The American Mathematical Association of Two-Year Colleges

34th Annual Conference

Hilton Washington Hotel
1919 Connecticut Avenue, NW
Washington, DC 20009
Reservations: 888.324.4586

Washington, DC
November 20-23, 2008

Hosted by VMATYC, MMATYC, and the Mid-Atlantic Region

Register online at www.amatyc.org

Opening Doors Through Mathematics
American Mathematical Association of Two-Year Colleges  
34th Annual Conference * Washington, DC

KEYNOTE SPEAKERS

Thursday Opening Session
Freeman Hrabowski
21st Century Math Education: Promoting Success Among All Students

Freeman Hrabowski joins us in the opening session of our 34th conference to discuss the huge changes technology and demographics have brought as we strive to educate the next generations in mathematics of the 21st century. He asks questions that we continue to wrestle with: What knowledge base do students need today? What skills must they possess to succeed in their lives in this century? What strategies can we use to better teach them?

Hrabowski earned a degree in mathematics at age nineteen from the Hampton Institute, and completed an M.A. in Mathematics and a Ph.D. in Higher Education Administration/Statistics at twenty-four from the University of Illinois. We might perceive him as one of those brilliant students we all love to have in our classes who never understands how difficult that same achievement is for many of our students. We would be wrong. Freeman has continued his research in mathematics and science education. He has served as president of the University of Maryland, Baltimore County, since May 1992, where he is credited with increasing the success of its students in the sciences. He serves as a consultant on several corporate and civic boards where many are able to share in his wisdom in a national arena.

Saturday Awards Breakfast Session
David Wright
Physics is Phun

What entertainment and education will we enjoy when the title of David’s talk is so punny? Let’s check out what a bed of nails, balls of fire, and a leaf blower all have to do with mathematics. Come and see how the mathematics behind physics is revealed with his eye-popping, magical demonstrations. Be prepared to participate! Maybe he’ll even demonstrate a physics olympics activity. We’d better ask him what that is all about.

Wright received his bachelor’s and master’s degrees in physics from Brigham Young University and a Ph.D. in Physics from Virginia Tech. Since then Tidewater Community College in Virginia has continued to use his talents as a professor in physics and astronomy.

David Wright has appeared on Live with Regis and Kathy Lee and Late Night with Conan O’Brien. He is Dr. D on the NASA Science Files TV series. He has written educational books for Busch Gardens in Williamsburg and in Tampa and he does physics demonstration shows regularly at those parks. He’s someone we can cheer for as far as science education goes.

On-site Conference Registration
Hilton Washington Hotel * Concourse

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<td>Wednesday, November 19</td>
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<td>Saturday, November 22</td>
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Abigail Norfleet James is presently an adjunct faculty member with Germanna Community College and is considered an expert in gendered education. She received a Bachelor’s of Science in 1970 from Duke University and a Ph.D. in Educational Psychology in 2001 from the University of Virginia. James conducts workshops in the U.S. and Canada concerning techniques for teaching in gendered classrooms and is on the Advisory Board of the National Association for Single Sex Public Education. Her fifty-minute session will be very interesting as she discusses the differences in female and male learning styles and their neurocognitive gender differences, and demonstrates classroom strategies to help students by countering a predominant belief that women cannot do well in mathematics.

John Adam will provide an entertaining fifty minutes in his presentation about patterns that can be found everywhere from rainbows to butterfly wings, from cloud formations to spider webs. John became professor of mathematics and statistics at Old Dominion University in Virginia in 1984. He has received its highest teaching award and has held the title of university professor since 1999. He received the state of Virginia’s highest honor for faculty when he was presented the Outstanding Faculty Award in 2007. John received both a B.S. and Ph.D. from the University of London, the former in 1971 and the latter in 1974.

George Boggs will address current and future national challenges that affect community colleges and the nation with an emphasis on why the work being done to improve student access, learning success, STEM education, and accountability is so important. He presently serves as president of the American Association of Community Colleges (AACC). The association is the primary advocacy organization for the nation’s 1,202 associate degree granting institutions that are working with more than 12 million students. Boggs was formerly a faculty member at Butte College and then president of Palomar College, both in California. He serves as a member of the Committee on Undergraduate Science Education of the U.S. National Research Council, and has served on the U.S. National Science Board and several foundation panels, commissions, and committees.

Larry Faulkner is president of Houston Endowment, a private foundation. He was part of the chemistry faculties at Harvard, University of Illinois, and University of Texas, and was president of the University of Texas at Austin from 1998 into 2006. He recently chaired the National Mathematics Advisory Panel. Larry will present findings from the panel about this huge research effort. Using 16,000 previous and continuing studies and obtaining testimony from 63 organizations and 41 experts, the Panel presented its recommendations to the President and the Secretary of Education. He will share those findings and recommendations with us.
Thursday, November 20

**CONFERENCE PROGRAM**

Following the title of each regular session and workshop you will find letter codes identifying the general categories that best describe the focus of the presentation. The first code listed designates the primary area of focus. We hope you find these codes helpful in developing your conference schedule. Please check the Program Key box for this year’s featured categories and codes.

