

# The American Mathematical Association of Two-Year Colleges 33<sup>rd</sup> Annual Conference

Minneapolis, Minnesota ❖ November 1 – 4, 2007  
Hosted by MinnMATYC, LaMsMATYC, and the Central Region



**Hyatt Regency Minneapolis**  
1300 Nicollet Mall  
Minneapolis, MN 55403  
Reservations: 800.233.1234

**Millennium Hotel Minneapolis**  
1313 Nicollet Mall  
Minneapolis, MN 55403  
Reservations: 800.522.8856

Register online at [www.amatyc.org](http://www.amatyc.org)



# American Mathematical Association of Two-Year Colleges

## 33<sup>rd</sup> Annual Conference \* Minneapolis, Minnesota

### KEYNOTE SPEAKERS



#### Thursday Opening Session

**Pat McKeague**  
*What a Difference Five Minutes Makes*

Thursday, November 1, 3:00 pm

Pat McKeague will officially open the 33<sup>rd</sup> Annual AMATYC Conference by challenging us to share with our students the things we find interesting in, and around, mathematics, and to invite them to consider careers as community college mathematics instructors. Even with too many topics to cover, and too little time to cover them, he will ask us to reserve five minutes of class time to accomplish these goals. When we share what we like about mathematics, and invite students to join our profession, we elevate our relationship with students and generate positive attitudes toward mathematics. And it can all happen just five minutes at a time.

Pat earned his B.A. in Mathematics from California State University, Northridge and his M.S. in Mathematics from Brigham Young University. He started his teaching career in 1970 at Lompoc High School in Lompoc, California. In 1973 he became a full-time instructor at Cuesta College in San Luis Obispo, California. During his 37-year career he has taught elementary school and high school, at the community college and at the California state university. He is sold on the community college system of education and is at his best when he is teaching there. An accomplished and successful author, Pat is very active in the mathematics community and is a popular speaker at national and regional conferences across the country. He has been a member of AMATYC for over 30 years and was on the writing team for the AMATYC *Beyond Crossroads* project.



#### Saturday Awards Breakfast Session

**Dan Kennedy**  
*My Year with NUMB3RS: Mathematics Goes to Hollywood*

Saturday, November 3

Breakfast Served: 7:45 am (**Ticket Required**)

Program: 8:30-10:00 am

Dan Kennedy will delight you with the description of his inroads into popular culture. He will share what he has made of the teachable moments resulting from his work. Dan will delight you with this light and digestible talk, blending information and a little mathematics for an entertaining morning.

Dan received his undergraduate degree at the College of the Holy Cross, earned Master's and Doctoral degrees in Mathematics from the University of North Carolina at Chapel Hill. Since 1973, he has taught mathematics at the Baylor School in Chattanooga, Tennessee, where he holds the Cartter Lupton Distinguished Professorship. His involvement with Advanced Placement Calculus as a workshop consultant, table leader, and an exam leader led to the AP Calculus Test Development Committee in 1986. In 1990 he became the first high school teacher in 35 years to chair that committee. He is a co-author or series author of textbooks in precalculus, calculus, algebra and geometry.

A Presidential Award for Excellence in Science and Mathematics Teaching winner in 1995, Dan has served on the executive committee of the Mathematical Sciences Education Board and on the Board of Governors of the Mathematical Association of America. His articles on mathematics and education reform have appeared in the *Mathematics Teacher*, the *American Mathematical Monthly*, and the *College Mathematics Journal*.

### On-site Conference Registration

#### Hyatt Regency Minneapolis \* Nicollet Promenade

Wednesday, October 31 .....	4:00 pm - 8:00 pm
Thursday, November 1 .....	7:00 am - 5:00 pm
Friday, November 2 .....	7:00 am - 4:00 pm
Saturday, November 3.....	7:00 am - 8:00 am
Saturday, November 3.....	10:00 am - Noon

# FEATURED SPEAKERS



## Lew Lefton

*Infinity Bottles of Beer on the Wall or What's So Funny About Mathematics?*

Friday, November 2  
2:15 pm

Lew Lefton warns us right up front that portions of his presentation are suitable only for mathematically mature audiences! According to Lew, "Everyone needs a laugh!" Amidst the entertainment, you will likely find jokes that you will steal for use in your own classroom! Lew uses his experiences as a graduate student, professional mathematician, and a college professor to pack hours of entertainment into 50 minutes.

Lew received his Ph.D. in Mathematics from the University of Illinois in 1987. After visiting and entertaining for two years at the University of California at Riverside, he taught at the University of New Orleans. In 1999, Lew moved to Georgia Tech where he is currently the Information Technology Director for the School of Mathematics and the College of Sciences. Lefton's research interests are in scientific computing and applied mathematics. He is the author of many articles and the textbook *Introduction to Parallel and Vector Scientific Computing*. Lew has performed at dozens of clubs around the country including the Improv, the Laugh Factory, Comedy Gumbo, and Zanies in addition to gigs at the University of Illinois, University of California at Riverside, Georgia Tech, Loyola University, and Harvey Mudd College. Don't miss the chance to see Lew "prove" that he is funny.



## Wayne Roberts

*The Derivative as a Linear Transformation*

Saturday, November 3  
10:45 am

Wayne Roberts will delight you with topics from linear algebra to show the derivative as a linear transformation, rather than having the theorem drop from heaven as it usually wants to do. Compare this with the presentation in most multivariate calculus books that uses second partial derivatives to classify the critical points of a function in two variables.

Wayne attended Morton Junior College (as it was called in those days) before attending Illinois Institute of Technology. After earning his M.S. at the University of Wisconsin at Madison, he returned to teach at Morton Junior College for four years. After earning his doctoral degree at Wisconsin, he arrived at Macalester College where he taught mathematics, chaired the department, and ultimately served as Provost during his 40 years on the faculty. He was a leader in the national effort to improve the teaching of calculus in the U.S., and is best known in Minnesota as the founder and Director of the Minnesota State High School Mathematics League. Don't miss this presentation by one of our two-year college graduates!

## Symposium

### Bernie Madison

*MAC & QL: Many Interpretations and Multiple Collegiate Strategies*

Friday, November 2, 10:30 am



This symposium consists of three separate events, all scheduled in the Center Forum in the Millennium Hotel in Minneapolis. Begin the day with Bernie Madison giving a featured 50-minute presentation on Mathematics Across the Curriculum (MAC) and Quantitative Literacy (QL). Bernie will share his extensive experience implementing MAC/QL projects.

Bernie has been involved in national efforts to reform undergraduate mathematics curricula for the past 20 years. His efforts include directing Mathematical Sciences in the Year 2000, participating in the reform of AP Calculus as a Chief Reader, promoting assessment of student learning, and reforming the mathematical preparation of teachers. He is the president of the National Numeracy Network. Bernie holds a bachelors degree in mathematics and physics from Western Kentucky University and master's and doctoral degrees in mathematics from the University of Kentucky.

Following the 50-minute session Rebecca Hartzler, Deann Leoni, Caren Diefenderfer, Frederick Reese, and Klement Teixeira will conduct an interactive workshop (Y1) that will provide activities and strategies to implement MAC/QL at the course, departmental, and institutional levels based on your specific interests and program needs.

Don't miss the all new component of this symposium, the poster session (Y2) that will include display and discussion of posters created by participants at recent MAC/QL institutes. These posters provide creative visual images of mathematics across the curriculum. An informal setting will allow you to browse through the posters, visiting with each poster presenter. Titles, descriptions, and presenters' names will be included in the conference program for your reference.

# CONFERENCE PROGRAM

Following the title of each regular session and workshop you will find a letter code identifying the general category or categories featured in this year's conference that best describe the focus of the presentation. 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 8:15 am - 9:05 am

- S1**    **A Fresh Look at Teaching Trigonometry (IS, MI, TT)**  
Katherine A. Yoshiwara, Bruce W. Yoshiwara
- S2**    **Unraveling the Mysteries of the Emerging Adult Brain [Ages 18-25] (IS, RB, TP)**  
Diana L. Hestwood
- S3**    **AMATYC 101-Enhancing Your First Conference Experience (G)**  
Jim A. Roznowski, Ruth Collins
- S4**    **Supplementing Mathematics Instruction with Technology (IS, MI, ST, TT)**  
Claude S. Moore, Valerie J. Melvin
- S5**    **Civic Engagement: What's Math Got to Do with It? (C, IS)**  
Beth Fraser, Theodora M. Ottariano
- S6**    **Timely Reflection <-> Fast-Serve Feedback (TP, TT)**  
Adele M. Miller, S. Louise Gould
- S7**    **Reviewing the Basics While Teaching Beginning and Intermediate Algebra (D, IS)**  
Sherri Messersmith
- S8**    **The World Is My Whiteboard: Teaching Mathematics in a Real-World Context (IS, MI, TT)**  
Frank C. Wilson
- S9**    **Fighting Algebra Fatigue with Excel in Precalculus and College Algebra (IS, MI, TT)**  
Revathi Narasimhan

## Thursday 9:30 am - 10:20 am

- S12**    **Mining the Cubic Equation for Mathematical Gems (H, MI)**  
John W. Coburn
- S13**    **How Much We Know (IS, RB, SS)**  
Gloria E. Liu, Joe Kotowski
- S14**    **Reality TV Math-Teaching Rigorous Math to a Reality TV Society (G, IS)**  
Michael Sakowski
- S15**    **CONNECT Math-Facilitating Transfer in Mathematics (C)**  
Elaine A. Previte, Lois A. Martin, Mary K. Moynihan
- S17**    **Intelligent Help? Really? At Every Step? (D, IS, TT)**  
John C. Miller

