

36th Annual Conference

Boston, Massachusetts

.....

November 11-14, 2010

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**Hosted by NEMATYC and
the Northeast Region**

Opening Doors Through Mathematics

Boston Marriott Copley Place

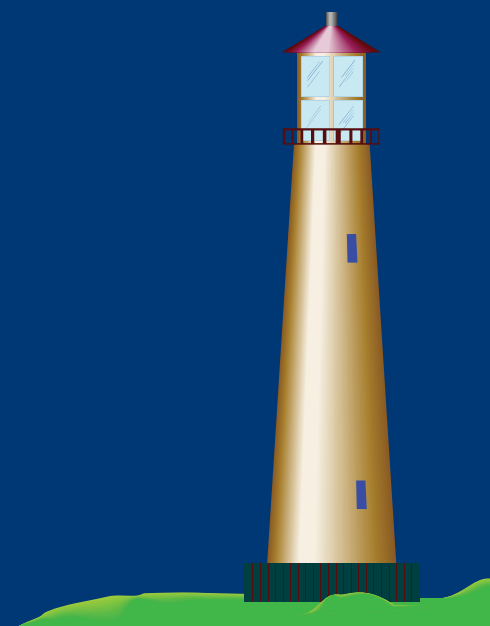
110 Huntington Ave.

Boston, MA 02116

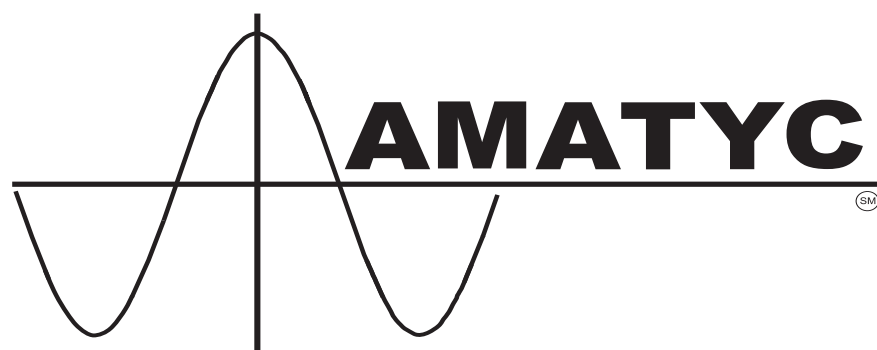
Reservations: 800.266.9432

Reservations Website:

[www.amatyc.org/Events/conferences/
2010Boston/housing.html](http://www.amatyc.org/Events/conferences/2010Boston/housing.html)



*** 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

36th Annual Conference ✨ Boston, MA

KEYNOTE SPEAKERS



Thursday Opening Session

Javier Gomez-Calderon
The Treasure of Polynomials

Thursday, November 11, 3:00 pm
Ballroom Salons E/F/G

Javier Gomez-Calderon joins us in the opening session of the 36th Annual AMATYC Conference to give everyone in attendance a greater appreciation of a topic with which all are familiar, polynomials. From the early discovery of the quadratic formula, polynomials have been a fundamental concept in the development of mathematics. Gomez-Calderon's discussion will enable participants to use an historical approach to polynomials and a three-dimensional approach to better understand why polynomials have roots. He will illustrate why polynomials can be considered a mathematical treasure!

Gomez-Calderon is a professor of mathematics at Penn State New Kensington. He is the author or co-author of twenty-nine articles, four textbooks, four in-house booklets, and the advisor of seven student publications. Gomez-Calderon served as the head of the Mathematics Division for the 14 Penn State campuses from 2002 to 2006 and obtained his doctorate in 1986 from the University of Arizona. Gomez-Calderon was the recipient of the 2007 Penn State S. Eisenhower Award for Distinguished Teaching, the 2002 Commonwealth College Outstanding Research Award, the 2001 Valley News Dispatch Coach of the Year, the New Kensington Excellence in Teaching Award in 1989 and 1997, and the Theresa Cohen Mathematics Service Award in 1996.



Saturday Awards Breakfast Session

Lew Lefton
*Infinity Bottles of Beer
on the Wall*

Saturday, November 13
Breakfast Served: 7:45-8:00 am (**Ticket Required**)
Program: 8:30-10:00 am
Ballroom Salons E/F/G

Lew Lefton likes to keep both the right and left sides of his brain working.

His "bread is buttered" by being a faculty member in the School of Mathematics at Georgia Tech, where his responsibilities include being the Director of Information Technology for the College of Sciences. He also teaches and is the author of the textbook *Introduction to Parallel and Vector Scientific Computing*. At first, he seems like yet another friendly neighborhood Ph.D. in Mathematics, doing stuff we don't really understand.

But Lefton is not just your ordinary geek. He is an accomplished and experienced comedian who has done stand up and improv comedy for over 25 years. From his graduate student days in the 1980s, where he created a regular gig called "The Comedy Stop" at the Alley Cat Bar in Champaign-Urbana, Illinois, through his later work in New Orleans, where he was a driving force behind "Comedy Gumbo" and the long running Improv group "Brown!", Lefton has always been a supporter and mentor of fledgling comedy talent. Even today, in his hometown of Decatur, GA, Lefton still performs comedy shows, and also directs a youth improv comedy troupe called D.U.C.K. He is a natural teacher, and his broad experiences, sharp wit, and unique perspectives make both his classes and his performances truly engaging and effective.

He says his Saturday morning address is designed for mathematically mature audiences, but there will also be plenty of jokes for friends and spouses. His philosophy is that humor helps loosen up a class and makes them better prepared to learn. This address promises to be one that will be remembered and discussed by AMATYC participants for years. Don't miss it.

Perhaps Lefton's unique talents are best summed up by his business card which reads:

Lew Lefton
Mathematician/Comedian
"He's funny and he can prove it"

FEATURED SPEAKERS

Kimberly Pearson

Confidence Intervals for a Proportion in Introductory Statistics

Thursday, November 11, 11:20 am



Learn how binomial confidence intervals taught in introductory statistics courses can be used to introduce advanced statistical concepts at an accessible level, allowing students to gain insight into statistical concepts usually reserved for more advanced courses. Teachers of introductory statistics courses should be able to use the material in some of their courses.

Pearson received her doctorate in mathematics from Indiana University, writing her dissertation in algebraic K-theory. After ten years as a member of the faculty at Valparaiso University, she switched fields to biostatistics, receiving a Masters in Biostatistics from the Harvard School of Public Health. She now works in the pharmaceutical industry.

Becky Wai-Ling Packard

Off-Track to On-Track in Two Minutes? Faculty Facilitating Transfer

Friday, November 12, 1:00 pm



Drawing upon a longitudinal study of 200 community college students pursuing STEM fields, Packard shares how faculty helped students to get on-track with their transfer goals. Often through serendipitous two-minute conversations, students gained information, corrected misinformation, or got the boost needed to transfer. Packard will present findings from the study and practical ways faculty

can increase their effectiveness in supporting students at both the two-year and four-year college level.

Packard holds a doctorate in educational psychology from Michigan State University. She has been on the faculty at Mount Holyoke College for 11 years. The recipient of two major National Science Foundation grants, her work was recognized by the White House in 2005 with the Presidential Early Career Award for Scientists and Engineers, the highest honor bestowed upon early career scientists by the federal government. She focuses on the persistence and mentoring of first-generation college students, women, and minorities in science and technical fields.

SYMPOSIUM

AMATYC's newest academic committee, Research in Mathematics Education in Two-Year Colleges (RMETYC), is pleased to present this year's symposium. The symposium begins Thursday afternoon with two sessions, *Research as Faculty Development* by Patrick W. Thompson, professor of mathematics at Arizona State University, and *Research on Students' Reasoning and Sense-Making* by J. Michael Shaughnessy, president of the National Council of Teachers of Mathematics (NCTM). The sessions will be followed on Friday by *Investigating Teaching Practices Through Systematic Inquiry*, a workshop in which Thompson and Shaughnessy will join Vilma Mesa, assistant professor of mathematics education at the University of Michigan, and April Ström, chair of the RMETYC Committee and mathematics faculty at Scottsdale CC, to extend the ideas presented in Thursday's symposium sessions.

The goals of the symposium are to:

- Raise awareness about the potential of research to inform teaching practice;
- Raise awareness about the need to attend to classroom interaction processes in order to generate authentic learning opportunities for students; and
- Raise awareness about the need to attend to students' thinking as a means for enhancing mathematics curriculum and instruction.

Additional workshops and sessions focused on research in mathematics education will be scheduled during the remainder of the conference. Look for the "RB" code to identify these events.



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. We hope you find these codes helpful in developing your conference schedule. Please check the Program Key box for this year's featured categories and codes.

Thursday 7:50 am - 8:40 am

- S1** **How Does Video Restructure a Content Course for Elementary Teachers? (TP, IS)**
Christopher Danielson
- S2** **The Math Behind the Digital Craze (GE, G)**
Revathi Narasimhan
- S3** **Students Really Can Succeed in Online Algebra Courses! (D, IS, TT, RB)**
Harriette M. Roadman
- S4** **How to Make Math Class More Fun and Enjoyable for Students (IS, GE)**
George Alland
- S5** **Creating a Math Curriculum that Promotes Success (D, IS)**
Richard N. Aufmann, Joanne S. Lockwood
- S6** **Cultural Mathematics Academic Activity (C, RB)**
Selina Vasquez Mireles, Mario E. Moreno, Sonya Rahrovi
- S7** **An Alternate Approach to Teaching Arithmetic and Prealgebra (D, RB, DI)**
Barbara Lontz
- S8** **Screencast and the Tablet: How to Connect with a Video Generation (TT, IS)**
Evan Grant Evans, Jr., Larry Huff
- S9** **Early Introduction of Hypothesis Testing (ST, IS, RB)**
Shellene C. Foster
- S10** **Creating a Chance to Learn - Discipline in the College Classroom (G, IS, A)**
Connie L. Buller
- S11** **Linking Concepts in Intermediate Algebra and Precalculus (TT, IS)**
Claudia Stewart, Tracey Hollister
- S12** **Dealing with a Super-Sized Department (DI)**
Patrick L. Villa, Ronald W. Yates

Thursday 9:00 am - 9:50 am

- S13** **Model-building in the Introductory Statistics Course (ST, IS)**
Mary Sullivan
- S14** **Engage to Motivate (IS, SS)**
Michael Sullivan
- S15** **Collaboration Is the Key! (C, DI, A)**
Vicki Gearhart, Honey Kirk