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

**S1**  The Magic of Calculus (TT, MI)
Thomas (T. J.) Johnson, Lynne Ryan

**S2**  A Simple Complexity: The Self-Organization of Mussel Beds (C, G, RB)
Ann E. Commito, John A. Commito

**S3**  Scientific and Algebraic Thinking: Visualizing with Interactive Excel (TT, IS)
Scott A. Sinex

**S4**  AMATYC 101 - Enhancing Your First Conference Experience (G)
Ruth Collins, Michael H. Hardie

**S5**  Divide and Conquer! (MI, A, RB)
Vicki L. Gearhart, Paula L. McKenna

**S6**  Peaks and Valleys: The Redesign of Developmental Education (D, A, RB, DI)
Helen (Honey) Kirk

**S7**  Making Connections: Family & Friends (G)
Judy H. Williams

**S8**  Yes! A Fifth-grader Can Solve It! (TP, D, IS, RB)
Darlene F. Winnington

**S9**  Motivating Students and Increasing Success Using Student Contracts (IS, D, RB)
George Woodbury

**Thursday 8:30 am - 10:25 am**

**Themed Session**

**T2**  Applications in Action

**T2A**  Applications in Action (C, G, MI)
Nan C. R. Jackson

**T2B**  Connecting Geometry, Algebra, and Technology in a Useful Model (D, TT)
Robert L. Kimball, Jr.

**T2C**  Conic Sections and Skis (G, MI)
Brenda H. Alberico

**T2D**  Navigating in Ocean Currents with Trigonometry (D, G)
John K. Knudson

**T2E**  Basics Statistics and Regression Applied to Real Life (ST)
Taner L. Figarola

**T2F**  Measuring Cracks in the Space Shuttle (D, G)
Patricia L. Hirschy

**Washington, DC 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.)

**Making Connections: Family & Friends Session (S7)**

8:15 am, Thursday, November 20 in the Cabinet Room

If you are bringing guests to the conference, this session is for them to learn what’s happening outside the hotel. Encourage them to attend this session to hear from AMATYC spouses and other family members what they like to do in the city.
Thursday 8:30 am - 11:25 am

**Themed Sessions**

**T3**  Math on the Web: Tools, Techniques, and Observations

**T3A** Tablet PCs: The Ultimate Tool for Math on the Web (TT)
Fred Feldon, Jodi Cotten

**T3B** Cooperative Learning in Online Mathematics Courses (IS, TT)
2007 Project ACCESS Fellow:
Mark R. Marino

**T3C** Administrative Issues of Online Instruction (A, D1, TT)
Patty Amick

**T3D** Putting the Learning in Distance Learning (IS, TT)
2007 TE Award Recipient: Mary Beth Orange

**T3E** Cheap, Easy Online Videos and Office Hours (TT)
Denise H. Robichaud

**T3F** An Overview of a Hybrid Mathematics Course (TT)
Jodi Cotten

**T3G** New Learning Evaluation Instruments for Quantitative Literacy (A, GE)
Wayne F. Mackey

**T3H** Mathematics on the Go! (TT)
Oiyin Pauline Chow

**T3I** Mathematics Content in the National Science Digital Library [NSDL] (TT)
Mike E. Martin

**T4** Mathematics Placement and Assessment and Beyond Crossroads

**T4A** Mandatory Placement: How It Works at Our School (A)
Margaret J. Hager

**T4B** The Missing Placement Test Needed for Calculus (A, MI)
2005 Project ACCESS Fellow:
James (Rob) Eby, Jeffrey Downs

**T4C** A Multiple Measures Approach to Mathematics Placement (A)
Edwin G. (Ed) Owens, Joanna K. Pruden

**T4D** Using Course Level Assessment for Developmental Mathematics (A, D)
Sharon E. Gott

**T4E** College Algebra Assessment at the Course and Program Levels (A)
Dana T. Calland

**T4F** Using Software for Course Assessment (A, TT)
Benjamin P. Nicholson

**T4G** Assessment of a New Three-quarter Algebra Sequence (A)
Edward A. Gallo

**T4H** Mastery Skill Quizzes Make the Difference (A)
Laura Bracken

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

**S10** Mathematics in Movies and Television – Laugh and Learn! (G, GE, D)
Richard Zucker

**S11** How Did They Do That? Successful Implementations of Beyond Crossroads (IS, RB, A)
Bruce W. Yoshiwara

**S12** The Square Root of WHAT?? (H, MI)
Joanne V. Peeples

**S13** Literacy Strategies in Teaching and Learning Developmental Algebra (D, IS, C)
Barbara Tozzi, Rita Hall Marshall

**S14** AMATYC Affiliate Sharing Session - Ideas for Affiliates (G)
Bernadette Sandruck, Sarah Martin

**S15** Two-Year Colleges’ Role at ICME-11 in Monterrey, Mexico, July 2008 (G)
Sadie C. Bragg

**S16** Effective Methods of Tutor Training in Remedial Mathematics (SS, D, IS)
Maria H. Hipple, Bella Z. Zamansky, Ralph J. Kemphaus