## Thursday 9:30 am - 11:25 am

### Themed Session

- T1**    **Math on the Web**
- T1A**    **Discussion Topics to Include Everyone (IS, TT)**  
Jamie A. Thomas
- T1B**    **Connecting with Your Online Students (IS, TT)**  
Mary Beth Orrange
- T1C**    **Student Blogging in an Online Math Course (IS, TT)**  
Jodi Cotten
- T1D**    **Implementing Projects in an Online Environment (IS, TT)**  
Mark R. Marino
- T1E**    **Departmental Support for Distance Education (DI, TT)**  
Nancy J. Rivers
- T1F**    **Basic Algebra: A Comparison of Results-Hybrid vs. Online (D, RB, TT)**  
Louise Olshan

### Minneapolis 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    Math for General Education (Finite Math, Liberal Arts, Quantitative Literacy)
- H    History of Mathematics
- IS    Instructional Strategies (Learning Styles, Teaching Methodologies, including Modeling)
- MI    Math 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 9:30 am - 11:30 am

- Q1 Division/Department Chair Colloquium (DI)  
Peter Collinge
- W1 Mathematical Ideas that Emerge from Data Collected in the Classroom (IS, MI, RB)  
Scott L. Adamson
- W2 Helping Students “See” the Mathematics (IS, MI)  
Dennis C. Ebersole, Deborah A. Moore-Russo
- W3 Pre-Service K-6 Mathematics Content Courses: An Activity Approach (TP)  
Tracy A. Bibelnieks, Matthew J. Haines, Linda Stevens
- W4 The Language of Math: Why Don't They Get It and What Are We Missing? (IS, TP)  
Robert D. Brown, Sherri L. Wilson
- W5 An Introduction to Graphing Equations and User Controls in Excel (TT)  
Paul E. Seeburger

Thursday 9:30 am - 12:25 pm

Themed Session

- T2 Placement and Assessment—Using Ideas from *Beyond Crossroads*
  - T2A Assessment of Intermediate Algebra with a Study Skills Component (A, D, SS)  
Ed Gallo
  - T2B Happy Quiz—A Student Self-Assessment (A)  
Connie Buller
  - T2C Mathematics Placement Update at the University of Cincinnati-Clermont (A, RB)  
Margaret (Peggy) Hager
  - T2D Informed Self-Placement—Are You Kidding? (A, RB)  
Bill Worpenberg
  - T2E Assessing a Developmental Math Program (A, D)  
Shelli Spanning
  - T2F Assessing Mathematics Courses for Pre-Service Teachers (A, TP)  
*2005 Project ACCESS Fellow:* Wendy O'Hanlon
  - T2G We Have our College Placement Team, Now What? (A, DI)  
Beverly Parnell
  - T2H Calculators and Placement Tests: A New Proposal (A, TT)  
Ralph J. Kempheus
  - T2I Why Aren't Grades Adequate for Assessment of Student Learning? (A)  
Wayne Mackey

Thursday 10:45 am - 11:35 am

- S18 Why the Elevator Goes the Wrong Way (G, GE)  
Joseph Browne
- S19 Western Washington Community College Student Mathematics Conference (G, SS)  
Michael P. Kenyon
- S20 Revitalizing the General Education Mathematics Logic Course (GE, IS, TT)  
Richard Glass, Marsha Spiegelman
- S21 Reflective Abstraction and the Concept of Limit (IS, MI, RB)  
Robert Cappetta
- S22 An Infusion of the Fine Arts (C, IS)  
*2005 Project ACCESS Fellow:* Barbra Gregory

**Committee Meeting**  
10:45 am - 11:35 am  
Developmental Mathematics

Thursday 12:30 pm - 1:20 pm

- S23 Electronic Quizzing and Its Effect on Calculus II Grades (A, IS, MI, RB)  
Philip Cheifetz
- S24 Reducing Math Anxiety—A Practical Solution for the Classroom (IS, SS, TP)  
Mike Bankhead
- S25 Teaching Developmental Algebra Isn't Brain Science. Wait ... Yes, It Is. (D, IS, RB, TT)  
Edward D. Laughbaum
- S26 Tools to Teach Math in the Digital Age (IS, TT)  
Dan G. Petrak
- S27 Teaching Discrete Mathematics for Information Technology Students (GE, MI)  
Denise R. Johansen
- S28 The TIME Is Now! Timely Discussions for Successful K-16 Transitions (A, C, D)  
Laura Moore-Mueller, Robin Washam, Joyce D. Hammer
- S29 Using Semester-Long Projects in Statistics (IS, ST)  
Johnny Duke

**Committee Meeting**  
12:30 pm - 1:20 pm  
Technical Mathematics/AAS Programs



Thursday 12:30 pm - 2:30 pm

- W6 **Creating Interactive Mathematics Web Pages (TT)**  
Peter Turbek
- W7 **Jane's Greatest Hits (D, G, GE)**  
Jane D. Tanner
- W8 **Learning with Chalk (D, IS, TP)**  
Helen (Honey) Kirk, Paula L. McKenna,  
Vicki L. Gearhart
- W9 **Taking the Leap: Implementing Brain-Based Teaching in Your Classroom (D, IS, RB, TP)**  
Diana L. Hestwood
- W10 **A Biocalculus Course Collaboration Across Disciplines and Institutions (C, MI, TT)**  
Timothy D. Comar, Brenda H. Alberico

Thursday 1:30 pm - 4:45 pm

**NSF Poster Session**

(Closed from 3:00 pm to 4:15 pm for the Opening Session.)

- **The Right Stuff: Appropriate Mathematics For All Students**  
Principal Investigators: Rob Kimball, Kathy Mowers
- **Mathematics Across the Community College Curriculum**  
Principal Investigator: Christie Gilliland  
Co-Principal Investigators: Deann Leoni, Rebecca Hartzler,  
Patrick Bibby, Jim Roznowski
- **Kirkwood Community College STEM Scholars Program**  
Principal Investigator: David Keller  
Co-Principal Investigator: Bob Driggs
- **EdTrAc: Math-Science Education Training Academy**  
Principal Investigator: Julie Guelich  
Co-Principal Investigators: Julie Johnson, Peggy Rejto
- **The National Curve Bank: A MATH Archive**  
Principal Investigator: Shirley Gray
- **Partnership to Increase STEM Enrollment and Student Success**  
Principal Investigator: Gloria Liu  
Co-Principal Investigator: Joe Kotowski, Tingxiu Wang
- **REU Site: Mathematics Research Experience for Pre-Service and for In-Service Teachers**  
Principal Investigator: Saad El-Zanati  
Co-Principal Investigator: Sharon Soucy McCrone,  
David Barker

Thursday 1:45 pm - 2:35 pm

- S30 **"Just in Time" Teaching and Learning (A, ST, TT)**  
Patricia Kuby

- S31 **Is It Reasonable? Helping Developmental Students Assess Their Work (A, D, IS)**  
Laura Bracken
- S32 **Mathematical Investigations of Current Health Issues (C, IS, MI)**  
Theresa A. Laurent
- S33 **Brief Calculus: Implementing *Beyond Crossroads* with Excel (A, IS, MI, TT)**  
Sharon F. Welker, Mary D. Pearce
- S34 **Effective Online Math Lectures Using Tablet PC Technology (IS, TT)**  
Tim Gail
- S35 **Ten Exciting Assignments Designed to Improve Student Success (D, IS, SS)**  
George Woodbury, Stephanie Logan
- S36 **Calculus Students Write--All Benefit (IS, MI, TT)**  
Mary Kay Abbey
- S37 **Factors that Shape Faculty Reasoning About College Algebra Reform (DI, GE, RB)**  
Helen E. Bum

**Committee Meeting**  
1:45 pm - 2:35 pm  
Technology in Mathematics Education

**Thursday 3:00 pm - 4:15 pm**

**Opening General Session**  
Hyatt Regency Minneapolis  
Nicollet Grand Ballroom

Awards and Remarks  
Kathy Mowers, AMATYC President

Speaker: Pat McKeague  
*What a Difference Five Minutes Makes*

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**Thursday 4:30 pm - 7:30 pm**

**Grand Opening of the AMATYC Exhibits**  
Hyatt Regency Minneapolis  
Exhibit Hall

**Thursday 7:00 pm - 8:00 pm**

**AMATYC Forums**

Hyatt Regency Minneapolis  
Greenway G

(see page 21 for complete description)

**The Use of Technology in Mathematics  
Education—Proposed Position Statement  
♦Final Hearing♦**

Moderator: Frank Wilson, TIME Committee Chair  
7:00 pm - 7:30 pm

**Delegate Assembly: Structure and Effectiveness**

Moderator: Jim Trefzger,  
Delegate Assembly Task Force Chair  
7:30 pm - 8:00 pm

**Thursday 8:30 pm - 10:00 pm**

**AMATYC Foundation Presents  
“Magic in Minneapolis”**

\$35/person (Ticket Required)  
Hyatt Regency Minneapolis  
Regency Room

While most magicians’ shows leave audiences thoughtful as they attempt to figure out the tricks, audiences at the AMATYC Foundation-sponsored Magic Show aren’t compelled to figure out the show’s secrets. Master magician and mathematician, AMATYC’s past president Phil Cheifetz, performs his routine so eloquently and with a touch of his New York charm that the audience isn’t concerned with the mechanics of the effect. Instead they are held spellbound by his showmanship. Phil and the audience embark on a unique magical journey through the impossible, taking a flight that is as smooth as he is.

The pace of the show never dawdles, as our very own Dr. Phil’s years of experience shine through with his slight of hand and marvelous coin and card tricks, leaving the audience no time to catch him in the act.

Phil knows what it takes to captivate an audience. His magical journey is a recipe of fun, packed with numerous fresh tricks and sprinkled with a sense of humor, appealing to everyone.