- S16** **How Did We Do It? You Can, Too! (D, A, IS)**
Timothy (Tim) Britt
- S17** **Not All Online Mathematics Courses Are Created Equal (TT, A)**
Susan E. McLoughlin
- S18** **Instructional Design for Developmental Courses (IS, D, TT, RB)**
Wade Ellis, Jr.
- S19** **AMATYC 101 (G)**
Jean Woody, Jane Tanner
- S20** **Coloring in Math Class (GE)**
Julie C. March, Tracey Clancy

Thursday 9:00 am - 10:55 am

Themed Session

- T1** **Emerging Applications: Tomorrow's Careers**
- T1A** **Connecting Math and Physics with Modeling Exercises (IS, C)**
Robert L. Kimball, Jr.
- T1B** **Use of Mathematics in a Spray Condenser Design (IS, C)**
Jim J. McNeish
- T1C** **Outcomes Assessment in Math for Health Sciences (A)**
Joe Gallegos

Boston Program Key

- A Assessment (Classroom, Course, Program)
- C Connections (Articulation with K-12, Universities, Business, Interdisciplinary Classes, etc.)
- D Developmental Mathematics
- DI Department/Division Issues (Adjunct Issues, Mentoring New Faculty, etc.)
- G General Interest
- GE Mathematics for General Education (Finite Mathematics, Liberal Arts, Quantitative Literacy)
- H History of Mathematics
- IS Instructional Strategies (Learning Styles, Teaching Methodologies, including Modeling)
- MI Mathematics Intensive (College Algebra, Precalculus and Beyond)
- RB Research-Based
- SS Student Support (Math Labs, Study Skills, Tutoring, Learning Communities, and Addressing Math Anxiety)
- ST Statistics
- TP Teacher Preparation
- TT Teaching with Technology (Distance Learning, Computer Software, Internet Resources, Graphing Calculators, etc.)

Thursday, November 11

- T1D **Making Statistics Meaningful to Health Science Majors (ST)**
Brenda H. Alberico
- T1E **The Role of Mathematics at the Fashion Institute of Technology (G, C)**
Lasse Savola
- T1F **It Is Possible to Do College-Level Math in an Arithmetic Based Course! (D, IS)**
Teri R.L. Figarola

Thursday 9:00 am - 11:00 am

- W1 **Captivating Contexts for College Algebra (IS, MI)**
Frank C. Wilson
- W2 **Building Academic Confidence and Comfort for Transfer via Mathematics (C, IS)**
James Morrow, Charlene Morrow, Irma Medina
- W3 **Number Sense and the Chinese Abacus (GE, TP, H, D)**
Cheryl Ooten
- W4 **Incorporating Study Skills in a Developmental Mathematics Classroom (D, SS, RB)**
George Woodbury
- W5 **GeoGebra 101 or How I Learned to Stop Worrying and Drag My Graphs (TT) *[bring your laptop]***
Alison J. Schubert, Anne Magnuson

Thursday 9:00 am - 11:55 am

Themed Session

- T2 **Precalculus, Calculus, and Beyond**
- T2A **What Do Electric Bicycles Have to Do with Trigonometry? (MI, IS)**
Eric J. Hutchinson
- T2B **The Calculus of a Vase Project (MI, IS)**
Nicole L. Scherger, Mary Ann Tuerk
- T2C **Should Trig Identities Be Derived Using Euler's Formula in Precalculus? (IS, MI)**
Alexander Atwood
- T2D **Strategic Approaches to Partial Fraction Decomposition (MI, IS)**
Siham Alfred
- T2E **Verifying Surface Intersection Curves Visually (TT, MI, IS)**
Paul E. Seeburger
- T2F **Using a Graphing Calculator to Check Answers in Calculus and Diff Eq (TT, MI, IS)**
Robert Cappetta
- T2G **Understanding 3D Objects with In-Class, Hands-on Activities (TT, MI, IS)**
Helen Mirtova
- T2H **Linear Transformations in Calculus II (MI, IS)**
Paul G. Drelles
- T2I **MCM Participation Has Enhanced Diff Eq and Calculus III (IS, MI)**
John Long

Thursday 10:00 am - 11:30 am

- C2 **SAS Institute Inc., JMP Division: Technology in the Classroom: Teaching Stats Using JMP®**
Mia Stephens

Thursday 10:10 am - 11:00 am

- S21 **On the Use of Social Media (IS, TT, G)**
Mike E. Martin, Maria Andersen, Fred Feldon, Mary Beth Oorange
- S22 **Look at Mathematics: Examples from the World of Art (G, C, GE)**
Marcia (Marty) Kemen
- S23 **How Many Points Is that Worth? Assessing Problem-Solving with Rubrics (A, DI)**
Dennis C. Runde
- S24 **Math Mentoring: The Future for Developmental Mathematics? (D, SS, RB)**
Benjamin Moulton, Marni Sanft
- S25 **CC-OLI Statistics: Free, Research-based Online Learning Materials (ST, A, RB)**
Candace Thille, Oded Meyer, Mary Kehoe Moynihan, Caren McClure, Myra E. Snell
- S26 **Building Conceptual Understanding in Developmental Mathematics (D, IS)**
Erica L. Kwiatkowski-Egizio
- S27 **Using "Prepare and Reflect" Worksheets to Foster Student Accountability (IS)**
John Robert Bakken, Debra K. Olson
- S28 **A Collaboratory for Exemplary Teaching in Mathematics (IS, RB)**
J. Paul Balog, Paul Wraight

Thursday 11:20 am - 12:10 pm

- S29 **Making eLearning Engaged Learning in Developmental Algebra (IS, TT, D)**
Randy Gallaher, Kevin Bodden
- S30 **Confidence Intervals for a Proportion in Introductory Statistics (ST)**
Kimberly R. Pearson
- S31 **Obtaining Better Math Software by Understanding Software History (TT, H)**
John C. Miller
- S32 **Class Journals Written and Edited by Students (IS)**
Michael P. Kenyon
- S33 **Certainty, Mystery, and the Classroom (C, RB, H, G)**
Dustin (Dusty) W. Wilson
- S34 **An Algorithmically Generated Placement Test (A, TT, DI)**
Chris Hughes

Thursday, November 11

- S35 **The Power of Google Docs for Effective Online Course Management (TT, IS)**
George M. Alexander, Calvin Williamson
- S36 **Engaging Students in the Precalculus Suite of Courses (IS, MI)**
Cynthia Y. Young
- S37 **Planes, Balls, and Parametric Equations (IS, TT, MI)**
Nancy J. Rivers
- S38 **Marilyn's Top Ten (TP, IS, D)**
Pamela W. Miller, Deborah Ermoian
- S39 **Mathematics and the Founding Fathers (G, GE, C, H)**
David Price, Elise Price

Committee Meeting

11:20 am - 12:10 pm
Developmental Mathematics

Thursday 12:30 pm - 1:20 pm

- Y1 **Research as Faculty Development (RB, IS)**
Patrick W. Thompson
- S40 **The Past to the Future: What if the Bridge Was Out? (IS, TT)**
Robert L. Kimball, Jr.
- S41 **The Archimedean Screw and Helix for Mathematician and Tourist (G, H, MI)**
Alice Kaseberg
- S42 **I Can't Teach Calculus and It's Not My Fault! (MI, IS)**
Philip Cheifetz, Ellen Schmierer
- S43 **Success by Design: A Developmental Math Redesign that Works! (D, A, RB)**
Kathleen L. Almy
- S44 **Motivating Math Students to Choose Success (D, IS, SS)**
Keith White
- S45 **Emerging Technologies to Enhance Your Mathematics Course (TT)**
Dan G. Petrak
- S46 **Teaching Discrete Mathematics with Activities (GE, MI, IS)**
Denise R. Johansen
- S47 **The Space Odyssey of 2010 (MI, H, TT)**
Paul A. Kinion

Thursday 12:30 pm - 2:00 pm

- C3 **College Board: ACCUPLACER Math Diagnostics**
Chantel Reynolds, Suzanne Murphy
- C4 **CASIO America, Inc.: Activate Student Interest-Explore Mathematics with the ClassPad**
Diane Whitfield, Nathan Austin

Thursday 12:30 pm - 2:30 pm

- Q1 **Department/Division Chairs' Colloquium (DI)**
Sean Simpson, Ron Hammond
- W6 **Enriching Calculus with Formative Assessment Activities (A, MI, IS)**
Sharon F. Welker, Mary D. Pearce
- W7 **Percents for Chefs: Culinary Mathematics Using Food as Manipulatives (C, IS, D)**
Mike Nothnagel
- W8 **Prime Your Prospective Teachers: Activities in Number Theory (TP)**
Andy D. Jones, Joanne O. Weinberg
- W9 **Nonparametric Statistics Using Excel (ST, TT)**
[bring your laptop]
Barry Woods

Thursday 1:40 pm - 2:30 pm

- Y2 **Research on Students' Reasoning and Sense-making (RB, IS)**
J. Michael Shaughnessy
- S48 **Second Life in Higher Education (IS, TT)**
Fred Feldon
- S49 **Developmental Courses in the 21st Century (D, IS, TT)**
Maria DeLucia, Don Groninger
- S50 **The Math Skills Center - A Successful Approach to Developmental Math (D, SS, IS, RB)**
Stacy Martig, Stephanie Houdek
- S51 **From an ESL Perspective: Deciphering the Language of Mathematics (C, D, IS)**
Jennifer N. Helfman, Veronica Campos
- S52 **Building Mathematical Bridges to Baseball's Past (ST, GE)**
Stephen A. (Steve) Krevisky, Ernie C. Danforth
- S53 **College Algebra in the Age of Symbolic Processors (MI, TT)**
Sheldon Axler
- S54 **Activities for Review and Reinforcement in Developmental Math (D, IS)**
Jane Hammontree

Committee Meeting

1:40 pm - 2:30 pm
Placement and Assessment

Wireless High-Speed Internet Service (WiFi)

WiFi is available in the guest rooms for a charge of \$12.95 per twenty-four hour period.