**Thursday 9:30 am - 11:30 am**

**W1** Make It Real! Classroom Activities that Energize Students (IS, MI)
Frank C. Wilson

**W2** Take a Chance on Math: Probability for Preservice Elementary Teachers (TP, ST)
Andy D. Jones

**Thursday 10:00 am - 11:30 am**

**C1** McGraw-Hill Higher Education: Using Online Homework Effectively for Better Retention

**Thursday 10:45 am - 11:35 am**

**S17** Algebra for Precalculus and Calculus Students: Mindful Manipulation (MI, TP)
Philip Cheifetz, Ellen Schmierer

**S18** Experiences with NSF Grant DUE 0003065 -Tech Mathematics for Tomorrow (C, G)
2007 TE Award Recipient: Mary Ann Hovis

**S19** Plato and Mathematics (H, G, C)
David Price

“Friday Specials” to Enliven Your Class! (G, GE)
Jack Weiner
Thursday, November 20

S21  Course Redesign - Paradox or New Paradigm for Standards-based Math? (IS, DI, TT)
Judy E. Ackerman, Robert L. Carson, Byron A. Dyce, Susan M. Knights, Stephanie Pepin

S22  Applications of Student Response Systems: Calculus and Statistics (TT, IS, MI, ST)
Bridgette L. Jacob, Jennifer M. Bergamo, Kathleen A. Cantone

S23  Math Success for All: How to Help Minority Students Succeed (RB, G, SS)
Kim Tsai Granger

Wednesday 12:30 pm - 1:20 pm

S24  Achieve’s ADP Assessment Partnership: Algebra II End-of-Course Exam (C, A)
Laura Slover, Tracy Halka

S25  The Right Stuff ... or Is It? (MI, IS)
Robert L. Kimball, Jr.

S26  Mathematics Podcasting to Go - Design, Purpose, Format, Delivery (IS, TT)
Oiyin Pauline Chow

S27  Integrating Math Study Skills into Developmental Mathematics Classes (SS, D, IS)
Lynn Marecek, Mary Anne Anthony

S28  Training and Supporting Online Faculty (TT, DI, RB)
Peg Pankowski

S29  Am I My Students’ Mother? (SS, IS)
Nancy J. Rivers, Alison J. Schubert, Jo-Ann G. Williams

Thursday 12:30 pm - 2:00 pm

C4  Maplesoft: Clickable Calculus: Syntax-Free Maple in the College Math Curriculum
Robert Lopez

Thursday 12:30 pm - 2:30 pm

Q1  Department/Division Chairs’ Colloquium (DI)
Anne Dudley, Peter Collinge

W3  Rate, Ratio, and Average Rate of Change: What Does It All Mean? (IS, RB)
2007 TE Award Recipient: Scott L. Adamson

W4  California Basic Skills Initiative: What’s It All About? (D, SS, C, RB)
Barbara S. Illowsky, Wade Ellis, Jr.

W5  Fun & Exciting Activities for Algebra Students (IS, D)
Sally D. Sestini, Mary E. Clarke

W6  An Intelligent Partnership of Mathematics, Technology, & Manipulatives (TP, TT, IS, D)
Darlene Whitkanack

W7  An Introduction to Graphing Equations and User Controls in Excel 2007 (TT)
Paul Seeburger

Thursday 1:30 pm - 4:45 pm

Poster Session
(Closed from 3:00 pm to 4:30 pm for the Opening Session.)

Thursday 1:45 pm - 2:35 pm

S30  Gender Differences and the Teaching of Mathematics (IS, RB)
Featured Speaker: Abigail Norfleet James

S31  Adapting Face-to-Face Course Materials for Distance Learning (TT, IS)
2007 TE Award Recipient: Lois A. Martin

S32  Community Colleges’ Role in Math Teacher Education: A National Survey (TP)
Mona Fabricant

S33  The Mathematics of the Monuments (G, C, MI)
Jim Roznowski

S34  Statistics in Action: Explore a Successful Service-Learning Project (ST, IS)
Mary E. DeHart

S35  Making It All Add Up in a Learning Community (SS, D, IS, RB)
Mary Beth Angeline, M. Jean Bolyard, Linda A. King

Committee Meeting
1:45 pm - 2:35 pm
Placement and Assessment
Thursday 3:00 pm - 4:30 pm

Opening General Session
International Ballroom Center

Remarks by
Richelle (Rikki) Blair, AMATYC President

Speaker: Freeman Hrabowski
21st Century Math Education: Promoting Success Among All Students

Thursday 4:45 pm - 7:30 pm

Grand Opening of the AMATYC Exhibits
Exhibit Hall

Thursday 7:00 pm - 8:00 pm

AMATYC Forum
Georgetown West
(see page 21 for complete description)

Combining the Constitution and By-laws
Moderators: Irene Doo and Martha Goshaw

Thursday 7:00 pm - 10:00 pm

Fuzzy Slippers and PJs Welcome —
Drop in for conversation, games, and snacks!
Bring your favorite CD to play.
Dress comfortably.
Professional Networking/Hospitality Room

See page 20 for details.

Thursday 8:30 pm - 10:00 pm

AMATYC Foundation Presents
“Conjuring in the Capital”
with Master Magician Phil Cheifetz
$35/person (Ticket Required)
Cabinet

See page 22 for details.