**Friday 7:45 am - 9:45 am**

**Regional Meetings\* &  
Continental Breakfast**

Northeast - Maryann Justinger  
Mid-Atlantic - Ruth Collins  
Southeast - Rob Kimball  
Midwest - Jim Roznowski  
Central - Peter R. Wildman  
Southwest - Mary Robinson  
Northwest - Christie Gilliland  
West - Jan Ford

**\* Ticket Required for Breakfast Portion \***

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

For a description see page 21.

**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**

- S38 **The Great Math Wars Debate: Finding Some Common Ground (G, H, IS)**  
Ralph J. Kempfhaus, Paul W. Jones II, Charles Warburton
- \*\* Symposium Session \*\***  
**[followed by Symposium Workshop (Y1) and Symposium Poster Session (Y2)]**
- S39 **MAC & QL: Many Interpretations and Multiple Collegiate Strategies (C, GE)**  
**Featured Speaker: Bernie Madison**
- S40 **Something Old, Something New, Some Excel and Java, Too! (MI, TT)**  
Paul E. Seeburger
- S41 **Teaching Math Online: Sharing Panel (IS, TT)**  
Mary Beth Orrange, Sinforosa (Rose) Tan, Pat Rhodes
- S42 **Revisiting Socratic College Algebra: Comfortable Multimedia Aids (G, MI)**  
George Mathew
- S43 **ICME-11 Hosts Two-Year Colleges in Monterrey, Mexico, July 2008 (DI, G)**  
Sadie Bragg, Marilyn Mays



Friday 10:30 am - Noon

- C5 McGraw-Hill Higher Education: ALEKS  
Ken Lee
- C6 Pearson Education: MyMathLab Training for Novice Users  
Diane Gray
- C7 Hawkes Learning Systems.: How to Motivate Students by Using Software  
Emily Cook

Friday 10:30 am - 12:30 pm

- W11 Activities that Foster Statistical Thinking (ST)  
Roxy Peck
- W12 Discovering Functions in the Classroom (IS, MI, TT)  
Barry F. Bergman
- W13 Explore Machine Gaming and Random Variables with Poker and Technology (GE, ST, TT)  
Robert N. Baker
- W14 Motivational Minutes (G, IS, SS, TP)  
Leslie A. Smith
- W15 Visualization of Mathematical Objects Through Animations (IS, TT)  
Cary Lee, Nemie I. Capacia

Friday 10:30 am - 12:45 pm

Themed Sessions

- T3 Implementing *Beyond Crossroads*
  - T3A Developing and Implementing a Quantitative Reasoning Program (GE)  
Klement Teixeira
  - T3B Using Technology to Enhance Student Learning (TT)  
Frank Wilson
  - T3C ER to a Healthy Online Learning Environment! (TT)  
Luc Desir
  - T3D Can You Handle the Truth?! Beyond Success and Retention Statistics (DI, G)  
Bob Martinez
  - T3E Four Steps to a Standards-Embracing Department (DI)  
Connie Carruthers, Edward (Ted) Coe
  - T3F A Step Towards the Crossroads: Open-Ended Problems (A, D)  
Jonathan Kalk
  - T3G Student Learning Outcomes and How to Assess Them (A, DI)  
Wayne Mackey

Friday 10:30 am - 1:25 pm

- T4 Successful Activities/Projects in Teacher Preparation
  - T4A Discovering the Mayan Number System (H, IS, TP)  
Jo-Ann G. Williams
  - T4B Teaching Math to Children (TP)  
Debbie Justeson
  - T4C Favorite Mathematical Explorations (IS, TP)  
Kendall Jacobs
  - T4D Venn Diagrams in the Teacher Prep Classroom (IS, TP)  
Helen (Honey) Kirk
  - T4E Cubits Are Coming! A Fun Hands-on Activity to Explore Probability (ST, TP)  
Steve Kinholt
  - T4F Paper Folding Geometry (GE, TP)  
Jane Hammontree
  - T4G Beyond the Textbook (IS, TP)  
Janet Teeguarden
  - T4H Geostrips and Geometry (GE, TP)  
Judith Sallee
  - T4I The Pythagorean Theorem on Geoboards and Using Technology (D, IS, TP)  
Darlene Whitkanack

Friday 11:45 am - 12:35 pm

- S44 Intermediate Algebra: A Blended Approach (D, GE, IS, RB, TT)  
Daniel J. Rose, Yvonne A. Greenbaun
- S45 Online or Hybrid? Designs, Advantages, Successes (A, IS, TT)  
Louise Olshan, Jeffrey C. Jones
- S46 Faculty Math League Contest (G)  
Steven Blasberg
- S47 Selections from Jane's Greatest Hits (D, G, GE)  
Jane D. Tanner

**SYMPOSIUM AND WORKSHOPS**

A workshop or symposium includes active attendee participation, an in-depth treatment of a topic, and significant hand-outs. Workshop and symposium participants must be present at the beginning of the workshop/symposium to secure a seat. Entrance to a workshop or the symposium 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/symposium will be considered closed and no one else may enter. AMATYC makes no guarantee that any conference registrant will be admitted into a workshop or symposium.

## Friday, November 2

- S48 **Understanding Functional Concepts by Simulating Barcode Scanners (IS, TT)**  
James L. Lapp
- S49 **Applet Learning for the 21<sup>st</sup> Century Student (TT)**  
Daniel R. Willoughby
- S50 **Establishing Consistent Standards Across Campuses and Modalities (DI, G, TT)**  
Clark D. Brown, Mark R. Marino
- S51 **Engaging Algebra: Activities that Create Connections (D, IS, TP, TT)**  
Susan R. Fife
- S52 **Two Levels of Course Assessment to Identify Student Learning (A, RB)**  
Carol Lerch
- S59 **The MAA College Algebra Guidelines Meet *Beyond Crossroads* (C, G)**  
Wade Ellis, Jr., Norma M. Agras
- S60 **Projects for Student Assessment in Statistics [Classroom and Online] (A, ST, TT)**  
Joseph Sukta
- S61 **You Think You Have a Problem? Elementary Education Teachers Meet Polya (GE, IS, TP)**  
Douglas J. Richards, Suzanne M. Topp
- S62 **Concept Videos for Mathematics: A Context that Encapsulates a Lesson (G, IS, TT)**  
Mike E. Martin
- S63 **Graphing on an Electronic Organizer (ST, TP, TT)**  
Brian E. Smith
- S64 **Recreational Mathematics (C, G, TP)**  
Jeganathan Sriskandarajah

### Friday 11:45 am - 1:45 pm

**\*\* Symposium Workshop \*\***  
[preceded by Symposium Session (S39) and followed by Symposium Poster Session (Y2)]

- Y1 **MAC & QL: Many Strategies for Your Consideration (C, GE)**  
Rebecca T. Hartzler, Deann Leoni, Caren Diefenderfer, Frederick Reese, Klement Teixeira

### Friday 12:30 pm - 2:00 pm

- C10 **Casio, Inc.: Using the CASIO ClassPad to Enable Students to Achieve in Algebra**  
Larry Osthus

### Friday 1:00 pm - 1:50 pm

- S53 **Don't Believe Everything You Hear (D, IS, TT)**  
Jay Lehmann
- S54 **Some Creative Graphing Calculator Ideas for Algebra and Trig (MI, TT)**  
Jim Trefzger
- S55 **AMATYC 201-Professional Opportunities Through AMATYC (G)**  
Mary R. Robinson, Peter R. Wildman
- S56 **Using Personal Response Units to Promote Student Understanding (GE, IS, TT)**  
Jack L. Haughn
- S57 **The Amazing Impact of Mathematics on Society (C, G, H)**  
Gary K. Rockswold
- S58 **Mathematics with Technology for K-8 Teachers (IS, TP, TT)**  
Kevin Lee

## Committee Meeting

1:00 pm - 1:50 pm  
Developmental Mathematics

### Friday 2:15 pm - 3:05 pm

- S65 **Infinity Bottles of Beer on the Wall-What's So Funny About Mathematics? (G)**  
*Featured Speaker: Lew Lefton*
- S66 **Building a Better Understanding of Applied Calculus (IS, MI, TT)**  
Martha T. Goshaw
- S67 **Host a Regional Conference Featuring an AMATYC Traveling Workshop (DI, G)**  
Patrick J. DeFazio, Jo-Ann G. Williams,  
*2004 Project ACCESS Fellow:* Karen S. Hale, Michael Oppedisano
- S68 ***Beyond Crossroads*-Small Steps for You, Giant Leaps for Students (IS, TT)**  
Mary Ellen Davis
- S69 **Something for Everyone: Creating Multimedia CDs for Student Use (D, SS, TT)**  
John Squires, Helen Darcey, Dave Guardiani, Karen Wyrick
- S70 **My Secret Function: An Activity for Teaching Operations on Functions (IS, MI, TP)**  
Kathleen Lopez
- S71 **True Stories! My Experiences in a Phase 2 Drug Study (G, GE, ST)**  
Susan S. Wood
- S72 **The Evolution of the Chalkboard: The Tablet PC (IS, TT)**  
Kristina K. Schmid

## Friday, November 2

- S73 **4 States + 4 Initiatives = Student Success (C, G)**  
William G. Steenken, Mel Griffin, Bill Moore,  
Darrell H. Abney
- S74 **Technology in Precalculus: The Ambiguous Case of  
the Law of Sin/Cos (IS, MI, TT)**  
Lalu Simcik
- S75 **A Gentle Introduction to Dynamical Systems  
(GE, TT)**  
Thomas L. Pirnot
- S78 **What Do We Assess and What Do We Do Once We  
Have the Data (A, IS, RB)**  
Mercedes McGowen, Lisa Bieneman
- S79 **Inverse Functions, Intersections, and the Ubiquity  
of  $e$  (MI)**  
Terry A. Krieger
- S80 **Improving Student Success Using a Software-Based  
Learning Environment (IS, RB, TT)**  
DeeAnn VanLuyck

