Center, Anaheim GardenWalk, the Outlets at Orange and the Santa Ana Westfield Mainplace Mall.

The ART offers a one-day, three-day or five-day pass where you can ride the ART unlimited times during your stay. For prices, schedules, and routes, visit the website www.rideart.org/.

Getting Around Surrounding Area

OCTA Bus Transportation: Going further from the conference - hop aboard an OCTA bus: **Route 43:** serves Fullerton, Anaheim, Garden Grove, Santa Ana, Fountain Valley, and Costa Mesa

Route 50: serves Long Beach, Los Alamitos, Cypress, Stanton, Garden Grove, and Orange

Route 83: serves Laguna Hills, Santa Ana, and Orange

Conference Housing

The 39th Annual AMATYC Conference begins on Thursday, October 31, at the headquarters hotel, the **Anaheim Marriott**, 700 West Convention Way, Anaheim, CA 92802.

A block of guest rooms at reduced rates has been reserved at the Anaheim Marriott until October 9, 2013, or until AMATYC's room block is sold out, whichever comes first. Any unreserved rooms in the block will be released for sale to the general public after this date. AMATYC members have purchased all available rooms the past few years, so make your reservations early! **Be sure to mention that you are attending the AMATYC Conference** if making your reservation by phone. Reservations can be made by calling 877.622.3056 or online at the website listed on the hotel form on page 18. *The hotel prefers that you make your reservations online.*

All reservation requests will require a credit card guarantee to hold a guest room within 14 days after the room is confirmed by Marriott (but no later than October 9, 2013). **All individual room reservations are required to pay one night's lodging if the reservation is canceled less than 72 hours prior to arrival.** Personal checks, money orders, or a valid major credit card and expiration date will be needed for the deposit. **If you do not check into the hotel on the first night of your reservation, your deposit will be forfeited and your reservation canceled.** If you find you must cancel your reservation, please make the cancellation at the earliest possible date to avoid losing your deposit. Name changes to room reservations may be made up to three days prior to arrival at no charge.

In the event you check out of your guest room prior to the reserved checkout date, the Anaheim Marriott may add an early checkout fee to your account. You will be informed of this at check-in and can change your respective check-out date at the time of check-in, without charge.

Staying in AMATYC's block of rooms at the conference hotel has many benefits. The Anaheim Marriott is conveniently located in the heart of the Anaheim Resort District, offering amenities and service unrivaled by other Anaheim hotels near Disneyland® Resort. Our hotel is walking distance to Downtown Disney® District, an outdoor promenade with restaurants, theatres, and shopping in a tropical setting. Just steps in the other direction will take you to the Anaheim GardenWalk, an oasis of outdoor shopping, dining and entertainment in the heart of Orange County.

You will also be helping AMATYC keep down conference costs. A significant way AMATYC is able to keep the registration rates as low as possible is by guaranteeing to the hotel that we will use a certain number of guest rooms (our room block). By meeting this quota, the meeting room rental fees are waived, which keeps the registration costs down. Additionally, we have performance clauses in our contract stipulating a certain number of rooms will be occupied and by failing to meet that number AMATYC will automatically pay high attrition fees. So staying in the conference hotel puts you close to the action and helps AMATYC produce the best possible conference.

Parking

The Anaheim Marriott offers parking that provides direct access into the hotel. Options include self parking for \$24 and valet parking for \$28 daily.

Roommate Service

Those wishing to share a room with one, two, or three other conference attendees should complete the Roommate Network form that can be found on the AMATYC website, www.amatyc.org, and by clicking on the "39th AMATYC Annual Conference" link, then the "Request a roommate for the conference" link found on that page no later than September 30, 2013. You should be notified, within two business days, that your request has been received. If you do not receive such an email acknowledgement, please contact Linda Kodama at Lkodama@hawaii.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 Linda. **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 meetings, commercial presentations, and the exhibits.

Also included are the Friday luncheon regional meetings and the traditional Saturday morning breakfast.

To qualify for the discount registration rates of \$340 member and \$445 non-member, **registration forms must be postmarked, if submitted via mail, on or before September 30, 2013. If submitted via the web or faxed, the completed registration form must be received on or before October 7, 2013.** After these dates, registration will continue at the regular registration rate of \$380 (member) and \$485 (non-member). Registrations sent by mail **must be postmarked** on or before October 10, 2013, in order to be processed prior to conference start.