Places to Visit in Washington, DC

♦ National Art Gallery
♦ Museum of American History
♦ National Aquarium
♦ National Zoo
♦ Holocaust Memorial Museum
♦ Library of Congress
♦ Kennedy Center
♦ Embassy Row
♦ Washington Monument
♦ National Arboretum
♦ Air and Space Museum
♦ Vietnam Memorial
♦ Pentagon
♦ National Archives
♦ Kenilworth Aquatic Gardens
♦ National Postal Museum
♦ The National Cathedral
♦ Museum of Natural History
♦ Lincoln Memorial
♦ Ford’s Theater
♦ The Spy Museum
♦ The Smithsonian Castle
♦ The Jefferson Memorial
♦ Restaurants featuring any ethnic cuisine you could desire

••Check the Local Events website for ticket offers and other special events for AMATYC attendees••

Workshop descriptions will be posted on the Conference website at www.amatyc.org.
Friday 7:45 am - 9:45 am

Regional Meetings* & Continental Breakfast
Northeast - Jane Tanner
Mid-Atlantic - Ruth Collins
Southeast - Donna Saye
Midwest - Jim Trefzger
Central - Peter R. Wildman
Southwest - Jean Woody
Northwest - Stefan Baratto
West - Mike Hardie
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.

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

Friday 9:45 am - 10:30 am

Friday 10:30 am - 11:20 am

S36 Why We Must Achieve the Dream (G)
Featured Speaker: George R. Boggs

S37 Faculty Mathematics League Contest (G, MI)
Steven Blasberg, Susan R. Strickland

S38 Developing Cognitive Mathematics Assessments for Daily Classroom Use (A, IS, G)
Maria Andersen

S39 Hybrid and Online: Comparison of Designs, Experiences and Outcomes (TT, D, IS, RB)
2007 TE Award Recipient: Louise Olshan

S40 An Engineer and Algebraic Forms (G, GE)
William G. Steenken

S41 Third Time’s a Charm: Changing Math Success for Developmental Students (D, IS, SS)
Joni Burnette Pirnot, Julie Francavilla, Jana M. Bryant, Paul D. Nolting

S42 Standards in Action: From Student Blues and Blahs to Oohs! and Aahs! (IS, GE, TT)
James J. Rutledge

S43 Learning Arithmetic Through Life (D, IS)
Linda Laine

Friday 10:30 am - Noon

C5 McGraw-Hill Higher Education: Improving Student Success with ALEKS Redesign

C6 Pearson Education: MyMathLab Training for Novice Users
Sandee House, Diane Gray

C7 Texas Instruments: To CAS or NOT to CAS...
Steve West

Friday 10:30 am - 12:30 pm

W8 Monumental Mathematics Activities (IS, TT, GE)
Bevery A. Meyers

W9 A Preview of AMATYC’s Traveling Workshops (IS, G)
Pat Averbeck, Patrick DeFazio

W10 Dinosaurs! House Building! Hot Air Balloons! (IS, C, GE)
Laura Moore-Mueller, Robin Washam, Deann Anguiano, Russ Ballard

W11 Learning-style Activities for Introductory Mathematics Courses (IS, D, GE, TP)
Bruce Wahl

W12 Cultural Contexts for Two-Year College Mathematics (C, GE, TP)
2005 Project ACCCESS Fellow: Barbra Steinhurst

W13 Using Learning Objects to Improve Student Learning (TT, D, IS)
Wade Ellis, Jr.

Friday 10:30 am – 4:45 pm

Commercial Product Presentations by AMATYC Exhibitors
AMATYC Exhibit Hall

New to this year’s conference, AMATYC exhibitors will conduct 30-minute presentations in the Exhibits Area on their products. The presentations’ titles, descriptions, and speakers will be given in the conference program and displayed in the Exhibit Hall. Be sure to check which companies will be presenting and which new products will be demonstrated. Make plans to attend one or all.

Friday 11:45 am - 12:35 pm

S44 Mathematical Reasoning for ALL Students on Key Math Topics and Skills (G, C, IS)
Henry S. Kepner, Jr.

S45 Reflective Assessment and the Program Review Process (A)
Laura Bracken
S46  Unexpected Occurrences of the Number $e$ (MI, ST, G) 
Harris Shultz

S47  Reviving Your Students Using CPR [Creative Presentations Regularly] (IS, D) 
Alan Tussy

S48  A Way to Help Students Read and Understand Their Math Textbooks (D, SS) 
Joanna K. Pruden, Lauren Rhodes Gordon, LeAnn Henry, Diana L. Kuhns

S49  An Investigation of McDonald's Golden Arches (TT, IS) 
Jim Langley, William A. (Bill) Parker, Jerry R. Kissick

S50  Online Course Tips & Techniques - Experiences from the Past 6 Years (TT, IS) 
Shawna Haider

S51  Making Adjuncts Feel Like Part of the Department (DI) 
Sean D. Simpson

Friday 12:30 pm - 2:00 pm

C8  John Wiley & Sons, Inc.: Maximizing Student Success in Mathematics with WileyPLUS 
Catherine Cutcher, Brad Franklin

C9  Pearson Education: MyMathLab Training for Experienced Users 
Sandeep House, Diane Gray

C10  Hawkes Learning Systems: Improving Student Performance with Mastery-based Software 
Emily Omlor