Thursday 3:00 pm - 4:30 pm

Opening General Session

Remarks by

Rob Farinelli, AMATYC President

Speaker: Javier Gomez-Calderon

The Treasure of Polynomials

Thursday 4:45 pm - 7:30 pm

**Grand Opening of the
AMATYC Exhibits**

Thursday 6:00 pm - 7:00 pm

Reception for First-Time Attendees

Everyone attending an AMATYC conference for the first time is invited. Please check "YES" on the top of your registration form. Come and get acquainted with your colleagues and with AMATYC.

Thursday 7:00 pm - 8:00 pm

AMATYC Forums

(see page 22 for complete description)

7:00 pm - 7:30 pm

Conversations About AMATYC

Moderators: Rob Farinelli, Mike Hardie, Rikki Blair, and Jane Tanner

7:30 pm - 8:00 pm

Forum on Strategic Planning

Moderator: Jim Roznowski

Thursday 8:30 pm - 10:00 pm

**AMATYC Foundation Presents
"Bamboozled in Boston"
with Master Magician Phil Cheifetz
\$35/person (Ticket Required)**

See page 22 for details.

Friday 7:45 am - 9:45 am

**Regional Meetings* &
Continental Breakfast**

| | |
|----------------------------|-----------------------------|
| Northeast - Jane Tanner | Mid-Atlantic - Ruth Collins |
| Southeast - Donna Saye | Midwest - Nancy Sattler |
| Central - Steven J. Wilson | Southwest - Jean Woody |
| Northwest - Stefan Baratto | West - Bruce Yoshiwara |

Breakfast Served: 7:45 am - 8:15 am

✦ **Ticket Required for Breakfast Portion** ✦

*States, provinces, and territories for each region will be listed in the conference program.

For a description see page 22.

Friday 9:45 am - 10:30 am

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

Friday 10:30 am - 11:20 am

- S55 **Integrating Statistics into Modeling-based College Algebra (MI, ST, C)**
Sheldon P. Gordon, Florence S. Gordon
- S56 **Working Toward the New Vision of Mathematics Education (D, IS, TT)**
Mary Monroe-Ellis, Suzanne Etheridge, Amy Tankersley
- S57 **Assign 200+ Writing Projects a Semester and Live to Tell About It (IS, G, A)**
James (Rob) Eby
- S58 **What Can We Learn from the Soviet Way of Teaching Mathematics? (G, IS, C)**
Elmira Yakutova-Lorentz
- S59 **Common Core State Standards: Implications for Post-Secondary Education (C, GE, G)**
Tracy Halka, Chris Minnich, Bernadette B. Sandruck
- S60 **Mighty Manipulatives: Hands-on Activities for Developmental Math (D, TT, IS, RB)**
Heather Albrecht
- S61 **Making Use of Interactive White Boards in Developmental Mathematics (TT, D, IS)**
Linda Treilman
- S62 **Thirty Centuries of Computation in a 21st-Century Format (H, TT, TP, G)**
Agnes Azzolino

Friday, November 12

- S63** **A Mentoring Program for Faculty: The Key to a Successful Transition (DI, G, A)**
Joanna K. Pruden, Edwin G. Owens
- S64** **CATYC: Calculus at Two-Year Colleges (IS, MI, TT)**
Joni Burnette Pirnot, Cathy R. Panik, Mary Beth Headlee

Friday 10:30 am - Noon

- C5** **McGraw-Hill Higher Education**
Check the conference program for complete details.
- C6** **Pearson: Beyond the Basics**
Irene Doo
- C7** **Interactive Mathematics eTextbooks, LLC: Using IM eTextbooks to Implement the Assessment Cycle Effectively**
Wayne Mackey, James Brunner

Friday 10:30 am - 12:30 pm

- Y3** **Investigating Teaching Practices Through Systematic Inquiry (RB, IS)**
Vilma Mesa, April Ström, Patrick W. Thompson, J. Michael Shaughnessy
- W10** **Statway: Integrating Developmental Mathematics and College Statistics (ST, D)**
John L. Climent, Roxy Peck, Robert (Bob) delMas, Myra E. Snell
- W11** **Helping Students Be Successful - In a Fraction of the Time! (SS, D, IS)**
Margaret M. (Peg) Balachowski, Michael A. Nevins
- W12** **Thinking It Through (IS, MI)**
Paula McKenna, Brian D. Hons
- W13** **Using Dynamic Software to Enhance Understanding (TT) *[bring your laptop]***
Douglas Butler

Friday 10:30 am - 1:25 pm

Themed Session

- T3** **Innovative Teaching and Learning Techniques**
- T3A** **Promote Active Learning Using Real-World Applications (IS)**
Frank C. Wilson
- T3B** **Digital Learning Projects (IS, TT, TP)**
Maria Andersen
- T3C** **Symbolic Processors: Wave of the Future? (TT, IS)**
Fred Feldon
- T3D** **Beyond Tables – Introductory Statistics (ST, TT, IS)**
Dianna Cichocki
- T3E** **Tutoring Students Online: Best Practices (SS)**
Ruth Geiman

- T3F** **The Next Step! ... YouTube and Your Tablet PC! (TT, IS)**
Oraldo (Buddy) Saucedo
- T3G** **Where is Math 2.0? (TT, IS)**
Cal Stanley
- T3H** **Reflections of Online Math Students: What Matters to Them? (TT, RB)**
Behnaz Rouhani
- T3I** **GeoGebra: What to Do When You've Lost Your Foci (TT, IS)**
Alison J. Schubert

Friday 11:45 am - 12:35 pm

- S65** **Bridging the Gap: Real Data → Classroom Activities (IS, TT)**
Martha T. Goshaw
- S66** **Is People's Behavior Predictable? (G, H, C)**
Gary K. Rockswold
- S67** **Apparent Aging: An Explanation of a Common Paradox (MI, IS, G)**
Joseph Browne
- S68** **The Eureka! Experience – Instructional Techniques that Encourage It (IS, D)**
Alan Tussy
- S69** **Multiplication: Elementary Mathematics that Is Not so Elementary (TP)**
Rebecca Metcalf, Jane E. DeVoe
- S70** **Glitzy Math: The Mathematics of Computer Graphics (GE, G, TT)**
Thomas L. Pirnot
- S71** **How Open Licensing Improves Textbooks and Careers (TT, IS)**
Barbara S. Illowsky

Boston Program Key

| | |
|----|---|
| A | Assessment (Classroom, Course, Program) |
| C | Connections (Articulation with K-12, Universities, Business, Interdisciplinary Classes, etc.) |
| D | Developmental Mathematics |
| DI | Department/Division Issues (Adjunct Issues, Mentoring New Faculty, etc.) |
| G | General Interest |
| GE | Mathematics for General Education (Finite Mathematics, Liberal Arts, Quantitative Literacy) |
| H | History of Mathematics |
| IS | Instructional Strategies (Learning Styles, Teaching Methodologies, including Modeling) |
| MI | Mathematics Intensive (College Algebra, Precalculus and Beyond) |
| RB | Research-Based |
| SS | Student Support (Math Labs, Study Skills, Tutoring, Learning Communities, and Addressing Math Anxiety) |
| ST | Statistics |
| TP | Teacher Preparation |
| TT | Teaching with Technology (Distance Learning, Computer Software, Internet Resources, Graphing Calculators, etc.) |

Friday, November 12

S72 Outreach and Retention of Students in Mathematics (C, SS, RB)

Sangeeta Gad, Sharon Sledge

S73 Navigating the Road to Change...Stay on Course (D, DI, RB)

Wayne Humphrey, Amy Dodson

S74 Interesting Calculus Problems that Promote Understanding (MI, RB, IS)

Robert Cappetta

Friday 12:30 pm - 2:00 pm

C8 McGraw-Hill Higher Education

Check the conference program for complete details.

C9 Pearson: Personalized Homework—Changing the Way You Teach

Irene Doo

C10 Hawkes Learning Systems: All Math Software Is Not Created Equal: What's the Difference?

Brittany Walker

Friday 1:00 pm - 1:50 pm

S75 A Learning Experience with Japanese Lesson Study (G, IS)

Jessica Harnly, Mary E. Crawford-Mohat, Helen M. Doerr, Michelle A. Doucette, Tracey Clancy

S76 Off-Track to On-Track in Two Minutes? Faculty Facilitating Transfer (C, RB, G)

Becky Wai-Ling Packard

S77 Teach Students to Be Responsible Learners via New "On Course" Language (D, IS, SS)

Amber R. Severson, Jennifer Liberty-Clark

S78 Podcasting: It's Easier than You Think! (TT, SS)

Diane Koenig

S79 Calculus Unlimited (MI, IS, H)

Thomas (T. J.) Johnson

S80 Bayes' Theorem – How It Affects the Way We Decide (ST, H)

Brian E. Smith

S81 Helping Students Excel with Excel: Spreadsheets for Prealgebra to Calc (TT, IS)

Julie M. Miller

S82 Mathematics in Gaming (GE, IS)

Greg Fiore

S83 Affiliate Sharing Session (G)

Timothy F. Grosse, J. Paul Balog

S84 Developmental Mathematics: Instructor Perception of Compressed Courses (RB, D, IS)

Kristen Hathcock

S85 Integrating Math into Everyday Instruction (TP)

Linda Estes Barton, Rainy Lacy

S86 Increase Math Success to Increase Numbers of Indigenous Educators (IS, TT, RB)

Sandra Wildfeuer

S87 Teaching, Thinking, and Learning: Portfolios Across the Curriculum (A, IS)

Christopher D. Oehrlein

Committee Meeting

1:00 pm - 1:50 pm

Developmental Mathematics

Friday 2:15 pm - 3:05 pm

S88 Transition to Post-Sec Educ - Reasoning in Common Core Math Standards (C, DI, MI)

Henry S. Kepner, Jr.