On-site registration will be available at the regular rate (\$380 member and \$485 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, 2013, faxed by October 21, 2013, or completed online 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, 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, 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 first-time conference attendees 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 meetings, commercial presentations, and the exhibits for the specified day. Single-day registration **does not** include admission to the Friday Luncheon

or the Saturday Awards Breakfast. The Friday regional meetings following the luncheon and the Saturday awards session following the breakfast are open to all registrants for the day registered. Single-day registrants may purchase special function tickets at the guest ticket price to attend the meal function for that day.

Student Registration

If you think you qualify for a student registration, contact the AMATYC Office at 901.333.6243 or amatyc@amatyc.org.

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

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 16, 2013. A 50% refund less a \$25 service fee will be given if written request is postmarked on or after October 17, 2013, and by October 30, 2013. No refunds for non-attendance will be given for requests postmarked on October 31, 2013, or later. No refund will be given for membership dues. Requests for return of overpayments must be in writing and received by the AMATYC Office no later than December 15, 2013. 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. This refund policy is also applicable to registrants for a single-day registration.

Workshops

A workshop includes active attendee participation, an in-depth treatment of a topic, and significant handouts. Workshop participants must be present at the beginning of the workshop to secure a seat in the workshop.

AMATYC continues to offer workshops at no additional fee to persons who register as conference participants. Entrance to a workshop will be monitored by the president on a first-come, first-served basis. Your official AMATYC conference name badge is required to gain admittance.

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 Luncheon or Saturday Awards Breakfast. Special function tickets may be purchased for your guests.

Policy Related to Guests of Attendees at AMATYC Events

General Policy

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

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

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

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

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

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

AMATYC-Supplied Computer and Internet Access at AMATYC Events

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

ADA Accommodations

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 should contact Beverly Vance before October 15, 2013, at bvance@amatyc.org.

Dietary Restrictions

If you have dietary restrictions, please contact Beverly Vance at bvance@amatyc.org before October 15, 2013.

Conference Program

This **miniprogram** is provided as a guide to aid you in 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 guidebook.com a week before the conference begins. You can download the Guidebook app at anytime at iTunes or Google Play and then the AMATYC conference app before you travel to Anaheim.

Special Events

McGraw-Hill Education/ALEKS Corporation Event

McGraw-Hill Education/ALEKS Corporation would like to invite you to our annual AMATYC kick-off event on Wednesday, October 30: "Adaptive Learning for Every Environment." The theme of this year's event, "Make it Personal," will explore the impact of adaptive learning and how it can be integrated in every course environment to provide individualized learning.

**When: Wednesday, October 30
12:30 pm- 4:00 pm**

Workshop – open to AMATYC attendees and non-attendees

MAKE IT PERSONAL:

Adaptive Learning for Every Environment

- ❖ Opening Session – Making it Personal with today's Students
- ❖ Speaker Panel – Adaptive Learning in a Variety of Course Environments: Our panel will discuss adaptive learning in the following course models:
 - ♦ Co-requisite
 - ♦ Traditional
 - ♦ Lab
 - ♦ Hybrid

Following the panel discussion, we will break up into three concurrent sessions. When you sign up, please choose one of the following sessions to attend:

Session 1: Revolutionizing Math Placement and Remediation to Achieve Success

Session 2: Redesigning Developmental Math—the Endless Opportunities

Session 3: Blending Conceptual with Computational

If interested, please RSVP to kristen.maloney@mheducation.com.

Wednesday Evening Research Pre-session

The Research in Mathematics Education in Two-Year Colleges Committee will sponsor a Research Pre-session Conference on Wednesday, October 30, 2013, starting at 6:00 pm at the conference hotel. Come join us to hear exciting presentations focused on preliminary research in mathematics education being conducted in conjunction with community colleges. Presentations will be 20 minutes plus 10 minutes for questions. Participants will have the opportunity to sample different research frameworks, theoretical perspectives, and research findings. Look for more information in the *AMATYC News!*

Themed Sessions

There are three themed sessions this year. The first two will be held Thursday morning with the third on Friday morning.

Teaching and Learning in Precalculus, Calculus, and Beyond, sponsored by the Mathematics Intensive/College Mathematics Committee, will focus on sample projects and teaching strategies such as collaborative learning, honors research projects, and engineering applications. The Cajon drum, a box-shaped percussion instrument that can mimic a drum set, can be used to examine a resonance frequency formula in trigonometry. Linear and quadratic functions can provide insight for precalculus students into auto crashes.