Friday 1:00 pm - 1:50 pm

S52  The National Mathematics Advisory Panel (RB, D, IS) 
Featured Speaker: Larry Faulkner

S53  We’re Still GAISEing (ST, TT) 
Judy H. Williams, Christy A. Hewett, John R. F. Gallo

S54  Classroom Lessons Learned from ICME-11 (G) 
Laura Watkins, Steven Blasberg

S55  Why Mathematics Is Much More than Computation (G, TT, C) 
Gary K. Rockswold

S56  March Math Madness: The Mathematics of the NCAA Basketball Tournament (ST, GE, G) 
Mark D. Colgan

S57  Development of a Web-based Placement Exam (A, RB) 
Sandra J. (Sandy) Carlson, Edwin G. (Ed) Owens

S58  Teaching Mathematics Online: Sharing Session (TT, IS) 
2007 TE Award Recipient: Mary Beth Orange, Patricia R. Lanz

S59  A New Twist on Trigonometric Graphs (IS, MI) 
Mark D. Turner

S60  The Probabilities of Basic Sports Wagering (GE, G) 
Ronald W. Yates, Patrick L. Villa

S61  Examining a Well-known Problem (G, MI) 
Joseph Cicero

S62  AMATYC 201 - Professional Opportunities Through AMATYC (G) 
Peter R. Wildman, Jane D. Tanner

S63  Mentoring Women Students in STEM Disciplines at the Two-Year College (SS, C) 
Arminda M. Wey, Ellen J. Musen

Friday 2:15 pm - 3:05 pm

S64  The Mathematics of Beauty and the Beauty of Mathematics (G, H, C) 
Monica M. Neagoy

S65  Teaching the Millennial Generation – How Beyond Crossroads Can Help! (IS) 
Martha T. Goshaw

Washington, DC Program Key

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C  Connections (Articulation with K-12, Universities, Business, Interdisciplinary Classes, etc.)
D  Developmental Mathematics
DI  Department/Division Issues (Adjunct Issues, Mentoring New Faculty, etc.)
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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 21

S66 Liberal Arts Mathematics – A Project-based Approach (GE, TT)
Mark A. Roland

S67 Interactive Tools and Visualizations for Precalculus and Calculus (MI, TT)
David R. Hill, Lila F. Roberts

S68 Center, Spread, and Shape in Inference: Claims, Caveats, and Insights (ST, IS)
Nancy Pfenning

S69 Assessing Critical Thinking (A, IS)
Mary D. Pearce, Sharon F. Welker

S70 Online Mathematics Classes that Work (TT)
Calandra M. Davis, Andrea M. Hendricks

S71 Sharing Session for Users of Brain-Friendly Teaching Strategies (IS, RB)
Diana L. Hestwood

S127 Cool at School! Improve Attendance, Retention and Grades in Dev Math (D, IS, RB)
Julie Miller, Molly O’Neill

**Friday 2:15 pm - 4:15 pm**

S72 Mathematics Across the CC Curriculum (MAC\(^3\))
Sharing Session (IS, C, A)
Deann Leoni, Rebecca T. Hartzler, Christie Gilliland, Jim Roznowski

S73 Developmental Mathematics Network & Sharing Session (D)
Gail G. Burkett, Judy Giffin, Jack W. Rotman

W15 Everybody Counts – but Is Everyone Counted? The Math of Voting (GE, G)
Don St. Jean

W16 Practicing What We Preach: Effective Cooperative Learning Practices (IS)
Karen Wells, Annette L. Leopard

W17 Biocalculus Computer Laboratory Projects (TT, MI, C)
Timothy D. Comar

**Friday 4:30 pm - 5:30 pm**

Committee Meetings
4:30 pm - 5:30 pm
Division/Department Issues
Innovative Pedagogy Strategies
Mathematics for AAS Programs
Mathematics Intensive/College Mathematics Placement and Assessment
Teacher Preparation

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

C12 Pearson Education: Creating Custom Exercises in MyMathLab and MathXL
Sandee House, Diane Gray

C13 Hawkes Learning Systems: Improving Student Performance with Mastery-based Software
Emily Omlor

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

S74 Enhancing Your Students’ Conceptual Understanding of Statistics (ST, TT, IS)
Michael J. Sullivan, Ill
Saturday Awards Breakfast Session

Saturday 7:45 am - 10:00 am

Breakfast Served: 7:45 am - 8:00 am

(*Ticket Required)

Program: 8:30 am - 10:00 am

Presentation of Awards
Richelle (Rikki) Blair, AMATYC President

Speaker: David Wright

Physics is Phun

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

S82 Mathematical Patterns in Nature (MI, H, TP)
Featured Speaker: John A. Adam

S83 Calculus for Biology & Medicine (MI, TT, C, IS)
Mike E. Martin

S84 Is There a Place for Spreadsheets in Algebra or General Ed Courses? (TT, GE, IS)
James W. Hall, Brian Mercer

S85 A Multiple Measures Approach to Mathematics Placement (A, DI)
Joanna K. Pruden, Diana L. Kuhns, Edwin G. (Ed) Owens