S89 Tales from Math Autobiographies (D, IS, RB)

Victoria C. Wacek, Janet E. Teeguarden

S90 Probability that Everyone Should Know (ST, GE)

Marty Triola

S91 Is NCAT Redesign Compatible with AMATYC Standards? Does it Work? Yes! (IS, TT, RB)

Byron A. Dyce, Katey S. Arnold

S92 Integrating Math Concepts in Culinary: Secret Ingredients for Success (C, IS, D)

Linda Padilla, Michael J. McGreal

S93 So You Have a Tablet PC, Now What? (TT, IS)

Elizabeth M. Hamman

S94 Making Communication and Feedback Fun Using Jing (TT, IS)

Alketa Gjukuria, Kim J. Sheppard

S95 Removing Affective Barriers in the Online Learning Environment (TT, D, IS, SS)

Lawrence D. Perez, Patrick Quigley

S96 Reflecting on Current Practice Using 19th Century Voices (H, D, G)

Marcus Jorgensen

S97 A Conversation with the Board (G)

Rob Farinelli, Jim Roznowski, Mike Hardie, Donna B. Saye

Friday 2:15 pm - 4:15 pm

W14 Pathways to Calculus: A New Roadmap for Teaching Precalculus (RB, IS, MI)

Marilyn Carlson, April Ström

W15 Growing Dendrites: Real-World Activities that Support Learning (IS, A, RB)

Scott L. Adamson

W16 Facilitating Discussions in Online Mathematics Classes (TT, IS)

Maria Wise

Friday, November 12

- W17** Bridges that Don't Fall Down: Geometric Structures of Early Rome (TP, GE, RB)
Mel Griffin
- W18** Ten Cooperative Learning Techniques for Building Classroom Communities (IS, GE, SS, G)
Mark D. Colgan
- W19** Creating Interactive Mathematics Web Pages with CaluMath (TT, MI) *[bring your laptop]*
Peter S. Turbek
- PS1** AMATYC Poster Session: In the Classroom and Beyond
See page 10 for a list of posters.

Friday 2:30 pm - 4:00 pm

- C12** Pearson: Strategies for Instructional Design
Diane Gray
- C13** Hawkes Learning Systems: All Math Software Is Not Created Equal: What's the Difference?
Brittany Walker

Friday 3:30 pm - 4:20 pm

- S98** Mixture Problems: Past, Present and Future (IS, MI, GE, C)
David J. Graser
- S99** Exploring the Beauty of Escher's Art of Vanishing Patterns (GE, G, C)
Ed Morris
- S100** Classroom Activities for Elementary Statistics (ST, IS)
Gary R. Tataronis
- S101** Methods and Examples that Engage and Entertain Students (IS, GE, MI)
Tingxiu Wang, Kevin Anderson, Tim Miller
- S102** From Experience to Abstraction: Introducing Algebra in Context (D, IS)
Ron Dassanayake
- S103** So, You Have an Idea and Need Grant Funding! (G)
Dana T. Calland, Nancy J. Sattler, Mary Kay Abbey
- S104** AMSER – Using Our Free Online Applied Math Resources in the Classroom (TT, G, SS)
Chanda Halderman, Rachael Bower
- S105** Climate Change: Impact and Opportunities (C, MI, ST)
Deborah Hughes Hallett
- S106** Developmental Mathematics Students Learning Online – Is It Possible? (TT, D)
Connie Rost
- S107** Follow the Journey of OCCC's Developmental Mathematics Transformation (D, IS, SS)
Linda R. Knox, Marsha A. Austin, Dale Duke

Friday 4:30 pm - 5:30 pm

Special Event

4:30 pm – 5:30 pm



7th Annual Faculty Mathematics League Competition

Compete for individual prizes as well as the traveling Regional Championship Trophy!
Bring your calculator.

Committee Meetings

4:30 pm - 5:30 pm

Division/Department Issues
Mathematics for AAS Programs
Placement and Assessment
Research in Math Education in Two-Year Colleges
Teacher Preparation

Friday 4:30 pm - 6:00 pm

Committee Meetings

4:30 pm - 6:00 pm

Innovative Teaching and Learning
Mathematics Intensive/College Mathematics
Statistics

Places to Visit in Boston

- ◆ Beacon Hill
- ◆ Boston Common
- ◆ Boston Public Gardens
- ◆ Bunker Hill
- ◆ Bunker Hill Community College
- ◆ Cambridge – Harvard and MIT
- ◆ Cheers Bar
- ◆ Chinatown
- ◆ Christian Science Mother Church and Mapparium
- ◆ Copley Square
- ◆ Faneuil Hall
- ◆ Fenway Park
- ◆ Freedom Trail
- ◆ Government Center
- ◆ JFK Library
- ◆ Museum of Fine Arts
- ◆ Museum of Science
- ◆ Newbury Street
- ◆ New England Aquarium
- ◆ North End – Little Italy
- ◆ Old and New State House
- ◆ Old North Church
- ◆ Old West Church
- ◆ Paul Revere House
- ◆ Prudential Center
- ◆ Quincy Market
- ◆ Roxbury Community College
- ◆ Sam Adams Brewery
- ◆ Site of Boston Massacre
- ◆ South End
- ◆ Symphony Hall
- ◆ Theatre District
- ◆ Trinity Church
- ◆ USS Constitution – “Old Ironsides”
- ◆ West End

◆◆ More information about these and other attractions can be found at www.bostonusa.com.◆◆

POSTER SESSION

Friday, November 12 ♦ 2:15 pm - 4:15 pm
Check the Conference Program for descriptions.

- **The Math DL Developmental Math Collection: Using and Contributing**
Guillermo Alvarez
- **Attempted Techniques for Motivating Students**
Libby Arnesen, Keturah Johnson
- **Who Says There's No Reading in Math?**
Katie Cerrone Arnold, Alia Criddle Maw
- **Bears in Space! A Data Collection Project for Introductory Statistics Courses**
Peg Balachowski
- **Service Learning**
Clare Banks
- **Intermediate Algebra Tutorial: A Sabbatical Project**
Andrew Beiderman
- **Teaching Precalculus with GeoGebra**
Christine Brady, Vera Hu-Hyneman
- **Lesson Study: Professional Development for College Teachers**
Rama Chidambaram
- **Reading for Concepts**
Vanessa L. Coffelt
- **Grading Homework to Improve Student Success**
Eric Compton
- **Interactive Homework vs. Traditional Methods in Developmental Math**
Mark Delcambre
- **Variation on Gauss-Jordan Method for Finding Inverse Matrices**
Stephan DeLong
- **Brief Mathematics Refresher Lesson Preceding a General Physics Course**
Natalia M. Dushkina
- **Some Students Like to Write – So, Let Them Write in Math!**
Edward A. Gallo
- **Measuring the Reliability of Common Exams Using Item Response Theory**
Jim Gleason
- **Math Opens the Door Scholarships Program**
Steven Grosteffon
- **Test Preparedness After Using Software Homework vs. Textbook Homework**
Lisa Harden
- **Daily Quizzes: Road to Improving Attendance and Homework Completion**
David Henry
- **Math: Much More than Numbers**
Leandro Junes
- **Summer Bridge Using Software**
Corrine Kirkbride
- **Making Measures of Central Tendency Personal to Your Students**
Susan Knights
- **Backgammon: A Plentiful Source of Mathematical Examples**
Robert Koca
- **So You Like to Travel**
Bernadette Kocyba
- **What's New in International Mathematics Education!**
Stephen A. (Steve) Krevisky
- **It's Not Your Mother's Calculus Anymore**
Jim Langley
- **Is a Success Rate of 70% or Better Possible in Intermediate Algebra?**
Barbara Leitherer
- **Mathematics Across the Community College Curriculum (MAC³)**
Deann Leoni
- **Online Office Hours with Audio and a Whiteboard**
Nicole Lloyd
- **Basic Algebra Group Work: Lessons Learned the Hard Way**
Martha Makowski
- **South Carolina Course Alignment Project (SC CAP)**
Gerald L. Marshall, Sherrie Holland
- **A Stochastic Model to Determine the Value of a Lost Testicle**
Melvin H. Mays
- **Crockett Johnson: Painter of Theorems**
Robert McGee, Kathleen A. Acker
- **Interactivities for College Algebra and Precalculus with GeoGebra**
Revathi Narasimhan
- **Advising the LACC Math Club, Preparing Students for the AMATYC Contest**
Anatoliy Nikolaychuk
- **Innovative Teaching and Learning Committee**
Mary Beth Orrange
- **Math Intensive Committee: An Invitation to Participate**
Sandra Poinsett
- **A Quick View of the Placement and Assessment Committee**
Lucio Prado
- **Culturally Relevant Geometry**
Sonya Rahrovi, Selina Mireles
- **Ensuring that Students Place into College-Level Mathematics**
Laura Reed
- **Integrating a Project Component into a Calculus II Course**
Ira Rosenthal
- **New Life for Developmental Mathematics**
Jack Rotman, Julie Phelps
- **Sophisticated Algebraic Skills for Intermediate Algebra Students**
Rebecca Rozario
- **Mathematics for AAS Programs Committee**
Ned Schillow
- **Dynamic Visualization Tools for Multivariable Calculus (NSF #0736968)**
Paul Seeburger
- **Using Varied Methods to Create a Successful Learning Environment**
Jim Sheff
- **Division/Department Issues Committee**
Sean Simpson
- **Motivating Developmental Mathematics Students**
Kate Sims-Drew
- **Read Your Textbook!**
Elizabeth Stepp
- **RMETYC: Research in Mathematics Education in Two-Year Colleges**
April Ström
- **Lose the Book, Use the Software!**
Ria Thomas
- **Bypassing a College Placement Test**
Jennie Thompson, Donnabelle Pascual
- **Promoting Confidence and Understanding in Mathematics Courses**
Ben VanDerLinden
- **Concentration Specific Applications Increase Student Motivation**
Matthew Watts
- **Spotlight on Instruction**
Stephanie Whitt
- **Proofs for $1 = .999 \dots$ in Developmental Mathematics**
Chris L. Yuen
- **A Pilot Study for Teaching Factoring to Visual Learners**
Jack Zhang

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
 Rob Farinelli, AMATYC President

Speaker: Lew Lefton
Infinity Bottles of Beer on the Wall

Saturday 10:00 am - 10:45 am

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

- Saturday 10:45 am - 11:35 am**
- S108 **Bringing New Life to Developmental Mathematics (D, G)**
Jack W. Rotman
- S109 **Issues of the Transition to College Calculus (C, RB)**
David Bressoud
- S110 **Clicking Basic College Mathematics and Beyond (TT, D, IS, RB)**
Jerry J. Chen, Myung-Chul Kim
- S111 **Spiced Up Mathematics (IS)**
John W. Coburn
- S112 **Creating Lecture Guides to Promote Active Student Learning (IS, D)**
Brian Mercer, James W. Hall
- S113 **Disparate Expectations and the Transition from High School to College (SS, IS, C)**
Sherri A. Messersmith
- S114 **How Can We Measure Teaching and Learning in Mathematics? (RB, G)**
Maria Andersen
- S115 **Self-Paced Math Lab Courses: Success for All Students (IS, D, TT, RB)**
Kim Tsai Granger
- S116 **CODEE -- A Community of Ordinary Differential Equations Educators (MI, IS, TT)**
Mike E. Martin