The Teacher Prep Committee will demonstrate *Having Fun Engaging Future Teachers in Mathematical Thinking* while helping them develop mathematical habits of mind. Strategies and activities to help pre-service teachers experience that elusive "Aha moment" will be provided. Those dreaded fractions will be multiplied to show how to use the concrete, pictorial, and abstract representations of knowledge.

The Statistics Committee will lead us on *Pathways to Success in Teaching and Learning Statistics* with discussion and exploration of the prerequisites, content, technology, philosophical foundations, and applications related to the effective teaching and learning of introductory statistics. Topics, for both new and experienced instructors, will include examples of projects that can make traditional

algebra topics appropriate and appealing for statistics students, and the bootstrap method for estimating the population mean.

Academic Committee Meetings

AMATYC's academic committees include: Developmental Mathematics, Division/Department Issues, Innovative Teaching and Learning, Mathematics for AAS Programs, Mathematics Intensive/College Mathematics, Placement and Assessment, Research in Mathematics Education in Two-Year Colleges, Statistics, and Teacher Preparation.

Participation in AMATYC academic committees provides members with opportunities to learn more about an area of interest and share expertise with others. Academic committees develop position statements, work on projects, and serve in an advisory role to the AMATYC Executive Board and the Delegate Assembly. Committee meetings are open to all interested individuals and provide opportunities to become more involved in AMATYC.

On Friday, at 4:15 pm, each committee will meet so that attendees may participate in the committee of their choice without missing sessions or workshops. This reserved time at the end of the day also allows committees the flexibility of meeting longer than one-hour if they have so requested. Earlier on Friday, the Mathematics Intensive/College Mathematics Committee will hold a Sharing Session at 2:00-2:50 pm and the Mathematics for AAS Programs Committee will lead a session about Linking Math Courses and the Work Force at 10:20 - 11:10 am.

Poster Session

See innovative and practical ideas from your colleagues as well as reports on their latest research projects presented in poster format. This year's session will be Friday from 2:00 pm to 4:00 pm in the Grand F Ballroom at the Anaheim Marriott. Posters will be available for browsing from 11:00 am until 2:00 pm and after the session until 6:00 pm. During the session you'll be able to exchange ideas with the creators of the posters.

AMATYC 101

On Thursday at 9:10 am, Bruce Yoshiwara (West Region VP) and Kathryn Kozak (Southwest Region VP) will host S018, "AMATYC 101." If you are new to AMATYC or attending your first conference, join Kathryn and Bruce to learn how to maximize your conference experience. Meet other first-time conference attendees, enjoy conversation with colleagues, and get answers to your questions about AMATYC and the conference. Take advantage of this specially designed session to assist you in making the most of the professional development opportunities that are available during the conference and throughout the year.

First-time Attendee Reception

Will Anaheim be your first AMATYC conference? In addition to attending "AMATYC 101" described above, take advantage of this special reception at 5:00 pm, Thursday, in Marquis NW at the Anaheim Marriott. First-time attendees who self-identify on the registration form by checking "yes" to the question, "Is this your first AMATYC conference?" will receive an invitation for themselves and a guest. If you are new to the AMATYC conference scene, take advantage of this opportunity to enjoy refreshments and stimulating conversation while making connections. Afterwards, join your new friends for dinner at one of the many local restaurants and then stop by the AMATYC forums.

Family and Friends Connect

If you are bringing guests to the conference, encourage them to join Local Events Coordinator Carol Murphy at 8:00 am Thursday or 8:00 am Friday to find out what is happening in and around Anaheim. Come to either S003 or S090 to meet other conference guests and hear about what local residents of Orange County like to do in the Anaheim area.

Faculty Math League Competition

Participate in the 10th Annual Faculty Math League (FML) contest. This year's contest will be held Friday afternoon. Check the program book for the time and location. 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.

Friday Night Ignite Event

The Innovative Teaching and Learning Committee (ITLC) is sponsoring the second AMATYC Ignite Event at the Anaheim Marriott on Friday evening at 6:00 pm in Marquis NE. The first Ignite took place in Seattle in 2006 and has since become an international phenomenon. Twenty slides are automatically advanced every 15 seconds while the speakers have exactly five minutes to share their passion. There will be an intermission during the event to allow people to grab some beverages or food in the hotel. A recording of the event will be posted online for everyone to share and discuss. Go to <http://igniteshow.com> for more information. "Enlighten us, but make it quick!" Last year's Ignite Event was a lot of fun and well attended. Join your colleagues and learn something in a short amount of time!