S86 Providing Opportunities for ALL Students in Basic Mathematics (D, IS)
Gary M. Simundza, Nancy Crisler

S87 Teaching Learning Strategies in Math Class/Better Learners Guaranteed (SS, IS, D, RB)
2006 Project ACCCESS Fellow: Jason M. Edington

S88 The AMATYC Teaching Excellence Award – Opportunity and Process (G)
2007 TE Award Recipients: Louise Olshan and Scott L. Adamson

Saturday 10:45 am - 12:15 pm

C14 Pearson Education: MyMathTest Strategies for Implementation
Sandee House, Diane Gray

Saturday 10:45 am - 12:45 pm

W18 Toward Quantitative Literacy: Interesting Problems in Finance (GE, TT)
2007 TE Award Recipient: James A. (Jim) Ham

W19 Engaging Statistics Students Through Hands-on Experiences (ST, IS)
Roxy Peck

W20 Projects Across the Curriculum (GE, IS, TP)
Christina Dwyer, Nancy R. Johnson, Joni Burnette Pirnot, Julie Francavilla

W21 The Log of Logs Portfolio for Mathematics Students (IS, A)
Robert N. Baker

Saturday 10:45 am - 12:45 pm

Committee Meeting
10:45 am - 12:45 pm
2009 Conference Planning

Saturday Noon - 12:50 pm

S90 Using Mathematics to Create Symmetry Patterns (G, MI)
Joseph A. Gallian

S91 Monumental Projects for Differential Equations (MI, TT)
Patricia Dueck, David Dudley

S92 Increasing Student Success: A Journey of Course Redesign (D, A, DI, RB)
Andreana M. Grimaldo

S93 Join the Global Community: The Chinese Abacus & Number Sense (H, D, IS)
Cheryl Ooten

S94 Using Tablet PC Technology: A Dynamic Alternative to the Chalkboard (TT, IS)
Kristina K. Schmid, Katherine R. Struve

S95 Applied Intermediate Algebra: An Option for Liberal Arts Students (GE, C, D)
Deann Leoni, Pat Averbeck

S96 What’s Reading Got to Do with Mathematics? (IS, SS, D, TP)
2005 Project ACCCESS Fellow: Amber H. Rust

S97 Connecting the Concept of Area: From Algebra to Calculus (IS, MI)
Frank E. (Trey) Cox
Saturday, November 22

Saturday 1:00 pm - 2:30 pm

C16  Pearson Education: MyMathLab Strategies for Teaching
     Sandee House, Diane Gray

Saturday 1:15 pm - 2:05 pm

S98  Statistical Mythbusters (ST)
     Marty Triola

S99  Click Your Way to More Engaged Classes (TT, A, IS)
     Kenneth A. Takvorian

S100 Distance Ed & Equal Opportunities: Learning Math in Rural Alaska (TT, C, TP)
     2007 Project ACCCESS Fellow: Sandra J. Wildfeuer, Shirley Kruger

S101 What's Mathematics Got to Do with Reality Competition Shows? (GE, G)
     Jerry J. Chen

S102 The Math Is Always Greener: Environmental Issues Engage Students (IS, A, RB)
     Cynthia Y. Young

S103 Math Boot Camp: An Algebra Community with Successive Short Courses (D, IS, SS)
     Jay Lehmann

S104 Math & Jeopardy: Or I Have an Answer, Do You Know the Question? (G, IS)
     2007 TE Award Recipient: Anne Dudley

S105 Trigonometric Curiosities (H, TP, MI)
     John W. Coburn

S106 AMATYC 299 – Leadership & Getting Involved (G)
     Robert A. Farinelli, Stefan Baratto, Jean Woody, Donna Saye

Saturday 2:30 pm - 3:20 pm

S107 Succeed in Mathematics! A Model for Incorporating Math Study Skills (D, SS, IS)
     Alan L. Bass

S108 Creating Your Own Database to Generate Tests (A, DI)
     Susan J. Kennedy, Paul W. Jones II

S109 Motivating and Using e in Precalculus (MI)
     Sheldon Axler

S110 Euler at 301 (H, G, MI)
     George DeRise

S111 Fast Track – Improving Placement/Retention in Developmental Math (D, RB, A)
     William W. Coe, Suzanne Williams, Debra M. Moses, Jane M. Weber

S112 Experiences with Math Across the Curriculum for Elementary Education (TP, C, IS)
     Kathy Rogotzke, Craig Zoellner, Kacy Larson, Nancy Fallis

S113 Adjunct Sharing Time (DI, IS, D)
     Judith A. (Judy) King, Judy Giffin

S114 I Must Have Done Something Interesting Over the Last 35 Years! (IS)
     Ned W. Schillow

Committee Meeting
1:15 pm - 2:05 pm
Teacher Preparation

Saturday 4:30 pm – 6:30 pm

Las Vegas 2009

Proposal for Las Vegas can be submitted at the AMATYC website, www.amatyc.org, beginning November 1, 2008. Mark your calendar now to go to the AMATYC website to submit your proposal for Las Vegas. The deadline for submitting a proposal to speak in Las Vegas is February 1, 2009.
Sunday, November 23

Sunday 8:15 am – 9:05 am

S115 Ideas for Group Projects Related to Probability and Statistics (ST, A)
Stephen Kcenich