- S117 **Real Mathematicians Do Number Theory (GE)**
James T. (Jim) Johnson
- S118 **Online Mathematics Teacher Education Course: Challenges & Successes (TT, TP)**
Behnaz Rouhani
- S119 **Are We Speaking the Same Language? (G)**
Bob Prior
- S120 **Projects for Assessment in Business Statistics (Classroom and Online) (A, ST, TT)**
Joseph J. Sukta

Saturday 10:45 am - 12:15 pm

- C14 **Pearson: Creating Custom Exercises in the XL Player**
Irene Doo

Saturday 10:45 am - 12:45 pm

- W20 **Building a Structurally Sound Research Bridge for Mathematics Equity (RB, DI)**
Irene M. Duranczyk, Taylor A. Jensen
- W21 **M & M's: Making Mathematics Meaningful, Motivational, and Mental (IS, MI, RB)**
Frank E. (Trey) Cox
- W22 **Dynamic Visualization Tools for Multivariable Calculus (TT, MI) *[bring your laptop]***
Paul E. Seeburger

Committee Meeting
 10:45 am - 12:45 pm
 2011 Conference Planning

Saturday Noon - 12:50 pm

- S121 **Inference for Proportions: One Model – Three Activities (ST, IS)**
Jennifer M. Bergamo, Kathleen A. Cantone, Bridgette L. Jacob
- S122 **Engaging Preservice Teachers in Children's Mathematical Thinking (TP, IS, RB)**
H. Michael Lueke
- S123 **A Comparison of Developmental Mathematics Models in Canada and the US (D, IS, A, RB)**
Henry Owh, Andre Freeman
- S124 **Mysteries and Histories of Pi (H, G, GE)**
Janet E. Teegarden
- S125 **Innovative Teaching and Learning Sharing Session (IS, G, TT)**
Mary Beth Orrange, Dan G. Petrak, George M. Alexander
- S126 **Course Redesign at Pierce: What Works and What Still Needs Work (D, SS, TT, IS)**
Katherine Yoshiwara, Bob Martinez

Saturday, November 13

- S127 **CONNECT Math: Discuss Essential Topics in Calculus I and Statistics (C, DI, ST, MI)**
Rebecca Metcalf, Jane E. DeVoe, Jack Keating,
Mary Kehoe Moynihan, Elaine A. Previte, Greg Sethares
- S128 **Effect of Learning Communities on Developmental Math Student Success (RB, D, SS)**
Tammi B. Marshall
- S129 **Exploring Technologies for Teaching Mathematics at a Distance (TT, IS)**
Norma Bisulca, DeAnna McAleer, Linda Rottmann,
Fred Brown
- S130 **A Dozen Strategies to Motivate Developmental Mathematics Students (IS, D)**
Geoffrey Akst, Sadie C. Bragg
- S131 **Adjuncts Do Not Grow on Trees (DI, G)**
Ken Hurley
- S132 **Various Intervention Strategies in a Developmental Mathematics Program (D, IS, SS)**
Aparna B. Ganguli
- S133 **Calculus, Russell's Paradox, and the Kitchen Sink (MI, H)**
Travis Thompson

Saturday 1:00 pm - 2:30 pm

- C16 **Pearson: MyMathTest Strategies for Placement and Remediation**
Diane Gray

Saturday 1:15 pm - 2:05 pm

- S134 **Reconceptualizing Algebra: From Gateway for Some to Highway for All (G, C, TP)**
Monica M. Neagoy
- S135 **Reasoning About Distributions in Introductory Statistics (ST)**
Roxy Peck
- S136 **Transform Antiquated Word Problems into Lively Authentic Applications (D, IS, TT)**
Jay Lehmann
- S137 **Problem Recognition: Building Connections in College Algebra (MI, IS)**
Molly O'Neill
- S138 **The Mathematics of RSA Encryption Over the Internet (G, H)**
Glenn G. Caesar
- S139 **Building Bridges, Not Walls: A Campus-wide Approach to Math Success (SS, DI)**
Carolyn Hamilton, Kathryn van Wagoner
- S140 **Teaching Mathematics with GeoGebra (TT, IS)**
Irina Boyadzhiev

- S141 **The Instructional Perspectives of CC Mathematics Faculty (RB, IS, G)**
Laurie K. McManus
- S142 **New Approaches to Developmental Mathematics: Student, Teacher Feedback (D, TT, IS)**
Ruth Rominger
- S143 **Course-Level Assessment (A)**
Alice Williamson
- S144 **MAC 'n MOD Hands-on (C, IS)**
Carol Hay, Beth Fraser, Carol Henry, Dora Ottariano,
Michael Williamson

Saturday 1:15 pm - 3:15 pm

- W23 **Final Exams 101 (A, D)**
Frank N. Monterisi Jr.
- W24 **Innovative Developmental Teaching at the City University of New York (D, IS, SS, RB)**
Steve Hinds, Kevin Winkler, Christina Masciotti
- W25 **One Computer in the Classroom (TT, IS)**
[bring your laptop]
Alan Catley

Saturday 2:30 pm - 3:20 pm

- S145 **SCC Advance: Strengthening Foundations of STEM Education (MI, C, A)**
Heather Edwards, Cynthia Y. Young
- S146 **Fermat's Last Theorem (MI, H, G)**
Javier Gomez-Calderon
- S147 **Seeing Mathematics in Art (C, GE)**
Brenda K. Edmonds
- S148 **Instructional Tools for the Finite Mathematics Classroom (TT, GE, IS)**
Timor Sever, Michael Granado
- S149 **SIRIUS Computer-Assisted Model for Teaching Mathematics (TT, IS)**
Nancy D. Eschen, Jerrett Dumouchel
- S150 **Lighten Up! Adding Humor to Your Lessons Is Easier than You Think (GE, IS)**
Annette G. Cook
- S151 **Effective Research-based Professional Development for Multi-Campuses (RB, A, DI)**
Cheryl Keeton
- S152 **Teaching Developmental Mathematics – It's Not Just About the Content! (D, IS, SS)**
Lynn Marecek, Mary Anne Anthony-Smith

Saturday, November 13

- S153 **Six Ways to Connect Your Classroom with the Real World (TT, IS, ST)**
Douglas Butler
- S154 **Sharing Session of Best Practices in College Algebra and Courses Above (IS, MI, RB)**
Sandra Poinsett, Martha Nega
- S155 **Teaching Mathematics or Statistics for Online or Hardcopy Note-Taking (TT, IS)**
Nancy Pfenning

Saturday 4:30 pm - 6:30 pm

Delegate Assembly

Delegates are to be seated by 4:15 pm.

Sunday, November 14

Sunday 8:15 am - 9:05 am

- S156* **Is People's Behavior Predictable? (G, H, C)**
Gary K. Rockswold
- S157 **Elementary Statistics: A History of Controversy (ST, H)**
Joseph Manthey
- S158 **The Big Read: Integrating Mathematics and Literature (C, G, D)**
Dona V. Boccio
- S159 **Translated Trigonometric Graphs - Sine and Cosine Curves (MI)**
Cathey Jordan
- S160 **Simple, Tried & True Instructional Techniques for Teaching Mathematics (IS, MI)**
Farajollah (Fred) Katiraie
- S161 **Self-Regulated Learning: Empowering Developmental Mathematics Students (IS, D, A)**
Charlotte Skinner
- S162 **Fast Track - Intermediate & College Algebra in One Semester (IS)**
Mari M. Peddycoart

Sunday 9:25 am - 10:15 am

- S163* **Probability that Everyone Should Know (ST, GE)**
Marty Triola
- S164* **Look at Mathematics: Examples from the World of Art (G, C, GE)**
Marcia (Marty) Kemen

- S165* **The Archimedean Screw and Helix for Mathematician and Tourist (G, H, MI)**
Alice Kaseberg
- S166 **Getting Students to Acknowledge They're Stakeholders in Their Learning (D, IS)**
Donna A. Hiestand-Tupper, Christine S. Mirbaha, Kristin M. Duckworth
- S167 **GPC MESA: Recruiting, Retaining, and Transferring STEM Students (SS, C, G)**
Kouok K. Law
- S168 **Is this Algebra or Geometry? (IS, H)**
Natalya Vinogradova, Larry Baline
- S169 **Inquiry in Differential Equations: A Teacher's Reflections (IS, MI)**
Keith Nabb

* **Encore Presentation**

Sunday 10:30 am - 11:15 am

Closing Session

Rob Farinelli, AMATYC President

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

Austin 2011

Program proposals to present in Austin can be submitted at the AMATYC website, www.amatyc.org, beginning November 1, 2010. 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 Austin is **February 1, 2011**.

Instructions for Completing Registration Form

1. One registration form per person

Form may be duplicated. No phone registrations. **You are encouraged to register online at www.amatyc.org.**

2. Member versus Non-member Rate

The non-member rate does not include an AMATYC membership. If you desire to attend the conference and become a member of AMATYC, then select the AMATYC member registration category and select a dues rate. Dues rates are as follows:

| | |
|---------|---|
| Active | \$80 per year/\$155 for 2 years/ \$225 for 3 years |
| Adjunct | \$40 annual dues |
| Retired | \$40 annual dues |
| Student | \$10 annual dues (full-time student sponsored by AMATYC member) |

If you are unsure of your membership status, look at the mailing label on the back of your miniprogram. You will see a member number and expiration date. If the prefix is "A", "J", "R", "P", or "S" and has an expiration date of 11/30/10 or later, you are presently an active member in good standing and should register as an AMATYC member. If your expiration date is prior to 11/30/10, you will need to include your dues payment with your conference registration or register as a non-member.

If the prefix is "P" and no expiration date appears, then you are not an AMATYC member. Should you desire to become an active member, then select the appropriate AMATYC member registration category and the applicable dues rate. If you only want to attend the conference and not be an active member, then select the non-member registration category.

If the prefix is "T", see the instructions emailed to the Institutional Member contact person. If you do not know who that is or do not have access to the information, call or email the office.

Should a label not appear or if you are unsure of your membership status, please call or email the office for verification.

3. First-Time Attendee (FTA) Discount

If you have never attended an AMATYC conference, you are eligible to apply a \$50 credit toward your registration fee. Be sure you check YES to the "Is this your first conference?" question 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.