### Friday 2:15 pm - 4:15 pm

#### **\*\* Symposium Poster Session \*\***

[preceded by Symposium Session (S39) and  
Symposium Workshop (Y1)]

- Y2 **MAC<sup>3</sup> Poster Session (C, GE, IS, TP)**  
Deann Leoni, Rebecca T. Hartzler
- W16 **Active Algebra (A, D, IS)**  
Steve G. Grosteffon
- W17 **Exciting Activities and Games for Elementary  
Algebra (D, IS, TP)**  
Sally D. Sestini, Mary E. Clarke
- W18 **Calculators Aren't Just Calculators Anymore: A  
Look at New Handhelds (TP, TT)**  
Stuart Moskowitz
- W19 **The Power of Excel (ST, TT)**  
Elisabeth H. Knowlton
- W20 **Great Instructional Strategies--A Sharing Session  
(G, IS, TT)**  
David J. Graser

### Friday 2:30 pm - 4:00 pm

- C11 **McGraw-Hill Higher Education: MathZone**  
Alina Coronel
- C12 **Pearson Education: MyMathLab Training for  
Experienced Users**  
Diane Gray
- C13 **Texas Instruments: Multiple Representations in  
Algebra: TI-Nspire = Better Understanding**  
Wade Ellis

### Friday 3:30 pm - 4:20 pm

- S76 **What Algebra Do Students Need to Know and How  
Can We Make it Relevant? (C, D, IS)**  
Suzanne I. Doree
- S77 **Affiliate Sharing Session (G)**  
Ronda J. Kingstad, Abraham S. Mantell

- S81 **Building a Better Linear Algebra Experience  
(IS, MI)**  
*2004 Project ACCESS Fellow:* Laura Watkins,  
Anne Dudley
- S82 **Math to Go: Podcasting Math Lessons (TT)**  
Bob Prior
- S83 **Willing and Wary: Transforming the Tech Skills of a  
Math Department (DI, IS, TT)**  
Maria Andersen, Diane Krasnewich
- S84 **Publishing Your Textbook (G)**  
Richard N. Aufmann, Joanne S. Lockwood

### Committee Meeting

3:30 pm - 4:20 pm

Statistics Subcommittee of Program/Curriculum Issues

### Friday 4:30 pm - 5:30 pm

### Committee Meetings

4:30 pm - 5:30 pm

- ◆ Distance Learning & Technology in  
Mathematics Education Joint Meeting
  - ◆ Faculty Development
  - ◆ Placement and Assessment
  - ◆ Program/Curriculum Issues

### Friday 8:00 pm - 10:00 pm

#### ***Calculus: The Musical!***

Hyatt Regency Minneapolis

\$25/person (**Ticket Required**)

Nicollet Ballroom B & C

Hosted by the AMATYC Foundation and MinnMATYC, *Calculus: The Musical!* is a comic "review" of the concepts and history of calculus offering a blend of sketch comedy, musical theatre, and classroom lecture featuring performers Marc Gutman and Sadie Bowman. *Calculus: The Musical!* promises to be entertaining for the arithmophobe and the rocket scientist alike.

See page 22 for more information.

Saturday 7:45 am - 10:00 am

**Saturday Awards Breakfast Session**

Breakfast Served: 7:45 am (Ticket Required)

Program: 8:30 am - 10:00 am

Presentation of Awards

Kathy Mowers, AMATYC President

Speaker: Dan Kennedy

*My Year with NUMB3RS: Mathematics Goes to Hollywood*

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

- S85 **The Derivative as a Linear Transformation (MI)**  
*Featured Speaker: Wayne Roberts*
- S86 **Math Study Skills: We've Tried Everything so You Don't Have to (D, IS, SS)**  
Alan Bass
- S87 **Moving from Individualized to Collaborative Problem-Based Learning (IS, RB, ST)**  
Carol C. Hannahs
- S88 **Website Sharing Session (G, TT)**  
Shay L. Cardell, George M. Alexander
- S89 **Become an AMATYC Traveling Workshop Facilitator! (G)**  
Peter R. Wildman, Cheryl Cleaves
- S90 **Assessment Instruments at Class, Course, and Program Levels (A)**  
Wayne Mackey
- S91 **Active Learners in a Mathematics Classroom (IS)**  
Arnavaz Taraporevala, Janet Liou-Mark, Nadia Benakli
- S92 **Discovering Old Topics in New Ways: Polynomials and Rational Functions (IS, MI)**  
Nancy G. Hyde, Julie M. Miller, Molly O'Neill

Saturday 10:45 am - 12:15 pm

- C14 **Pearson Education: MyMathLab Strategies for Teaching**  
Diane Gray

- C15 **Hawkes Learning Systems: How to Motivate Students by Using Software**  
Emily Cook

Saturday 10:45 am - 12:45 pm

- W21 **(Passion)<sup>n</sup> + (Fermat's Last Theorem)<sup>n</sup> = (Success)<sup>n</sup> (GE, H)**  
Jodi Cotten
- W22 **Energizing Your Introductory Algebra Classroom (D, IS)**  
Susan W. Santolucito
- W23 **Hiking Math Trails to the "K-8 Assessment" Pass (GE, RB, TP)**  
Ken Hurley
- W24 **Using Games, Computer Tutorials, and Beauty of Math Moments (D, IS, TP)**  
Amy Young, Nan Strebeck
- W25 **Matrices and Linear Programming with Excel (IS, MI, TT)**  
Florence Chambers, Louise (Toni) A. Parise
- W26 **Predicting the Periods of Repeating Decimals (GE, H, TP, TT)**  
Patricia L. Johnson

**Committee Meeting**

10:45 am - 12:45 pm  
2008 Conference Planning

Saturday Noon - 12:50 pm

- S93 **American Mathematics Idol (GE, H, IS)**  
Thomas (Tom) H. Adamson
- S94 **Students' Reasons for Selecting a Computer-mediated or Lecture Class (D, RB)**  
D. Patrick Kinney, Douglas F. Robertson
- S95 **A Dual Credit Program in College Algebra (C)**  
Steven J. Wilson, Mary Deas
- S96 **MathDL and the Math Gateway: NSDL Portals for Your Teaching Resources (G, TT)**  
Mike E. Martin, Bruce W. Yoshiwara
- S97 **Zeno Versus Pythagoras: The Continuous and the Discrete (C, GE, H)**  
David Price
- S98 **The Benefits of Student-Written Practice Exams (A, IS, RB)**  
Marissa Wolfe
- S99 **Using PowerPoint to Introduce Limits (IS, MI, TT)**  
Marlow Dorrough

## Saturday, November 3

**S100 Departmental Leadership–Tips and Techniques, Ideas and Inspiration (DI)**

Patty Amick

**S101 Techniques for Partial Fractions (MI)**

Tingxiu Wang

**S102 Curve Fitting and Regression Analysis: Modeling the World (IS, TT)**

Fred Feldon

**S103 Enhancing Retirement by Staying Mathematically Alive (G)**

Marvin L. Johnson

### Saturday 1:15 pm - 2:05 pm

**S104 Math Class Survives Hurricane Katrina and Returns to Hollywood via MN (G, GE)**

E. John Hornsby, Jr.

**S105 Pythagorean Triples (D, H, TP)**

M. Sunil Koswatta

**S106 “Got Toast?” An Introduction to Functions (IS)**

Lorrie B. Joubert

**S107 Where in the World Am I? (C, GE, TT)**

Valerie Harris

**S108 PowerPoint with Pizzaz (TT)**

*2006 Project ACCESS Fellow:* Marion Foster

**S109 Escape from Functional Ennui (IS, MI)**

Jo-Ann G. Williams, Alison J. Schubert

**S110 The Minnesota Twins: Building a Better Tomorrow, Statistically! (GE, ST)**

Stephen (Steve) A. Krevisky

**S111 The Road from Outcomes to Assessment (A, DI)**

Jack Keating, Lois A. Martin, Kerryn Snyder

*2005 Project ACCESS Fellow:* Marianne C. Rosato

**S112 Basic Math: Keeping the Focus on Fractions (D, IS, TP)**

*2004 Project ACCESS Fellow:* Ana Jimenez

**S113 Adjunct Sharing Time (DI)**

Judith (Judy) A. King, Judy Giffin

**S114 Student Mentors in the Developmental Classroom (D, SS)**

Kevin Hastings, Steven Martin

**S115 Applied Calculus Projects Transform Students’ Attitudes About Math! (IS, MI, TT)**

Bruce Pollack-Johnson

### Saturday 1:15 pm - 3:15 pm

**W27 Proportional Reasoning: An Activity that Tests Students’ Conjectures (D, IS, TT)**

Gary M. Simundza, Nancy Crisler

**W28 The Three-Pound Universe (G, IS, TP)**

Art Rude

**W29 Using Technology to Encourage Developmental Algebra Students to Think (A, D, TT)**

Darlene Whitkanack

### Saturday 2:30 pm - 3:20 pm

**S116 Ingenious Test Review Session in a Developmental Mathematics Classroom (D, IS)**

Gowribalan A. Vamadeva

**S117 Hands-on Math for Global Awareness (C, G, GE)**

Elisabeth H. Knowlton

**S118 Assessment in Online Statistics Courses: Gender, Age, and Ethnicity (A, RB, ST, TT)**

Daniel Larose

**S119 Improvements at *Beyond Crossroads Live!* (G, IS, TT)**

David J. Graser

**S120 Teachers Are Circles and Students Are Octagons (G, IS, TP)**

Diana Orrantia, Joanne V. Peeples

## Minneapolis 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	Math for General Education (Finite Math, Liberal Arts, Quantitative Literacy)
H	History of Mathematics
IS	Instructional Strategies (Learning Styles, Teaching Methodologies, including Modeling)
MI	Math 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.)