S116 In Search of a “Normal” Classroom (TP, ST, TT, IS)
Blanche S. Presley, Don K. Brown

S117 Teaching the Millennial Generation – How Beyond Crossroads Can Help! [encore presentation] (IS)
Martha T. Goshaw

S118 Mysteries and Histories of Pi (H, G, GE)
Janet E. Teeguarden

S119 Three Fractal Pop-up Cards (MI, IS, H)
Virginia Swenson

S120 What? Teach an Online Class? ... Me? (TT, IS)
2007 Project ACCCESS Fellow: John Robert Bakken, Nancy J. Rivers

Sunday 9:25 am – 10:15 am

S121 Writing, Reflection, and Portfolios – An Alternative Assessment (A, TP, GE)
Elizabeth M. Flow-Delwiche

S122 The Washington Senators: A Monumental Team (on Occasion) (ST, GE)
Stephen A. (Steve) Krevisky

S123 Providing Faculty Development that Promotes Best Teaching Practices (IS, DI, TT)
James E. (Jay) Martin

S124 Online Precalculus: What It Takes to be Successful! (TT, IS)
Behnaz Rouhani

S125 A Geometric Inspection of Pennsylvania Dutch Hex Signs (G, C, H)
2007 Project ACCCESS Fellow: Evan Grant Evans, Jr.

S126 Mathematics Learning Center: A Supportive Service for Students (SS, G)
Sandra Bowen Franz

Sunday 10:30 am – 11:15 am

Closing Session
Richelle (Rikki) Blair, AMATYC President
Hilton Washington Hotel/Lincoln East

* Conference wrap-up
* Report on Delegate Assembly actions
* Opportunities to get more involved in AMATYC
* Preview of next year’s conference in Las Vegas
* Adjournment

Washington, DC 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.)

AMATYC Academic Committees

Contact the chair of a committee that interests you for advance information about committee activities at the conference. AMATYC committees are open to all, 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

Division/Department Issues
Anne Dudley, anne.dudley@gcmail.maricopa.edu

Innovative Pedagogy Strategies
Mike Martin, mmartin@jccc.edu

Mathematics for AAS Programs
Jesse Williford, ljwillif@waketech.edu

Mathematics Intensive/College Mathematics
Klement Teixeira, kteixeira@bmcc.cuny.edu

Placement and Assessment
Connie Buller, cbuller@mccneb.edu

Teacher Preparation
Darlene Winnington, dwinning@dtcc.edu
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

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

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♦ Communicate two-year college mathematics perspectives in public, business, and professional sectors.

Adopted April 18, 2004
Instructions for Completing Registration Form

1. One registration form per person
   Form may be duplicated. No phone registrations. You are encouraged to register online at www.amatyc.org.

2. Member versus Non-member Rate
   The non-member rate does not include an AMATYC membership. If you desire to attend the conference and become a member of AMATYC, then select the AMATYC member registration category and select a dues rate. Dues rates are as follows:
   - Active: $80 per year/$155 for 2 years/$225 for 3 years
   - Adjunct: $40 annual dues
   - Retired: $40 annual dues
   - Student: $10 annual dues (full-time student sponsored by AMATYC member)

   If you are unsure of your membership status, look at the mailing label on the back of your miniprogram. You will see a member number and expiration date. If the prefix is “A”, “J”, “R”, “P”, or “S” and has an expiration date of 11/30/08 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 11/30/08, 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 “I”, 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 making a donation to the AMATYC Foundation, either by attending the fascinating Foundation-sponsored Magic Show (see page 6 or 22) and/or by making a separate donation. You can make contributions on the conference registration form. 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 if the guest is an AMATYC member. If your guest is an AMATYC member, then select the appropriate AMATYC member registration category and select a dues rate. Dues rates are as follows:
   - Active: $80 per year/$155 for 2 years/$225 for 3 years
   - Adjunct: $40 annual dues
   - Retired: $40 annual dues
   - Student: $10 annual dues (full-time student sponsored by AMATYC member)

   A guest can be registered at no cost if the guest is a mathematics educator or author. Guest registration does not include attendance at workshops or the special functions – Friday Continental Breakfast and Saturday Awards Breakfast. Special function tickets can be purchased for your guest.

   Your conference registration fee includes one ticket for each special function, unless you register for a single-day only. Purchase a ticket only if you are a single-day registrant or if you would like a ticket for your guest.

7. Deadlines
   To qualify for the discount rate, if submitted via mail, registration form with payment must be postmarked on or before September 30, 2008. If submitted via the web or faxed, the completed registration form must be received on or before October 7, 2008. Registrations that do not meet these deadlines will be processed at the regular rate.

   Do not mail the registration form after October 7, 2008. Do not fax registration form with credit card information or register online after October 14, 2008. 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 November 5, 2008. A 50% refund less a $10 service fee will be given if your written request is postmarked on or after November 6, 2008, and by November 19, 2008. No refunds will be given for requests postmarked on or after November 20, 2008. Requests for return of overpayments must be in writing and received by the AMATYC Office no later than December 15, 2008. All requests should be sent to the AMATYC Office. Refunds for registration fees will be processed four to six weeks after the conference according to the refund policy outlined above.