4. Single-Day Rate

You may select **only one** day – Thursday, Friday, or Weekend (Saturday/Sunday). Member and Non-member rates apply. Single-day registration does not include tickets for food functions.

5. Foundation Donations

Please consider making a donation to the AMATYC Foundation, either by attending the fascinating Foundation-sponsored Magic Show (see page 6 or 22) and/or by making a separate donation. You can make contributions on the conference registration form. Any donations made with the conference registration, except for the Magic Show, are eligible for the on-site drawing in Boston. Bring your conference receipt to the registration desk for assistance.

AMATYC is a 501(c)(3) charitable organization, and all Foundation donations are deductible to the extent provided by law.

6. Saturday Breakfast Choices

Non-vegetarian: includes meat serving
Vegetarian: low-fat/vegetarian

7. Guest Tickets/Single-Day Registrants

A guest can be registered at no cost provided the guest is not a mathematics educator or author. Guest registration does not include attendance at workshops or the special functions – Friday Continental Breakfast and Saturday Awards Breakfast. Special function tickets can be purchased for your guest. **Your conference registration fee includes one ticket for each special function, unless you register for a single-day only.** Purchase a ticket only if you are a single-day registrant or if you would like a ticket for your guest.

8. Deadlines

To qualify for the discount rate, if submitted via mail, registration form with payment must be postmarked on or before September 30, 2010. If submitted via the web or faxed, the completed registration form must be received on or before October 7, 2010. Registrations that do not meet these deadlines will be processed at the regular rate.

Do not mail the registration form after October 7, 2010. **Do not fax** registra-

tion form with credit card information or register online after October 14, 2010. **After these dates, registration will be available on-site only.**

9. Refund Policy

A refund of 100% of your registration fee less a \$10 service fee will be given upon receipt of a written request postmarked by **October 27, 2010**. A 50% refund less a \$10 service fee will be given if your written request is postmarked on or after October 28, 2010, and by November 10, 2010. No refunds will be given for requests postmarked on or after November 11, 2010. Requests for return of overpayments must be in writing and received by the AMATYC Office no later than December 15, 2010. 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.

10. AMATYC Mailing Lists

AMATYC sometimes provides a mailing list to external agencies on a one-time-use basis if the information to be distributed would be of interest to AMATYC members. If you check the block indicating you wish your name excluded from any non-AMATYC mailing lists, your mailing information will not be provided to external agencies.

11. 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 requiring special accommodations should contact Beverly Vance before October 22, 2010, at 901.333.6243 or bvance@amatyc.org.

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

American Mathematical Association of Two-Year Colleges

36th Annual Conference • Register online at www.amatyc.org

➤➤ Extended Discount Registration Deadline ◀◀

To qualify for the discount rate, registration form with payment must be postmarked, if submitted via mail, on or before September 30, 2010. If submitted via the web or faxed, the completed registration form must be received on or before October 7, 2010.

Is this your first AMATYC conference? Yes No
 If first conference, you are encouraged to attend "AMATYC 101" and the reception for first-time attendees. (See page 21 for details.)

Name _____
Please type or print legibly.

Nickname on Badge _____

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

****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.**

Preferred mailing address is: College Home

College _____

College Address _____

City _____ State _____ Zip _____

Email Address _____

College Telephone(_____) _____

Residence Telephone(_____) _____

Residence Address _____

City _____ State _____ Zip _____

Check here if you wish your name to be excluded from the AMATYC Directory.

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

ADA Accommodations: See facing page or page 21 for instructions.

Guest of Attendee Registration (See facing page or page 20 for eligibility.)

(Please type or print **guest's** name as it should appear on name badge.)

Saturday Breakfast Choices (choices are available until 10/7/10)

Non-vegetarian Vegetarian

Single-Day Registration (Select one box only.)

Thursday Friday Weekend (Saturday/Sunday)

Type of Payment: (Payment must accompany purchase order.)

Make check payable to **AMATYC** (in U.S. funds only) and mail check or money order and registration form together to: AMATYC Office, 5983 Macon Cove, Memphis, TN 38134 or forms may be faxed to 901.333.6251 if using credit card for payment. Do not mail form after October 7, 2010. Do not fax form after October 14, 2010.

AMATYC Member

| | | |
|-----------------------|-------|----------|
| Discount Registration | \$340 | \$ _____ |
| Regular Registration* | \$380 | \$ _____ |
| Single Day, Discount | \$130 | \$ _____ |
| Single Day, Regular | \$150 | \$ _____ |

AMATYC Non-Member

(Registration **does not** include a one-year membership)

| | | |
|-----------------------|-------|----------|
| Discount Registration | \$445 | \$ _____ |
| Regular Registration* | \$485 | \$ _____ |
| Single Day, Discount | \$155 | \$ _____ |
| Single Day, Regular | \$175 | \$ _____ |

*postmark after 9/30/10, online or fax after 10/7/10

First-Time Attendee (FTA)

\$50 Discount for FTA (if eligible) (\$ 50) \$ (_____)

AMATYC Membership Dues

| | | |
|--------------------------------------|--|--|
| Active | | |
| <input type="checkbox"/> \$80-1 year | <input type="checkbox"/> \$155-2 years | <input type="checkbox"/> \$225-3 years |
| Adjunct | \$ 40 | \$ _____ |
| Retired | \$ 40 | \$ _____ |
| Student (Sponsor: _____) | \$ 10 | \$ _____ |

(Your expiration date will be extended as selected above beyond current expiration date.)

AMATYC Foundation

| | |
|----------------------------------|----------|
| Magic Show _____tkts. @ \$35/ea. | \$ _____ |
| Please consider a donation | \$ _____ |

Guest of Attendee/Single-Day Tickets

Registrant for full conference receives one ticket for each function. Tickets may be purchased for guests and single-day registrants.

| | |
|--|----------|
| Friday, Nov. 12 Continental Breakfast | |
| _____guest tkts. @ \$40/ea. | \$ _____ |
| Saturday, Nov. 13 Awards Breakfast | |
| _____guest tkts. @ \$40/ea. | \$ _____ |
| Breakfast: <input type="checkbox"/> Non-vegetarian <input type="checkbox"/> Vegetarian | |
| (choices are available until 10/7/10) | |

TOTAL \$ _____

AMATYC Tax ID #11-2531258

Check # _____ Visa Mastercard
 American Express Discover

Check or Credit Card Payment: College/Business Personal

Credit Card # _____
Please print credit card # clearly.

Exp. Date _____ CV Code _____
Number is found on back of the card.

Signature _____

Name on card _____

The billing address for this credit card is the same as:

College/Business Residence

If billing address is different from above, provide the following information:

Address _____

City _____ State _____ Zip _____



FOR YOUR INFORMATION



Getting There

(all prices quoted are subject to change)

Airport/Hotel Transportation

Logan International Airport occupies a peninsula just south of East Boston, three miles east of downtown across Boston Inner Harbor. Logan functions as New England's hub airport and serves most major airlines.

As tunnel traffic jams are common, the quickest and easiest way to reach downtown Boston is by subway and bus. Combined fare for this option is \$2; the trip will take about 20 minutes. Check www.massport.com for more information on any of the following options.

Start with the free shuttles from each of the five airport terminals to the Airport "T" station on the Blue Line. Then use either Route 1 or Route 2.

Route 1: Ride Blue Line to Government Center. Then take the L.R.V. Trolley to Copley Station. Exit the station and walk past the Boston Public Library toward Saks Department Store and then turn right to the Boston Marriott Copley Place.

Route 2: Ride the Blue Line to State Street. Switch to the Orange Line (train marked Forest Hills). Exit at Back Bay Station which is behind the hotel at Copley Place.

Shared vans pick up at the airport and cost about \$15 to downtown hotels, but be aware they circle around the airport until they are full.

Taxi fares to downtown and to Cambridge run about \$30-\$40, depending on traffic congestion. Flat-rate fares are in effect beyond a 12-mile radius of downtown; ask the cab driver or Logan dispatcher for the exact fare in advance. City buses will drop off passengers at downtown hotels; bus stop signs are located outside each terminal.

Rail Service

Amtrak offers service to and from New York, Philadelphia and Washington, DC, out of Boston's South Station at Atlantic Avenue and Summer Street. Connections to all points in the national Amtrak system can be made at the Back Bay Station, 145 Dartmouth St. (across from Saks Depart-

ment Store and the hotel); call 800.872.7245 for reservations and information.

Buses

Greyhound Lines Inc., Peter Pan Bus Lines, and Vermont Transit operate from South Station.

Getting Around Boston Street System

Downtown – occupying a peninsula surrounded by the Charles River, Boston Inner Harbor and Fort Point Channel – is a challenging place for residents, let alone visitors, to negotiate by vehicle.

Fortunately, public transportation options are plentiful and the bewildering tangle of streets is easily traversed on foot.

Boston Common, bordered by Charles, Beacon Park, Tremont and Boylston streets, is a handy orientation landmark. Beacon Street, the Common's northern border and the southern base of Beacon Hill, extends east into downtown and west through the Back Bay into Brookline. Commonwealth Avenue runs parallel to Beacon Street as the Back Bay's main thoroughfare. The Back Bay's streets, in fact, do form a logical grid pattern between east-west Boylston Street and limited-access Storrow Memorial Drive, and between north-south Massachusetts Avenue and Arlington Street.

Both Beacon and Commonwealth intersect Massachusetts Avenue, which crosses the Charles River via Harvard Bridge in Cambridge. Harvard Bridge becomes Massachusetts Avenue again on the Cambridge side, passing right through the middle of the MIT campus on its way to Harvard and environs. Cambridge also can be reached from the West End via Cambridge Street, which becomes the Longfellow Bridge (SR 3) crossing the river. It changes to Main Street in Cambridge, running into Massachusetts Avenue several blocks northwest of MIT. The most direct way to get to Harvard from Boston is via the Larz Anderson Bridge, which becomes John F. Kennedy Street on the Cambridge side.

Back in Boston, Tremont Street branches off Cambridge Street, skirts the southeast side of the Common, runs southwest toward the Roxbury neighbor-

hood. Commercial Street serves as the perimeter of the North End waterfront, becoming Causeway Street on the West End side of the Central Artery and Atlantic Avenue as it turns south to pass the wharves along the waterfront. North Street takes eastbound commuters into the Callahan Tunnel, which crosses Boston Inner Harbor to the airport. Hanover and Salem streets are other major avenues bisecting the North End.