## Committee Meeting

1:15 pm - 2:05 pm

Program/Curriculum Issues



## Saturday, November 3

- S122 **It Has to Be Right, That's What My Calculator Says!!! (MI, TT)**  
Abraham S. Mantell
- S123 **Mysteries and Histories of Pi (G, GE, H)**  
Janet E. Teeguarden

### Committee Meeting

2:30 pm - 3:20 pm  
Placement and Assessment

**Saturday 4:30 pm - 6:30 pm**

### Delegate Assembly

Hyatt Regency Minneapolis  
Nicollet A & B

Delegates are to be seated by 4:15 pm.

## Sponsor a Two-Year College Student at the AMATYC Conference

Do you know a two-year college student who is considering a career in mathematics or mathematics education? Do you have a student who comes to you for career advice? An exciting, new opportunity exists for you and that student at this fall's conference. You can sponsor the attendance of two-year college students at the "New Orleans in Minneapolis" Conference! Two-year college students who are sponsored by an AMATYC member will be able to attend the conference at a reduced rate of \$25 for registration. The students will be able to attend any sessions and activities at the conference, except those where meals are provided or tickets are required. However, students can purchase tickets for meals or the other events if desired and can attend the program that follows the meals! They can visit the exhibit hall; attend the symposium, forums and poster sessions; listen to many exciting sessions; and obtain that professional "high" we get when we attend AMATYC conferences! Check the AMATYC conference website for a student registration form and more information. The deadline for students to register is September 30; two-year college student registrations will not be accepted after the September 30 deadline!

## Sunday, November 4

\* *All of Sunday's sessions will be held at the Hyatt Regency Minneapolis.* \*

**Sunday 8:15 am - 9:05 am**

- S124 **Some Creative Graphing Calculator Ideas for Algebra and Trig (MI, TT)**  
Jim Trefzger
- S125 **Mathematical Ideas that Emerge from Data Collected in the Classroom (IS, MI, RB)**  
Scott L. Adamson
- S126 **Involving Adjunct Faculty Through a Department Group or Web Page (DI)**  
Gregory P. Graue
- S127 **Math Knowledge for Teaching: What Is It and How Do Teachers Gain It? (A, RB, TP)**  
Meg Moss
- S128 **What Happens When WAC Principles Come to Developmental Math Courses? (D, GE, IS)**  
Michael G. McComas

**Sunday 9:25 am - 10:15 am**

- S129 **Coping with Learning Disabilities in the College Math Class (IS, SS, TP)**  
Mary C. Rack
- S130 **The Amazing Impact of Mathematics on Society (C, G, H)**  
Gary K. Rockswold
- S131 **Telling Time with Quaternions (MI)**  
Paul A. Kinion
- S132 **Technology and Cooperative Learning: What Works (IS, SS, TT)**  
Homa Ghaussi-Mujtaba
- S133 **Students Don't Do "Optional" (IS, TT)**  
Kim Denley

**Sunday 10:30 am - 11:15 am**

### Closing Session

Kathy Mowers, AMATYC President  
Hyatt Regency Minneapolis/Greenway I

- \* Conference wrap-up
- \* Report on Delegate Assembly actions
- \* Opportunities to get more involved in AMATYC
- \* Preview of next year's conference in Washington, D.C.
- \* Introduction of the 2007-2009 Executive Board
  - \* Passing of the gavel
  - \* Adjournment

## AMATYC Academic Committees

Contact the chair of a committee that interests you for advance information about committee activities at the conference. AMATYC committees are very active and complete much of their work at the annual conference. The committees listed here welcome your participation and input.

### Developmental Mathematics

Jack Rotman, rotmanj@lcc.edu

### Distance Learning

Mary Beth Orrange, orrange@ecc.edu

### Faculty Development

Ernie Danforth, danforth\_e@corning-cc.edu

### Placement and Assessment

Ed Gallo, ed.gallo@sinclair.edu

### Program/Curriculum Issues

Darlene Winnington, dwinning@dtcc.edu

### Technical Mathematics/AAS Programs

Jesse Williford, ljwillif@waketech.edu

### Technology in Mathematics Education

Frank Wilson, frank.wilson@cgcmail.maricopa.edu

## Places to Visit in Minneapolis

- Mall of America
- Underwater World at Mall of America
- The Park at Mall of America
- Nicollet Mall pedestrian avenue
- Walker Art Center
- Minneapolis Sculpture Garden
- Guthrie Theatre
- Historic Orpheum & State Theatres
- St. Paul Ordway Theatre
- Minneapolis Institute of Arts
- Weisman Museum
- Minnesota History Center
- Science Museum of Minnesota
- Minnesota Zoo
- Como Zoo and Conservatory
- Orchestra Hall
- Uptown
- Block E entertainment complex
- Historic Fort Snelling
- Minnehaha Park & Minnehaha Falls
- University of Minnesota
- Target Center
- Hubert H. Humphrey Metrodome
- Minneapolis Riverfront District
- Mill City Museum
- Stone Arch Bridge & St. Anthony Falls
- Basilica of St. Mary
- Cathedral of St. Paul
- Minneapolis Warehouse District
- Mary Tyler Moore statue
- Lake Harriett and Lake Calhoun
- Children's Theatre Company
- First Avenue and 7th Street Entry
- James Ford Bell Library
- Minnesota Children's Museum
- Landmark Center



## Washington, D.C. 2008

Proposals for Washington, D.C. can be submitted at the AMATYC website, [www.amatyc.org](http://www.amatyc.org), beginning November 1, 2007. Mark your calendar **now** to go to the website during or immediately following the Minneapolis conference and submit your proposal for Washington, D.C. The deadline for submitting a proposal to speak in Washington, D.C. is **February 1, 2008**.

# Instructions for Completing Registration Form

## 1. One Registration Form Per Person

The form may be duplicated. No phone registrations. **You are encouraged to register online at [www.amatyc.org](http://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	\$75 per year/\$145 for 2 years/ \$210 for 3 years
Adjunct	\$37.50 annual dues
Retired	\$37.50 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 11/30/07 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 11/30/07, 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", please use the special form sent to the institutional membership contact person. If you do not have this form, please call or email the AMATYC Office.

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

## 3. 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.

## 4. Foundation Donations

Please consider a donation to the AMATYC Foundation, either by attending the fascinating Foundation-sponsored Magic Show or *Calculus: The Musical!* (see page 6 or 9) and/or by making a separate donation. You can make contributions on the conference registration form. AMATYC is a 501-c-3 charitable organization, and all Foundation donations are deductible to the extent provided by law. A contribution is deeply appreciated!

## 5. Saturday Breakfast Choices

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

## 6. Guest Tickets/Single-Day Registrants

A guest can be registered at no cost provided the guest is not a mathematics educator or author. Guest and single-day registration does not include special functions—Friday Continental Breakfast and Saturday Awards Breakfast. Special function tickets can be purchased. **Full conference registration fee includes one ticket for each special function.** Purchase a ticket only if you are a single-day registrant or if you would like a ticket for your guest. See additional information on pages 19-20.

## 7. Deadlines

**To qualify for the discount rate, registration form with payment must be postmarked, submitted via the web, or faxed on or before September 30, 2007.** Registrations that do not meet the September 30, 2007, deadline will be processed at the regular rate.

**Do not mail** the registration form after October 5, 2007. **Do not fax** registration form with credit card information or register online after October 10, 2007. **After these dates, registration will be available on-site only.**

## 8. 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 18, 2007**. A 50% refund less a \$10 service fee will be given if your written request is postmarked on or after October 19, 2007, and by October 31, 2007. No refunds will be given for requests postmarked on or after November 1, 2007. Requests for

return of overpayments must be in writing and received by the AMATYC Office no later than December 15, 2007. All requests should be sent to the AMATYC Office. Refunds for registration fees will be processed approximately four to six weeks after the conference according to the refund policy outlined above.

## 9. AMATYC Mailing Lists

AMATYC may provide email or mailing addresses 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.

## 10. 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 10, 2007, at 901.333.4643 or by email at [bvance@amatyc.org](mailto:bvance@amatyc.org).

## 11. If you have any questions, please contact the AMATYC Office at 901.333.4643 or by email at [amatyc@amatyc.org](mailto:amatyc@amatyc.org).



## Registration Acknowledgement

Every registration form received in the AMATYC Office is acknowledged within 10 days by an email confirmation that includes a receipt number. If you do not receive an email acknowledgement, please contact the AMATYC Office immediately. A copy of this acknowledgement, presented to the on-site registration desk, will serve as proof your registration was submitted on or before the discount deadline.

An official receipt will be mailed once the registration form has been processed. **Please print a copy of your email confirmation and bring it with you to the conference, especially if you do not receive your official receipt in the mail before leaving for the conference.**

# American Mathematical Association of Two-Year Colleges 33<sup>rd</sup> Annual Conference • Register online at [www.amatyc.org](http://www.amatyc.org)

Form, accompanied by payment, must be **POSTMARKED** by September 30, 2007, for discount registration rate.

Is this your first AMATYC conference?  Yes  No  
 If first conference, you are encouraged to attend "AMATYC 101—Enhancing Your First Conference Experience." (See page 21 for details.)

Name \_\_\_\_\_  
Please type or print legibly.

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 mailed to the contact person. Call the AMATYC Office at 901.333.4643 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 email or mailing address lists.