Affiliate Sharing Session

Affiliate leaders and members are invited to attend the Affiliate Sharing Session on Saturday, November 2, at 10:45 am, hosted by

Sherri Wilson from CMC³ South in California and Maggie Flint of TMatYC, affiliate host for the 2014 AMATYC Conference. This discussion will offer current and future affiliate leaders time to network, ask questions, and share ideas. Topics of discussion will include program and conference planning, ways to strengthen and grow your affiliate, and questions from the group. Share your ideas and learn from others.

2013 Department/Division Chairs' Colloquium

The Department/Division Chairs' Colloquium, organized by Christine Mirbaha and Sean Simpson will be held Thursday, 12:40 pm to 2:40 pm. This popular annual colloquium provides an opportunity to dialogue with other department leaders in an informal, but structured, setting. Topics this year will include the role and responsibility of chairs, redesign issues, and adjunct concerns.

Exhibits Grand Opening and Dedicated Exhibit Times

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

Take advantage of dedicated time to visit exhibitors. In addition to the Thursday evening Grand Opening, AMATYC is pleased to feature our exhibitors on Friday from 11:10 am to 11:55 am and 1:30 pm to 2:00 pm immediately before and after the Regional Luncheons. 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 - 7:30 pm

Friday 8:30 am - 12:00 pm
and 1:30 pm - 5:00 pm

Saturday 9:45 am - 1:00 pm

★Dedicated Times★

Thursday 4:30 pm - 7:30 pm

Friday 11:10 am - 11:55 am
and 1:30 pm - 2:00 pm

Saturday 10:00 am - 10:45 am

Note that the Exhibits are closed Friday 12:00 pm - 1:30 pm. Please plan your schedule to allow our exhibitors to have this time for lunch while you enjoy the Regional Luncheon.

Exhibitor Product Presentations

Several AMATYC exhibitors will conduct 30-minute presentations to highlight their products and services. These presentations will be located in the Exhibit Hall from 10:30 am to 11:45 am and 2:00 pm to 4:45 pm on Friday only. While the descriptions will be included in the conference program, a listing of titles, presenting companies, and times of presentations will be posted in the exhibit area. 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.

AMATYC Forums

Three forums will be held Thursday evening. The forums are an opportunity for you to provide your input on the work currently being done by AMATYC committees and task forces. All members are welcome. AMATYC delegates are encouraged to attend. Drafts of the position statements and information on the AMATYC regional structure are available on the AMATYC website.

Initial Hearing on the Position Statement on The Appropriate Use of Intermediate Algebra as a Prerequisite Course

Moderator: Linda Zientek, Chair,
Developmental Mathematics Committee
7:00 pm - 7:30 pm

Initial Hearing on the Position Statement on The Academic Preparation of Mathematics Faculty at Two-Year Colleges

Moderator: Jim Roznowski,
AMATYC President
7:30 pm - 8:00 pm

Discussion on Proposed By-law Revisions and on the AMATYC Regional Structure

Moderator: Jane Tanner,
AMATYC Northeast Vice President
8:00 pm - 8:30 pm

Regional Meetings & Luncheon

Get to know the people and activities in your region, and interact with your regional vice president on Friday while enjoying lunch. Be sure to bring your ticket to pick up your lunch which will be available from noon until 12:15 pm. The regional meeting will be held from 12:15 pm until 1:30 pm.

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.

Delegate Assembly

The Delegate Assembly will be held on Saturday afternoon at 4:00 pm. The delegate packet will be made available online for review at www.amatyc.org on September 30, 2013. 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 vp prior to the conference.

Members who are not delegates may attend the Delegate Assembly in a special seating section.

General Information

Weather

Are you to getting excited about traveling to the west coast to attend the next AMATYC conference in Anaheim, CA, from October 31 to November 3, 2013? The weather in southern California will be perfect, sunny and warm during the day with temperatures about 75 degrees and cooler in the evenings, with temperatures around 53 degrees. A light sweater or jacket for the evenings makes outdoor walks very pleasant.

Flight Plans

When you start making your travel plans, try to fly into John Wayne Airport (SNA) in Orange, CA, which is much closer to Anaheim. Your transportation to and from the airport will be more convenient. Don't worry if you can only fly into LAX. Shuttles have been arranged from the LAX airport also, but the ride will be a bit longer to the hotel. If you fly into LAX, try to avoid making plane reservations that arrive or depart around the rush hour.