Congress Street is a major downtown and Financial District thoroughfare, crossing Fort Point Channel into the Irish neighborhoods of South Boston. Washington Street runs north through Chinatown and downtown before it becomes the Charlestown Bridge crossing the river into Charlestown.

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Note: Jaywalking is illegal in Boston; furthermore, city drivers are not known for their kindness to pedestrians, even those who have the right of way. Cross only within marked crosswalks when the light is green or with a flashing "walk" signal.
.....



Public Transportation

MBTA operates the city's trolleys, buses, boats, and subway – all of them efficient alternatives to driving. Known everywhere as the "T," Boston's rapid-transit system is the nation's oldest; the first stretch, running between Boylston and Park Streets, began operating in 1897.

Four lines – the Red, Blue, Orange, and Green – radiate from the four central downtown stations: Downtown Crossing, Park Street, State Street, and Government Center. The Green Line uses trolleys that operate both above and below ground. It also splits into four branches designated by letters: Boston College (B), Cleveland Circle (C), Riverside (D), and Heath Street (E). "T" stations are designated by the letter T within a circle. Subway maps at each station show the lines in color. "Inbound" refers to trains heading toward downtown, "outward" to trains heading away from downtown. An MBTA information booth is located on Park Street (on the Green Line outbound platform).

In-city subway fares are \$1.70 per ride for passengers who use plastic CharlieCards – the MBTA's reusable and rechargeable fare passes. However, passengers who use CharlieTickets – reusable and rechargeable paper fare passes, pay a surcharge, with in-city subway fares \$2 per ride. Outbound surface transportation is free; inbound fares from outlying designations on the Green and Red lines are as much as \$2.50. A fare pass or exact change is required. Passes can be purchased from vending machines at the Airport station (Blue Line), Back Bay station (Orange Line), Prudential station (Green Line) and South Station (Red Line). Trains run between 5:00 am and 12:30 am in most areas; check the timetables posted at the Park Street station to avoid getting stranded.

LinkPasses providing unlimited travel for 1 or 7 day periods are \$9 and \$15, respectively; under 5 travel free. Passes can be purchased at the North, South and Back Bay train stations; at the Airport, Government Center, and Alewife "T" stations; at the Boston Common Visitor Information Center and at the BosTix ticket booth at Quincy Market. Free MBTA maps of the public transit system are available at hotels, tourist attractions and at North and South Stations.

Buses and trolleys also offer service cross-town and to the suburbs. Local fares are \$1.50; express buses are \$3.50 and up. Trolley fares are based on a zone system. A fare pass or exact change is required. For additional MBTA route, schedule and fare information phone 617.222.5000, 617.222.3200 for recorded information, 800.392.6100, or TTY 617.222.5146.

Parking

On-site parking is available at the Boston Marriott Copley Place for \$35 per day. Valet parking is also available for \$42 per day. Valet parking includes in/out privileges; self-parking does not.

Conference Housing

The 36th Annual AMATYC Conference kicks off on Thursday, November 11, at the headquarters hotel, the **Boston Marriott Copley Place**, located at 110 Huntington Ave., Boston, MA 02116.

A block of guest rooms at reduced rates has been reserved at the Marriott Copley Place until October 20, 2010, 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. So make your reservation early! Be sure to mention that you are attending the AMATYC Conference if making your reservation by phone. Reservations can be made by calling Passkey Housing at 800.266.9432 (U.S. travelers) or 506.474.2009 (International travelers) or online at the website listed on the hotel form on page 17.

All hotel rooms will require a credit card guarantee in the amount of the first night's room or one night's deposit at most fourteen days after the reservation is confirmed by the hotel but before the October 20 cut-off date. Personal checks, money orders, or a valid major credit card will be needed for the deposit. All reservations held by credit card will be charged one night's deposit by October 25, 2010. All reservations made online with a credit card will receive an acknowledgement number immediately. After the cut-off date, individuals will receive a hotel confirmation number from the Marriott. Either number can be used to check-in, but the Marriott confirmation number is preferred. **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. Deposits will not be refunded for rooms cancelled less than 72 hours prior to arrival. Name changes may be made up to three days prior to arrival at no charge.

Staying in AMATYC's block of rooms at the conference hotel has many benefits. You will be in the heart of Boston's Back Bay district staying in an award-winning hotel. You will also be helping AMATYC keep down conference costs. A significant way AMATYC is able to keep our registrations 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 ac-

tion and helps AMATYC produce the best conference it can!

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 "36th AMATYC Annual Conference" link, then the "Request a roommate for the conference" link found on that page no later than October 8, 2010. 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 a roommate(s), please 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, general sessions, committee meetings, and the exhibits. Also included are the Friday morning continental breakfast for regional meetings and the traditional Saturday morning breakfast.

Reservations for workshops are no longer required. Entrance to workshops will be monitored by the presider on a first-come, first-served basis. Your official AMATYC Conference name badge is required to gain admittance. Once all seats are filled, the workshop will be considered closed and no one else may enter.

Note: 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, 2010. If submitted via the web or faxed, the completed registration form must be**

received on or before October 7, 2010.

After this date, the regular registration fee is \$380 member and \$485 non-member. **Do not mail** the registration form after October 7, 2010. **Do not fax** registration form with credit card information or register online after October 14, 2010. **After these dates, registration will be available on-site only.**

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 received in the AMATYC Office is acknowledged by an email confirmation that includes a receipt number. When registering and making your payment online, you should receive a payment confirmation screen to print and confirmation by email.

If your registration and payment is sent by mail or fax, you will receive an acknowledgement within 7 to 10 business days after receipt of the payment. An official receipt will be mailed approximately three to four weeks after the email acknowledgement. If you do not receive an email acknowledgement or an official receipt, 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 your registration fee. Be sure you check YES to the "Is this your first conference?" question 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 **only ONE** of the following options: Thursday only or Friday only or Weekend (Saturday/Sunday) only. For single-day registration rates, see the registration form on page 15.

The single-day registration includes admission to all fifty-minute sessions, workshops, general sessions, committee meetings and the exhibits for the specified day. Single-day registration **does not** include admission to the Friday Continental Breakfast or the Saturday Awards Breakfast. The Friday regional meetings following the breakfast 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 fifty-minute session or two-hour workshop provided seats are available after all AMATYC registrants are seated.

Registration Refund Policy

A refund of 100% of your registration fees less a \$10 service fee will be given upon receipt of a written request postmarked by October 27, 2010. A 50% refund less a \$10 service fee will be given if written request is postmarked on or after October 28, 2010, and by November 10, 2010. No refunds for non-attendance will be given for requests postmarked on November 11, 2010, or later. Requests for return of overpayments must be in writing and received by the AMATYC Office no later than December 15, 2010. 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 begin-

ning 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 presider on a first-come, first-served basis. Your official AMATYC conference name badge is required to gain admittance. Once all seats are filled, the workshop will be considered closed and no one else may enter. **Personal items may not be used to "reserve" seats and persons may not "reserve" seats for late arrivals. AMATYC makes no guarantee that any conference registrant will be admitted into a workshop.**

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Workshops W5, W9, W13, W19, W22, and W25 are computer workshops. AMATYC will not be able to provide computers for these workshops this year. So, please bring your own laptop.
.....

Guests of Attendees

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

Policy Related to Guests of Attendees at AMATYC Events
General Policy

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

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

In particular, guests who are minors must be accompanied by the responsible attendee parent or guardian at all times. Attendee parents and guardians should take appropriate steps to ensure that their child's behavior does not disrupt other

attendees, or infringe on their rights to the quality professional development activity they expect and for which they have paid.

Any guest should never prevent access to a session for a professional attendee – particularly, in a case of limited seating availability, materials 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 22, 2010, at bvance@amatyc.org.

Food Allergies/Special Dietary Needs

If you are attending the AMATYC conference and have special dietary needs, please contact Beverly Vance at bvance@amatyc.org before October 22, 2010. AMATYC and the Boston Marriott Copley Place will work with you to ensure your dietary needs are met.

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.

Special Events

Themed Sessions

There are three themed sessions this year. The first two below will be held Thursday morning with the remaining one scheduled for Friday following the Regional Breakfasts.

“Emerging Applications: Tomorrow’s Careers” presented by the Mathematics for AAS Programs Committee provides examples of how today’s curriculum is changing to address the evolution of technology, fields of employment, mathematical literacy expectations, and educational best practices. Together these issues are driving ongoing reinvention and modification of what is taught in AAS program mathematics classes.

“Precalculus, Calculus, and Beyond” organized by the Mathematics Intensive/College Mathematics Committee offers a variety of presentations focusing on the courses above developmental mathematics. The various presentations offer ideas that can be taken back and quickly adapted to use in the classroom.

“Innovative Teaching and Learning Techniques” from the Innovative Teaching and Learning Committee features creative methods to teach mathematics. These methods have been successfully used by experienced math educators and range from real-life applications to math for teachers, software applications, and suggestions for statistics classes.

Academic Committee Meetings

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. Each committee meets at least once during the annual conference. Committee meetings are open to all interested individuals and provide opportunities to become more involved in AMATYC. Check the program listing for the scheduled times of the following academic committee meetings: Developmental Mathematics, Division and Department Issues, Innovative Teach-

ing 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.

Poster Session

What new projects related to mathematics education are your colleagues involved in around the country? This year’s poster session will be held on Friday afternoon from 2:15 pm until 4:15 pm and will highlight creative and practical ideas. AMATYC’s academic committees will also provide information detailing their goals and current projects. Visit the poster session to get ideas for your classroom or find out how AMATYC’s committees can be of assistance to you. Expect to come away with ideas!

Special Sessions

Take advantage of two specially designed sessions organized and presented by members of the AMATYC Executive Board. These sessions will answer your questions about AMATYC and assist you in making the most of the professional development opportunities that are available during the conference and throughout the year.

On Thursday at 9:00 am, Jean Woody (Southwest Region VP) and Jane Tanner (Northeast Region VP) will host “AMATYC 101.” If you are new to AMATYC or attending your first conference, join Jean and Jane to learn how to maximize your conference experience. Meet other first-time conference attendees, enjoy conversation with colleagues, and get your questions about AMATYC and the conference answered.