**ADA Accommodations:** See facing page or page 20 for instructions.

**Guest 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 9/30/07)

- Non-vegetarian  Vegetarian

**Single-Day Registration** (Select one box only.)

- Thursday  Friday  Weekend (Saturday/Sunday)

**Symposium and Workshop**

The symposium and workshops no longer require reservations. Entrance to the symposium or 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. **AMATYC makes no guarantee that any conference registrant will be admitted into a workshop.**

**AMATYC Member**

Discount Registration	\$320	\$ _____
Regular (after 9/30/07)	\$360	\$ _____
Single Day, Discount	\$125	\$ _____
Single Day, Regular	\$145	\$ _____

**AMATYC Non-Member**

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

Discount Registration	\$420	\$ _____
Regular (after 9/30/07)	\$460	\$ _____
Single Day, Discount	\$150	\$ _____
Single Day, Regular	\$170	\$ _____

**AMATYC Membership Dues**

Active

<input type="checkbox"/> \$75–1 year	<input type="checkbox"/> \$145–2 years	<input type="checkbox"/> \$210–3 years	\$ _____
Adjunct	\$ 37.50		\$ _____
Retired	\$ 37.50		\$ _____
Student (Sponsor: _____)	\$ 10		\$ _____

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

**AMATYC Foundation**

Magic Show _____tkts. @ \$35/ea.	\$ _____
Calculus: The Musical! _____tkts. @ \$25/ea.	\$ _____
Please consider a donation	\$ _____

**Guest Tickets**

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

Friday, Nov. 2 Continental Breakfast	
_____guest tkts. @ \$30/ea.	\$ _____
Saturday, Nov. 3 Awards Breakfast	
_____guest tkts. @ \$30/ea.	\$ _____
Breakfast: <input type="checkbox"/> Non-vegetarian <input type="checkbox"/> Vegetarian	
<small>(choices are available until 9/30/07)</small>	

**TOTAL** \$ \_\_\_\_\_

★AMATYC Tax ID #11-2531258★

**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 901.333.4651 if using credit card for payment.

Check # \_\_\_\_\_  Visa  Mastercard  Discover  
 \*AMATYC does not accept American Express.\*

Check or Credit Card Payment:  College/Business  Personal

Credit Card # \_\_\_\_\_  
Please print credit card # clearly.

Exp. Date \_\_\_\_\_

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 \_\_\_\_\_

**Registration is NOT complete until payment is received. Check and registration form(s) must accompany purchase order.**





## Conference Hotel: Hyatt Regency Minneapolis

American Mathematical Association of  
Two-Year Colleges (AMATYC)  
November 1-4, 2007

Reservations received after October 6, 2007, or once room block has been filled, will be confirmed on rate and space available basis. Check-out time is 11:00 am. Check-in time is 3:00 pm. Luggage storage is available. If you are running late on your arrival time, please call the hotel to advise our front desk. Call hotel for suite availability.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone(\_\_\_\_\_) \_\_\_\_\_

College/Company \_\_\_\_\_

Names of Persons  
Sharing Room: \_\_\_\_\_

Arrival Date: \_\_\_\_\_ Time: \_\_\_\_\_ Departure Date: \_\_\_\_\_

Early Departure Notification: Prior to your arrival at the hotel or upon check-in, please notify us of any changes in your departure date.

Phone: 800.233.1234  
Be sure to identify yourself as attending the AMATYC Conference.

Mail to: Hyatt Regency Minneapolis  
1300 Nicollet Mall  
Minneapolis, MN 55403

Credit Card No. \_\_\_\_\_ Exp. Date \_\_\_\_\_

American Express       MasterCard       Visa  
 Diners Club             Carte Blanche

Accommodations Requested:

Number of People:     1     2     3     4

Bed Type:               King       2 Beds

Smoking room

Room Rates:

Single:	\$159	plus applicable tax	\$ _____
Double:	\$169	plus applicable tax	\$ _____
Triple:	\$184	plus applicable tax	\$ _____
Quad:	\$209	plus applicable tax	\$ _____
Total			\$ _____

Hotel Deposit: All reserved hotel rooms must have a deposit in the amount of the first night's room and tax by October 6, 2007. All reservations held by credit card will be charged one night's deposit on October 6, 2007. **If you do not check into the hotel on the first night of your reservation, your deposit will be forfeited and your reservation will be canceled. If you cancel your reservation after October 6, 2007, your deposit will be forfeited.**

## Conference Hotel: Millennium Hotel Minneapolis

American Mathematical Association of  
Two-Year Colleges (AMATYC)  
November 1-4, 2007

Reservations received after October 6, 2007, or once room block has been filled, will be confirmed on rate and space available basis. Check-out time is 11:00 am. Check-in time is 3:00 pm. Luggage storage is available. If you are running late on your arrival time, please call the hotel to advise our front desk. Call hotel for suite availability.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone(\_\_\_\_\_) \_\_\_\_\_

College/Company \_\_\_\_\_

Names of Persons  
Sharing Room: \_\_\_\_\_

Arrival Date: \_\_\_\_\_ Time: \_\_\_\_\_ Departure Date: \_\_\_\_\_

Early Departure Notification: Prior to your arrival at the hotel or upon check-in, please notify us of any changes in your departure date.

Phone: 800.522.8856  
Be sure to identify yourself as attending the AMATYC Conference.

Mail to: Millennium Hotel Minneapolis  
1313 Nicollet Mall  
Minneapolis, MN 55403

Credit Card No. \_\_\_\_\_ Exp. Date \_\_\_\_\_

American Express       MasterCard       Visa  
 Diners Club             Carte Blanche

Accommodations Requested:

Number of People:     1     2     3     4

Bed Type:               King       2 Beds

Smoking room

Room Rates:

Single:	\$159	plus applicable tax	\$ _____
Double:	\$169	plus applicable tax	\$ _____
Triple:	\$179	plus applicable tax	\$ _____
Quad:	\$189	plus applicable tax	\$ _____
Total			\$ _____

Hotel Deposit: All reserved hotel rooms must have a deposit in the amount of the first night's room and tax by October 6, 2007. All reservations held by credit card will be charged one night's deposit on October 6, 2007. **If you do not check into the hotel on the first night of your reservation, your deposit will be forfeited and your reservation will be canceled. If you cancel your reservation after October 6, 2007, your deposit will be forfeited.**

## Getting There

### Airport/Hotel Transportation

Transportation from the Minneapolis/St. Paul International Airport (MSP) to the conference hotels is provided in the following ways:

1. **SuperShuttle\***

Cost is \$14 one-way and \$22 round trip if you reserve your trip through the website <https://www.supershuttle.com/webrez/Welcome.aspx?GC=B64CX>. You can also reserve online at [www.supershuttle.com](http://www.supershuttle.com) and click on the online reservations. Choose the airport on the left and click on the online reservation link on the top of the window. Enter the discount code B64CX where appropriate. You will need your airline, flight number, and time of arrival when you make the reservation. Enter Hyatt Regency or Millennium as appropriate for the hotel. Please try to make your reservations at least two weeks prior to the conference.

You can also print out the instructions and a coupon to obtain the rates listed above by clicking on the link [www.amatyc.org/Events/conferences/2007/index.html](http://www.amatyc.org/Events/conferences/2007/index.html) for the conference home page and then clicking on the "Getting There" link on the left side of the page.

When you arrive at the Minneapolis/St. Paul airport claim your luggage at Baggage Claim and then proceed to the lower level (follow the signs to ground transportation), and continue to follow the signs upstairs to the "Scheduled Van/Hotel Shuttle Van" loading area. SuperShuttle is located inside the terminal at the "Ground Transportation Atrium." (Note: the baggage claim is below street level so you must go upstairs to locate the shuttle van. Please stop at the information area if you need directions to the SuperShuttle vans.)

Return Trip. SuperShuttle vans run every half hour between 4:55 am and 5:05 pm. Reservations may be made outside the scheduled times by calling Super Shuttle at 800-258-3826.

2. **Taxi Cab Service\***

Taxi service at the Minneapolis/St. Paul International Airport is accessible via the Tram Level. Signs direct passengers one level up to the cab starter booth, where airport staff will assist passengers needing a taxi. Cab fare from the airport to the Hyatt Regency Minneapolis is approximately \$30. The Millennium Hotel Minneapolis is directly across the street from the Hyatt.

3. **Light Rail/Public Bus Service\***

Light rail service to and from the airport (MSP) is available. Trains stop at the Lindbergh Terminal and connect travelers to 15 other destinations, including downtown Minneapolis to the north and the Mall of America to the south. In the airport, the light rail station entrance is located near the Transit Center, between the Blue and Red Parking ramps. From the main terminal Tram Level (two floors below the Ticketing Lobby), take the automated Hub Tram toward the Transit Center. When you exit the tram, follow the signs to the light rail station, located 70 feet underground. Light rail trains run every 7 or 8 minutes during peak hours and every 10 to 15 minutes at other times of the day. From MSP, trains can take you to the Mall of America in about 11 minutes and to the Warehouse District in downtown Minneapolis in about 25 minutes. Fares are \$2.00 during rush hours (Monday through Friday, 6 to 9 a.m. and 3 to 6:30 p.m.) and \$1.50 at other times. Tickets are sold at vending kiosks at the rail station. For more information, visit the Metro Transit website, [www.metrotransit.org/rail](http://www.metrotransit.org/rail).

If you take the light rail into Minneapolis exiting the train at Nicollet and 5<sup>th</sup> Street, your light rail ticket allows you to ride any southbound bus to the hotels. The Hyatt Regency and Millennium Hotel are about eight blocks from the light rail station. Cross the tracks and the street to catch the bus.

4. **Driving Directions**

If driving to Minneapolis and the conference, directions to the hotels once you reach the Twin Cities can be found at <http://minneapolis.hyatt.com/hyatt/hotels/services/maps/index.jsp>.

