

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.◆◆