On Friday at 2:15 pm catch “A Conversation with the Board” presented by Rob Farinelli (President), Jim Roznowski (President-Elect), Mike Hardie (Treasurer), and Donna Saye (Southeast Region VP). Learn more about AMATYC by taking advantage of this opportunity to engage in conversation with members of the AMATYC Executive Board. Bring your questions and meet the volunteers who lead AMATYC on your behalf.

Reception for First-time Attendees

Will Boston be your first AMATYC conference? If so, take advantage of this special reception at 6:00 pm Thursday,

November 11, in addition to attending “AMATYC 101” described above. First-time attendees who self-identify on the registration form by checking “yes” following the question, “Is this your first AMATYC conference?” will receive an invitation. If you are new to the AMATYC conference scene, take advantage of this opportunity to enjoy refreshments, stimulating conversation, and make connections.

Faculty Math League Competition

Come participate in the Seventh Annual Faculty Math League (FML) contest. This year’s contest will be held Friday afternoon at 4:30 pm following the end of the day’s sessions and workshops. 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.

Affiliate Sharing Session

Affiliate leaders and members are invited to attend the Affiliate Sharing Session on Friday, November 12 at 1:00 pm hosted by Timothy Grosse and Paul Balog. 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, how to strengthen and grow your affiliate, and other questions from the group. Share your ideas and learn from others!

2010 Department/Division Chairs’ Colloquium

The Department/Division Chairs’ Colloquium will be held on Thursday from 12:30 pm to 2:30 pm. This popular, annual colloquium provides an opportunity to dialogue with other department leaders in an informal, but structured setting. Learn what other mathematics departments are doing, what challenges they are facing, and how they are addressing them.

Exhibits Grand Opening and Dedicated Exhibit Times

The always exciting Grand Opening of the exhibit area will take place Thursday, November 11, at 4:45 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.

Take advantage of dedicated time to visit exhibitors. AMATYC is pleased to feature our exhibitors on Friday from 9:45 am - 10:30 am and Saturday from 10:00 am - 10:45 am. This dedicated time 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 4:45 pm - 7:30 pm
Friday 9:30 am - 1:00 pm
and 1:45 pm - 5:00 pm
Saturday 9:45 am - 1:00 pm
★Dedicated Times★
Thursday 4:45 pm - 7:30 pm
Friday 9:45 am - 10:30 am
Saturday 10:00 am - 10:45 am

AMATYC Forums

Two forums will be held Thursday, November 11. While these forums are of special interest to AMATYC Delegates, everyone is invited to participate.

Conversations About AMATYC

Moderators: Rob Farinelli, Mike Hardie, Rikki Blair, and Jane Tanner
7:00 pm - 7:30 pm

This forum is an opportunity for AMATYC members to ask questions, share ideas, or just talk about AMATYC present and future.

Forum on Strategic Planning

Moderator: Jim Roznowski
7:30 pm - 8:00 pm

AMATYC’s Strategic Plan for 2012 through 2017 is currently being developed. In simple terms, our strategic planning determines where AMATYC will be going over the next several years and how we are going to get there. Please, take this opportunity to offer your input.

Magic Show—“Bamboozled in Boston”

On Thursday beginning at 8:30 pm AMATYC illusionist, Phil Cheifetz, will amaze you with his special magic! For a fun evening with the Master of Magic, purchase your tickets early at \$35 each. With limited seating for the show, tickets will go fast.

As with any AMATYC Foundation event, your ticket purchases are tax-deductible donations (to the extent provided by law) to the AMATYC Foundation. The AMATYC Foundation uses these funds to support AMATYC projects.

Regional Meetings & Continental Breakfast

Get to know the people and activities in your region, and interact with your regional vice president on Friday, November 12, at 7:45 am while enjoying a continental breakfast. Be sure to bring your ticket for the breakfast.

Network with colleagues from colleges and AMATYC affiliates in your region. 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 4:30 pm. Delegates will receive an email with the agenda and meeting information. Contact your regional vice president if you are a delegate and have not received this email by early October. Members who are not delegates may attend the Delegate Assembly in a special seating section.

General Information

Weather

The normal high temperature in Boston in November is 52 degrees with a low of 38 degrees. Weather in Boston can be very unpredictable so bring a warm jacket, a sweater and a light jacket. One never knows! That is one of the charms of our city.

See the Sights

Duck Tours (www.bostonducktours.com) and hop-on, hop-off trolleys stop just across the street from our hotel. You can find more information about the sites on the Boston Convention Bureau’s website (www.bostonusa.com). Do not forget the large display of brochures for local attractions near the hotel lobby leading across the road to the Prudential area. Walk the Freedom Trail and visit Faneuil Hall Market Place.

Boston Shows

Across the street near the Trinity Episcopal Church (across from the Boston Public Library) is the Bostix Ticket booth which sells ½ price show tickets on the day of the show. Also check out the web site www.bostix.org to see what tickets are available on the day the attendees want to go!

Job Board

A job board and recruitment table will be located near the registration area. Bring copies of any job announcements from your college or personal resumé if you are seeking a job.

Internet Connections

Faculty who need to monitor web-based classes should bring their own computer and complete this work in the comfort of their guest room. *High Speed Internet Service is available in the guest rooms for a charge of \$12.95 per twenty-four hour period.* Guests

who wish to utilize this service must purchase the service from their guest room by charging their major credit card the \$12.95 fee. This charge cannot be billed to any guest folio, including comp folios and master accounts. Look for instructions in your guest room! In the Professional Networking/Hospitality Room, the local committee will have a list of free wi-fi hotspots in the area.

Email/Communications

The Yarmouth Room on the fourth floor will be equipped with computers with Internet access so you can check your e-mail. The room is adjacent to the Professional Networking/Hospitality Room.

Internet Café Hours

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

Professional Networking/ Hospitality Room

Meet new friends or visit with colleagues in the Professional Networking/Hospitality Room located in Vineyard, right next door to the Internet Café. Enjoy a snack or beverage, relax, and just listen to some music. Members of the Boston Local Events Committee, offering a warm welcome, will be there to orient you to the city with information and maps to local attractions. You can also sign up to join others for dinner or to spend the evening at one of the city's many attractions.

Professional Networking/ Hospitality Room Hours

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

Coming Soon!

The 2010-2011 AMATYC Foundation Campaign

The AMATYC Foundation - working hard to support the mission and goals of AMATYC.



Supporting the Present → Securing the Future

Information about the new activities of the Foundation and new ways in which you can support it will be posted on the AMATYC website (www.amatyc.org) August 1, 2010.

Be a part of the action!

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.

CASIO America, Inc.

C4 **Activate Student Interest–Explore**
Thursday **Mathematics with the ClassPad**
12:30–2:00 **Diane Whitfield, Nathan Austin**

If you are wondering what the ClassPad is or if it is easy to use, please attend this workshop. The audience will participate in hands-on activities that can be used in Algebra, Geometry, and beyond as you learn the ClassPad basics. One ClassPad will be given away during the workshop.

College Board

C3 **ACCUPLACER Math Diagnostics**
Thursday **Chantel Reynolds, Suzanne Murphy**
12:30–2:00

In January 2010, the College Board released the new ACCUPLACER Diagnostic Assessment in Arithmetic and Elementary Algebra. Each assessment is computer-adaptive, covering five distinct domains in 40 items. Learn how these diagnostics were developed and how various institutions are using Diagnostics to identify specific developmental needs and offer targeted intervention.

Hawkes Learning Systems

C10 and C13 **All Math Software Is Not Created Equal:**
Friday **What's the Difference?**
12:30–2:00 **Brittany Walker**
2:30–4:00

The use of technology has become increasingly implemented in mathematics courses, but what makes one software system different from another? Hawkes Learning Systems (HLS) is a unique program proven to be more effective in improving student performance. Discover how HLS's differences make it the perfect solution for student success!

Interactive Mathematics eTextbooks, LLC

C7 **Using IM eTextbooks to Implement the**
Friday **Assessment Cycle Effectively**
10:30–12:00 **Wayne Mackey, James Brunner**

How can we implement the Assessment Cycle while placing greater emphasis on Quantitative Literacy and less on algorithmic rote learning? What about problem solving? What does group mastery learning have to do with it all? An attempt will be made to answer all these burning questions.

McGraw-Hill Higher Education is conducting two commercial presentations (C5 and C8). Titles and descriptions will be included in the conference program.

Pearson

C6 **Beyond the Basics**
Friday **Irene Doo**
10:30–12:00

Designed for instructors who understand the basics of MyMathLab, MathXL, MyStatLab and are ready to learn more. Topics will include customization of homework/quizzes/tests, gradebook customization, managing student results, and managing multiple sections of the same course.

C9 **Personalized Homework–Changing the**
Friday **Way You Teach**
12:30–2:00 **Irene Doo**

Learn how to use personalized homework in MyMathLab, MathXL, and MyStatLab to create a customized learning plan for each student. Manage the assessments and content to ensure that your student learning outcomes are met. Also learn how to use the Study Plan to fine tune student remediation.

C12 **Strategies for Instructional Design**
Friday **Diane Gray**
2:30–4:00

Learn and see how experienced educators have designed and administered their hybrid, lab-based, online, and modular courses. Discussions will focus on best practices and sharing instruction strategies.

C14 **Creating Custom Exercises in the XL Player**
Saturday **Irene Doo**
10:45–12:15

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, and MathXL, and for assessments in MyMathTest.

C16 **MyMathTest Strategies for Placement and**
Saturday **Remediation**
1:00–2:30 **Diane Gray**

Learn how to use MyMathTest to create placement programs to assess students' mathematical skills and accurately place them in the appropriate math course; or to create short refresher programs to help students quickly learn prerequisite mathematical skills prior to course enrollment or while enrolled in a math or science course.

SAS Institute Inc., JMP Division

C2 **Technology in the Classroom: Teaching**
Thursday **Stats Using JMP®**
10:00–11:30 **Mia Stephens**

Teaching statistical concepts can be challenging, even for the most experienced and creative instructor. Simulation, animation and visualization help ideas come alive. Investigating concepts through hands-on exercises makes ideas stick. In this session we discuss the use of JMP in the classroom and demonstrate the JMP Statistical Concept Discovery Modules.

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

Wednesday, November 10 4:00 pm - 8:00 pm
Thursday, November 11 7:00 am - 6:30 pm

Friday, November 12 7:00 am - 5:00 pm
Saturday, November 13 7:00 am - 8:00 am
Saturday, November 13 10:00 am - Noon