[com/hyatt/hotels/services/maps/index.jsp](http://minneapolis.hyatt.com/hyatt/hotels/services/maps/index.jsp).

\*all prices quoted are subject to change

### Getting Around Minneapolis

The Hyatt Regency and Millennium Hotels are located in downtown Minneapolis with sights, stores and more than 50 restaurants within walking distance. You can stroll down the Nicollet Mall, a 12-block walk or if you prefer to stay inside use the skyway system that spans 72 blocks and links hotels, restaurants, shopping, performance venues and attractions. Cabs are readily available for travel beyond the downtown area. Major bus lines going to or connecting to all parts of Minneapolis and St. Paul stop in front of the hotel. Buses can be boarded in front of the hotel, for trips to any destination along the Nicollet Mall for a special fare of only \$0.50 (called the "downtown zone").

### Conference Housing

The 2007 AMATYC Conference hotels will be the Hyatt Regency Minneapolis and the Millennium Hotel Minneapolis.

By prior arrangement with the hotel, the special conference rate for guest rooms will apply three (3) days before and after the "official dates" of the conference. This offer is based on the availability of group rooms over the requested dates. The "official dates" of the 2007 AMATYC conference are Thursday, November 1, through Sunday, November 4.

**The Hyatt Regency Minneapolis and the Millennium Hotel Minneapolis will hold the AMATYC block of rooms until October 6, 2007, or until AMATYC's room block is sold out, whichever comes first.** Any unreserved rooms in the block will be released to the general public for sale after this date. So make your reservation early. Be sure to mention that you are attending the AMATYC conference when you make your reservation.

All hotel rooms must have a deposit in the amount of the first night's room and tax by October 6, 2007. All reservations held by credit card will be charged one night's deposit on October 6, 2007. **If you do not check into the hotel on the first night of your reservation, your deposit will be forfeited and your reservation**

will be canceled. If you cancel your reservation after October 6, 2007, your deposit will be forfeited.

### 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/Events/conferences/2007/index.html](http://www.amatyc.org/Events/conferences/2007/index.html), and by clicking on "Building a Better Tomorrow" no later than September 30, 2007. 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](mailto: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!**

## 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:** The discount registration fees are \$320 member and \$420 non-member **for**

**those registration forms postmarked, submitted via the web, or faxed on or before September 30, 2007.** After this date, the regular registration fee is \$360 member and \$460 non-member. **Do not mail** the registration form after October 5, 2007. **Do not fax** registration form with credit card information or register online after October 10, 2007. **After these dates, registration will be available on-site only.**

On-site registration will be available at the regular rate (\$360 member and \$460 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. You will receive an acknowledgement within 7 to 10 business days. 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.**

### 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 901.333.4643 or [amatyc@amatyc.org](mailto:amatyc@amatyc.org).

### Accepted Forms of Payment

AMATYC accepts payment by check, Visa, MasterCard, and Discover. AMATYC **does not** accept American Express. Payment **must** accompany a purchase order. If paying by check, please make payable to AMATYC (in U.S. funds only).

### Exhibitors

Exhibitors who are not also registered as conference participants may attend any non-ticketed presentations provided seats are available after all AMATYC registrants are seated.

It is the responsibility of the exhibitor to enforce all local regulations when the exhibitor serves alcohol at any AMATYC event.

### 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 18, 2007. A 50% refund less a \$10 service fee will be given if written request is postmarked on or after October 19, 2007, and by October 31, 2007. No refunds for non-attendance will be given for requests postmarked on November 1, 2007, or later. Requests for return of overpayments must be in writing and received by the AMATYC Office no later than December 15, 2007. All requests should be sent to the AMATYC Office. Refunds for registration fees will be processed approximately four to six weeks after the conference as per the refund policy. This refund policy is also applicable to registrants for a single-day registration.

### Workshops

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

### Attention Presenters

Consider submitting your AMATYC conference presentation for publication in the Electronic Proceedings. Sharing your teaching strategies, ideas, and work is important to the development of our profession. The "Instructions for Authors" can be found online at [www.amatyc.org/publications/Electronic-proceedings/for-authors.htm](http://www.amatyc.org/publications/Electronic-proceedings/for-authors.htm).





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. **AMATYC makes no guarantee that any conference registrant will be admitted into a workshop.**

## Symposium

AMATYC is offering a special Symposium on Friday, November 2. The Symposium consists of three events: a 50-minute session, a two-hour workshop, and a poster session. Entrance to the session and two-hour 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 session or workshop will be considered closed, and no one else may enter.

## Guests

Guests are always welcome at AMATYC conferences. They can be registered at no cost provided the guest is not a mathematics educator or author 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. Guest may attend any non-ticketed presentations provided seats are available after all AMATYC registrants are seated.

## 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 10, 2007, at 901.333.4643 or email at [bvance@amatyc.org](mailto:bvance@amatyc.org).

## 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

## MAC & QL Symposium and Poster Session

AMATYC has planned for conference attendees a symposium that includes several events, all scheduled in the Center Forum in the Millennium Hotel in Minneapolis. Begin the day with a featured 50-minute presentation titled "MAC & QL: Many Interpretations and Multiple Collegiate Strategies" (S39). On Friday at 11:45 am a two-hour workshop titled "MAC & QL: Many Strategies for Your Consideration" (Y1) will offer limited seating and will feature activities and strategies to implement MAC/QL at the course, departmental, and institutional levels.

Don't miss the all new component of this symposium, the poster session (Y2) that will include display and discussion of posters created by participants at recent MAC/QL institutes. These posters provide creative visual images of mathematics across the curriculum. An informal setting will allow you to browse through the posters, visiting with each poster presenter.

## 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. 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. Use these opportunities to become more involved in AMATYC. Check the program listing for the scheduled times of committee meetings.

## NSF Poster Session

What new projects related to mathematics education are your colleagues involved in around the country? Come to this poster session and see active NSF funded projects in curriculum development, teacher preparation, technology and more. Principal Investigators of National Science Foundation awards will showcase their projects that have an impact on mathematics in the two-year college. You will find many ideas to explore and build upon for your future in math education.

This session is supported by grant-funding from the National Science Foundation.

## Themed Sessions

There are four themed sessions beginning on Thursday with the return of “Math on the Web” presented by the Distance Learning Committee. Topics this year include the use of discussion forums, strategies to improve retention, blogging, online projects, and department support for online instruction. Also on Thursday the Placement and Assessment Committee will sponsor “Placement and Assessment - Using Ideas from *Beyond Crossroads*.” In this themed session nine speakers will present strategies they’ve developed and challenges they’ve addressed.

On Friday, “Implementing *Beyond Crossroads*” features seven presentations that will explore strategies to improve student achievement. Another option on Friday is “Successful Activities/Projects in Teacher Preparation.” This themed session includes the use of geometry, data collection, problem-solving, Venn Diagrams, probability, statistics and more in the teacher preparation classroom.

## AMATYC 101 and 201

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 to you during the conference and throughout the year.

On Thursday at 8:15 am, Jim Roznowski and Ruth Collins will host “AMATYC 101-Enhancing Your First Conference Experience.” If you are new to AMATYC or attending your first conference, join Jim and Ruth to learn how to maximize your conference experience.

On Friday at 1:00 pm catch “AMATYC 201-Professional Opportunities Through AMATYC” presented by Mary Robinson and Peter Wildman. Learn about the work of AMATYC’s committees, discuss professional development opportunities, and find out how to get more involved in AMATYC.

Bring your questions, meet new friends, and learn about the benefits available to you through your membership in AMATYC.

## 2007 Department/Division Chairs’ Colloquium

The Department/Division Chairs’ Colloquium will be held on Thursday from 9:30 am to 11:30 am. Department chair participation will play a key role in implementing *Beyond Crossroads*. Learn what other Mathematics Departments are doing, what challenges they are facing, and how they are addressing the implementation of *Beyond Crossroads*. Get ideas that you can implement at your campus and share your experiences.

## Exhibits Grand Opening and Dedicated Exhibit Time

The always exciting Grand Opening of the exhibit area will take place in the Hyatt Regency Minneapolis on Thursday evening, November 1, at 4:30 pm. Explore the latest textbooks, videos, calculators, software, distance learning courseware, and much more. Enter drawings for prizes and meet the exhibitors simultaneously by finding answers to exhibitor questions about new products and trivia.

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 4:30 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 4:30 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 1, according to the following schedule. Everyone is invited to participate by attending one or both of these and providing valuable suggestions and insight to guide AMATYC.

## The Use of Technology in Mathematics Education-Proposed Position Statement ♦Final Hearing♦

Hyatt Regency Minneapolis  
Greenway G

Moderator: Frank Wilson,  
TiME Committee Chair  
7:00 pm - 7:30 pm

This is the second and final hearing for the proposed position statement “The Use of Technology in Mathematics Education.” This will be the last opportunity for the membership to provide input on this position statement prior to the vote in the Delegate Assembly on Saturday afternoon.

## Delegate Assembly: Structure and Effectiveness

Hyatt Regency Minneapolis  
Greenway G

Moderator: Jim Trefzger,  
Delegate Assembly Task Force Chair  
7:30 pm - 8:00 pm

This forum provides an opportunity for members to offer input on the structure and role of the Delegate Assembly, as well as on the responsibilities of the delegates. The Delegate Assembly Task Force will use the input to advise the Constitution and Bylaws Committee and the Executive Board.

## Magic Show—“Magic in Minneapolis”

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 2, at 7:45 am while enjoying a continental breakfast that includes juice, fruit, muffins, coffee, and tea. We ask that



you limit your portion size until all of your colleagues have been served.

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.