Restaurants

The restaurants within the hotel are fabulous, serving you any type of food you might desire. Café Del Sol serves California Cuisine while JW's Steakhouse serves prime meats and fine wine. The hotel also has a Starbucks and Pizza Hut in the hotel proper. If you prefer eating outside the hotel there are plenty of restaurants within walking distance or a short cab ride away. If you want to "Dine on a Dime," there are several chain restaurants nearby such as Baja Fresh, Subway, Coco's, and Ruby's Diner. Other choices nearby include Ruth Chris' Steakhouse, Cheesecake Factory, PF Chang's and California Pizza Kitchen to name a few. Local restaurants are plentiful also. Among the local favorites are Ralph Brennan's Jazz Kitchen, House of Blues, Anaheim White House, and McCormick & Schmick's Grille. You will have a great variety of dining choices whether you eat in the hotel or dine at the local restaurants. The local hospitality group will be

hosting a "Dine with Us" choice of restaurants on Thursday and Friday evenings. Be sure to sign up if you want to eat with a group on those two evenings.

Theme Parks

Two theme parks are within walking distance from our hotel. Disneyland® Park opened in 1955 and is affectionately known as the "Happiest Place on Earth." Disneyland® Park has sixty adventures in eight themed lands. Its younger sibling, Disney California Adventure® Park opened 11 years ago and also has themed lands with its newest being Cars Land. This land recreates the town of Radiator Springs from the animated movie "Cars." The newest attraction is the Mad T Party based on Alice in Wonderland. You and your family will enjoy both of these parks. You can be sure there will be special happenings during the Halloween weekend. Look for discount tickets to these two parks on the AMATYC website as the conference approaches. Knott's Berry Farm is a bit further away and has activities and 165 rides for "children" of all ages.

Cultural Events and Day Outings

There are several cultural events going on nearby. As the latter part of the 2013 schedule is posted you will be made aware of all the events in the nearby vicinity. If you like to get away for a day or plan on staying a day longer or arriving a day earlier, your future newsletter articles about the conference will include information about day trips to Catalina Island, Wine Country in Temecula, Hornblower Cruises, OC Wildlife and Beach tours, balloon rides in Temecula, Los Angeles tours, Medieval Times and the Pirate Dinner Adventure. There will be two conference sessions to find out more about what is going on in and around Orange County. Look for the session on Thursday and Friday mornings.

Job Board

A job board and recruitment table will be located near the registration area. Bring copies of any job announcements from your college to post on the job board.

Email/Communications

Complimentary WiFi is available in each guest room booked within the AMATYC block. The Professional Networking/Hospitality Room located in Elite 3 will also be equipped with WiFi. Bring your tablet and check out the local attractions/restaurants with the help of members of the Local Event Committee.

Additionally the entire lobby of the Anaheim Marriott provides free wireless access. Complementary printing of airline boarding passes is available in the lobby.

Professional Networking/ Hospitality Room

Stop by the hospitality room located in the Elite 3 of the Anaheim Marriott Hotel to renew old friendships and meet new colleagues. Enjoy a snack, play some games, sign up for dinner outings, "Dine with Us," led by our local events committee or just relax and find out what is going on in Anaheim. Members of the Anaheim Local Events Committee will welcome you and answer any questions about how to get around the city and find out about things to do in the area.

Halloween Costume/Mask Contest:

Since Thursday is Halloween wear your favorite Halloween costume to the Hospitality room to win a prize for the following categories: Scariest, the Disney theme-ist, most mathematical, funniest, most elegant. You need to show up between 5:00 - 6:00 pm so we can rate the costumes and award prizes.

Professional Networking/ Hospitality Room Hours

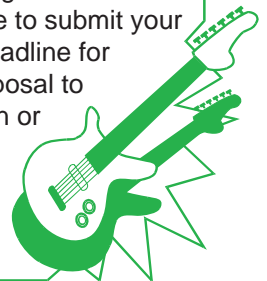
Wednesday 4:00 pm - 8:00 pm
Thursday 9:00 am - 6:00 pm
Friday 8:30 am - 11:30 am
and 1:15 pm - 6:00 pm
Saturday 10:00 am - 1:00 pm

Service Project for CASA of Orange County

Purchase a new book suitable for a 10 - 18 year old that you can donate to the service project for foster children in the Orange County area. Each foster will select one of the books for a Christmas present at Casa's Christmas party in December. You will be promoting the love of reading in the lives of foster children. Donation boxes will be found in the Hospitality suite during the conference.