### **Affiliate Session**

Affiliate leaders and members are invited to attend the Affiliate Sharing Session on Friday, November 2 at 3:30 pm hosted by Ronda J. Kingstad and Abraham S. Mantell. See S77 on page 9.

### ***Calculus: The Musical!***

Join your colleagues for an entertaining evening on Friday at 8:00 pm. Local Minnesota jazz ensembles will begin the evening followed by a performance of *Calculus: The Musical!* For a fun evening purchase your tickets early for \$25 each. With a limited number of tickets available, you will want to order yours before they run out!

This event is being presented by MinnMATYC and the AMATYC Foundation. 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.

### **Delegate Assembly**

The Delegate Assembly will be held on Saturday afternoon from 4:30 pm to 6:30 pm. Delegates will receive a separate mailing with the agenda and meeting information. Contact your regional vice president if you are a delegate and have not received this mailing by mid-October. Members who are not delegates may attend the Delegate Assembly in a special seating section.

## **General Information**

### **Weather**

The beauty and sophistication of Minneapolis is augmented by its striking seasonal variety. Fall is one of the most beautiful times in Minneapolis as the air begins to get crisp and the seasons

change. In early November the average highs are near 50 and lows around 32. Don't miss a stroll in the Riverfront District during fall where the colors are fantastic and the days linger into beautiful evenings.

### **See the Sights**

Interested in seeing the Minneapolis/St. Paul area? Check out the Places to Visit in Minneapolis on the AMATYC website for a list of locations to visit including many outstanding theaters and museums. You will find links to their home pages on the website. Please check back frequently as we will try to keep the page as up to date as possible.

If you are interested in a tour, please stop by the hotel concierge desk. They will have all the information you need to make plans for you and your guests.

### **Local Theaters**

With more than 100 theater venues and more theater seats per capita than any other U.S. city outside New York, the Minneapolis theater scene is booming. From cozy playhouses to majestic 3,000-seat theaters, more than 30 venues offer a wide selection of performance styles:

- The State, Orpheum and Pantages Theatres play host to Broadway productions.
- Companies such as Theatre de la Jeune Lune, Hennepin Stages, Music Box Theatre and the Brave New Workshop provide an innovative and off-beat twist.

With the Minnesota Orchestra, St. Paul Chamber Orchestra and Minnesota Opera, Minneapolis boasts musical groups that are the envy of larger cities.

During the conference, Disney's *The Lion King* will be performing at the Historic Orpheum Theatre. Check out the conference website for more information on what is playing when you are in Minneapolis and for links to the various theaters.

### **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/Email/Communications**

The St. Croix Room in the Hyatt Regency Hotel will be equipped with

computers with Internet access so that you can check your email. Entrance to this room will be through the Minnehaha Room, the Professional Networking/Hospitality Room.

It is suggested that faculty who need to monitor web-based classes bring their own computer and complete this work in the comfort of their guest room.

#### **Hours**

Thursday 8:00 am - 2:30 pm  
and 7:00 pm - 10:00 pm  
Friday 10:30 am - 5:00 pm  
Saturday 10:45 am - 5:00 pm

### **Professional Networking/ Hospitality Room**

Meet new friends or visit with colleagues in the Hospitality Room located in the Minnehaha Room of the Hyatt Regency Minneapolis. Enjoy a snack or beverage and relax with a puzzle or game or just listen to some music. Members of the Minneapolis Local Events Committee, offering a warm welcome, will be there to orient you to the city with information and maps to local attractions.

Members of the New Orleans Local Events Committee will be there with a "Touch of New Orleans" and with stories of recovery that will warm your soul. You can sign up to join others for dinner or to spend the evening at one of Minneapolis/St. Paul's many attractions. Get a group together and meet in the Hospitality room before you trek to the Mall of America! Connected to the Hospitality room is the room with computers to check your email.

#### **Hours**

Wednesday 5:00 pm - 10:00 pm  
Thursday 8:00 am - 2:30 pm  
and 7:00 pm - 10:00 pm  
Friday 10:30 am - 5:00 pm  
Saturday 10:45 am - 5:00 pm

# 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, Inc.

- C10**  
**Friday**  
**12:30-2:00**
- Using the CASIO ClassPad to Enable Students to Achieve in Algebra**  
*Larry Osthus*
- Mandated to have all students complete algebra, a teacher's group decided to have their lower performing students use the CASIO ClassPad in pre-algebra and algebra classes. This presentation is the story of the teachers' journey and the impact it has had on the teachers and students involved.

## Hawkes Learning Systems

- C7**  
**Friday**  
**10:30-Noon**  
**and**  
**C15**  
**Saturday**  
**10:45-12:15**
- How to Motivate Students by Using Software**  
*Emily Omlor*
- Discover the advantage of software created by a company specializing exclusively in mathematics. Come see a demonstration of Hawkes Learning Systems student software, online grade book and test generator to learn more about our mastery-level homework system, artificial intelligence for diagnosing errors and software license that never expires!

## McGraw-Hill

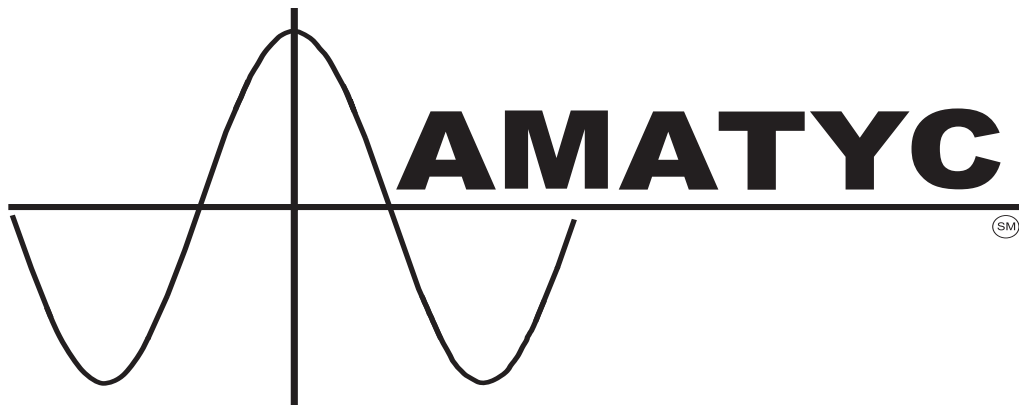
- C5**  
**Friday**  
**10:30-Noon**
- ALEKS**  
*Ken Lee*
- ALEKS is the only artificial intelligence-based system for individualized assessment and learning in mathematics courses and has been proven in numerous studies to increase student performance. ALEKS improves student success rates in developmental mathematics. This is a must session featuring instructors who have successfully used ALEKS in their math programs.
- C11**  
**Friday**  
**2:30-4:00**
- MathZone**  
*Alina Coronel*
- Join a faculty-presented session on MathZone, an online student learning and assessment system that delivers algorithmically-generated eHomework problems from leading McGraw-Hill textbooks with grading and assessments that feed automatically to an instructor's grade book. MathZone has an interface built around instructors' needs and is Apple Mac-compatible.

## Pearson Education

- C6**  
**Friday**  
**10:30-Noon**
- MyMathLab Training for Novice Users**  
*Diane Gray*
- Educators new to MyMathLab will learn how to create a course, homework assignments, tests and quizzes, manage the gradebook and track student progress, and become familiar with multimedia resources available to students.
- C12**  
**Friday**  
**2:30-4:00**
- MyMathLab Training for Experienced Users**  
*Diane Gray*
- Educators who have been teaching with MyMathLab for at least one year will learn how to use advanced MyMathLab features, manage multiple sections using coordinator and member courses, use the MathXL exercise builder to create custom exercises, customize the learning environment, and utilize communication tools.
- C14**  
**Saturday**  
**10:45-12:15**
- MyMathLab Strategies for Teaching**  
*Diane Gray*
- Educators who have been teaching with MyMathLab for at least one term will learn and see how experienced educators have designed and administered their traditional, hybrid, lab-based, and online MyMathLab courses. Discussions will focus on best practices and sharing instructional strategies.

## Texas Instruments, Inc.

- C13**  
**Friday**  
**2:30-4:00**
- Multiple Representations in Algebra: TI-Nspire = Better Understanding**  
*Wade Ellis*
- Increase your Algebra students' level of understanding of algebraic concepts and problem-solving processes by efficiently connecting math concepts through multiple representations. Through a balanced approach of algebraic, numerical, graphical, and geometric representations, you provide the maximum potential for your students to grasp important and difficult concepts in different ways.



## 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 scientifically and technologically literate citizens who are capable of making educated decisions, who have skills needed by business and industry, and who will continue to educate themselves;
- ◆ Lead the development and implementation of curricular, pedagogical, and assessment standards for two-year college mathematics education;
- ◆ Assist in the preparation and continuing professional development of a competent and diverse mathematics faculty skilled in a variety of teaching and learning techniques;
- ◆ Serve as a network for communication, policy determination, and action among faculty, affiliates, and other professional organizations; and
- ◆ Communicate two-year college mathematics perspectives in public, business, and professional sectors.

Adopted April 18, 2004



## AMATYC Executive Board

**Kathy Mowers**  
*President*

Owensboro Community & Tech College  
Owensboro, KY  
kathy.mowers@kctcs.edu

**Richelle (Rikki) Blair**  
*President-Elect*  
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## On-site Conference Registration ♦ Hyatt Regency Minneapolis, Nicollet Promenade

Wednesday, October 31 ..... 4:00 pm - 8:00 pm  
Thursday, November 1 ..... 7:00 am - 5:00 pm

Friday, November 2 ..... 7:00 am - 4:00 pm  
Saturday, November 3 ..... 7:00 am - 8:00 am  
Saturday, November 3 ..... 10:00 am - Noon

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