Nashville 2014

Program proposals to present in **Nashville** can be submitted at the AMATYC website, www.amatyc.org, beginning November 1, 2013. 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 Nashville is **February 1, 2014.**



COMMERCIAL PRESENTATIONS

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.

Hawkes Learning Systems

C15 **How Far Will You Go for Student Success?**
Friday **Anthony Belen**
2:00-3:30

Improve your students' success rates by providing the tools, knowledge and support they need to be successful in the classroom and beyond. Hawkes is a system both flexible for instructors and motivational for students. Learn how our mastery-based software is proven to lead to success. Enter to win an iPad Mini!

C18 **Mastering Math, Not the System**
Saturday **Jen Moore**
10:45-12:15

You know the scenario: Students do well on homework, yet perform poorly on exams. With Hawkes, students cannot "cheat the system" to get through assignments. Instead, they are held accountable for mastering the material without relying on learning aids. Discover how Hawkes motivates students! Enter to win an iPad Mini!

Maplesoft

C12 **The Mobius Project: Mathematics Everywhere**
Friday **Jonny Zivku**
9:45-11:15

Technology changes what and how we teach. Maplesoft's Mobius Project helps educators by making it easy to create, share, and grade interactive Maple applications. Learn how Mobius apps can help you and your students solve problems, visualize solutions, explore concepts, and assess understanding! One presentation attendee will win an iPad!



Palm trees in Anaheim/Photo Courtesy of the Anaheim Orange County VCB

Pearson Education

C7 **Best Practices for Utilizing the Homework/Test Manager**
Friday **Irene Doo**
8:00-9:30

Explore the full power of the Homework/Test Manager with options that allow customization of assignments meeting the needs of your students and curriculum. Learn about setting automatic late homework submission penalties, requiring online 'show work' on quizzes or tests, individual homework based on objective mastery diagnostics and more.

C10 **Best Practices for Utilizing the Gradebook**
Friday **Irene Doo**
9:45-11:15

Learn to take advantage of Gradebook tools that save you time with course management and student rapport. Easily email students based on last exam scores, drop lowest scores from a group of tests or quizzes, and identify students submitting homework late. Learn these and other time-saving and early intervention tools.

C13 **Custom Question Builder – Getting Started**
Friday **Irene Doo**
2:00-3:30

Learn how to use the custom exercise builder to copy and edit the online exercise bank, and create your own algorithmically generated exercises for use in Homework, Quizzes, and Tests within MyMathLab, MyStatLab, MathXL, and for assessments in MyMathTest.

C14 **Strategies for Customizing the Learning Environment**
Friday **Diane Gray**
2:00-3:30

The College Board and Pearson have partnered to offer a diagnostic assessment paired with proven remediation to enhance college preparedness and student success. Students begin with ACCUPLACER Diagnostics, then with the student's diagnostic performance a personalized Learning Path is generated, offering targeted, just-in-time remediation mapped to each student's diagnostic competencies.

C17 **MyMathLab: A New Generation**
Saturday **Diane Gray**
10:45-12:15

Learn about the updates to the MyLabs platform and see new resources for you and your students across multiple Pearson platforms including MyMathTest, MyLabsPlus, and MyFoundationsLab.

C20 **Course Redesign – Before and After**
Saturday **Diane Gray**
1:00-2:30

Focusing on the principles behind launching and sustaining a successful Course Redesign, learn how small adjustments can lead to larger gains. Receive practical advice about tracking and analyzing student data with examples of MyMathLab efficacy studies; delving into measurement tools, data interpretations, and tips on setting up your study design.



The Foundation campaign theme for 2012 and 2013 is ***Continuing Our Success***. Watch your email and the AMATYC website later this fall for details about fundraising events at the conference in Anaheim. Prepare for another regional competition!

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On-site Conference Registration ♦ Registration Desk (Ballroom Foyer)

Wednesday, October 30 4:00 pm - 8:00 pm
Thursday, October 31 7:00 am - 6:30 pm

Friday, November 1 7:00 am - 4:00 pm
Saturday, November 2 7:00 am - 8:00 am
Saturday, November 2 10:00 am - Noon