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

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 November 5, 2008, at 901.333.4643 or by email at 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.

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
34th Annual Conference • Register online at www.amatyc.org

To qualify for the discount rate, registration form with payment must be postmarked, if submitted via mail, on or before September 30, 2008. If submitted via the web or faxed, the completed registration form must be received on or before October 7, 2008.

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 mailing 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 10/7/08)
☐ Non-vegetarian ☐ Vegetarian

Single-Day Registration (Select one box only.)
☐ Thursday ☐ Friday ☐ Weekend (Saturday/Sunday)

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

AMATYC Member
Discount Registration $335 $ ______
Regular Registration* $375 $ ______
Single Day, Discount $130 $ ______
Single Day, Regular $150 $ ______

AMATYC Non-Member
(Registration does not include a one-year membership)
Discount Registration $435 $ ______
Regular Registration* $475 $ ______
Single Day, Discount $155 $ ______
Single Day, Regular $175 $ ______

*postmark after 9/30/08, online or fax after 10/7/08

AMATYC Membership Dues
Active ☐ $80–1 year ☐ $155–2 years ☐ $225–3 years $ ______
Adjunct $ 40 $ ______
Retired $ 40 $ ______
Student (Sponsor:______________) $ 10 $ ______
(Your expiration date will be extended as selected above beyond current expiration date.)

AMATYC Foundation
Magic Show __________tkt. @ $35/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. 21 Continental Breakfast __________guest tkt(s). @ $33/ea. $ ______
Saturday, Nov. 22 Awards Breakfast __________guest tkt(s). @ $33/ea. $ ______
Breakfast: ☐ Non-vegetarian ☐ Vegetarian
(Choices are available until 10/7/08)

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____________ CV Code_________ Number is found on back of the card.
Signature_________________________

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 ______

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(Choices are available until 10/7/08)

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*AMATYC Tax ID #11-2531258*

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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____________ CV Code_________ Number is found on back of the card.
Signature_________________________

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 ______
Make your reservations at the conference hotel:
Hilton Washington Hotel

American Mathematical Association of
Two-Year Colleges (AMATYC)
November 20-23, 2008

Name: ____________________________
Address: ____________________________
City __________________ State _______ Zip ______
Telephone (_________)

College/Company: ____________________________

Names of Persons Sharing Room: ____________________________

Arrival Date: _______ Time: _______ Departure Date: _______

Early Departure Notification: In the event you check out of your guest room prior to the reserved checkout date, the Hilton Washington Hotel will add an early checkout fee (currently $75) to your individual account. If you wish to avoid an early checkout fee, you should advise the Hotel at or before check-in of any change in your planned length of stay.

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

Online: www.hilton.com/en/hi/groups/personalized/DCAWHHH-AMA-20081115/index.jhtml
Phone: 888.324.4586
Give the event name or the code ‘AMA’.
Mail to: Hilton Washington Hotel
1919 Connecticut Ave., NW
Washington, DC 20009

Reservations received after October 29, 2008, or once room block has been filled, will be confirmed on rate and space available basis. Check-out time is 12:00 pm. Check-in time is 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.

Credit Card No. __________________ Exp. Date ____________

Signature ________________________

☐ 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: $169* plus applicable tax $_________
Double: $189* plus applicable tax $_________
Additional Person: $ 20 plus applicable tax $_________
Total $_________

*Room rates are quoted exclusive of applicable state, local, and occupancy taxes that are currently 14.5% (subject to change) or applicable service, or hotel-specific fees in effect at the hotel at the time of the meeting.

Hotel Deposit: All reserved hotel rooms must have a deposit in the amount of the first night’s room and tax by October 29, 2008. All reservations held by credit card will be charged one night’s deposit on October 29, 2008. 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 29, 2008, your deposit will be forfeited.
Getting There

Airport/Hotel Transportation
Washington, DC is served by three airports – Thurgood Marshall Baltimore/Washington International (BWI), 33 miles from the hotel; Ronald Reagan Washington National (DCA), 6 miles from the hotel; and Dulles International (IAD), 27 miles from the hotel. You may also arrive by train at Union Station, 3 miles from the hotel. Amtrak is offering a 10% discount off the lowest available rail fare to Washington, DC for travel between November 17 and 24. To book your reservation call Amtrak at 800.872.7245 or contact your local travel agent. Please refer to Convention Fare Code X26T-940 when making your reservation. Use the following options to complete your journey to the hotel.

1. **SuperShuttle**
   Reserve online at www.supershuttle.com or by calling 800 BLUE VAN (800.258.3826). Fill in the information under “Book a Ride” on the left. Enter the discount code, HP7PT, in the “Group/Discount” box. You will need your airline name, flight number, and time of arrival when you make the reservation. Enter Hilton for your hotel choice and then select Hilton Washington Hotel, 1919 Connecticut Ave. Roundtrip cost from each airport is currently quoted as BWI - $70 minus $6 discount, DCA - $24 minus $2 discount, and IAD - $54 less a $4 discount. These prices are subject to change. If you are traveling with a group, consider one booking to receive the “Additional Guest” rate. This method only receives one discount, however; you can do the math to compare per person cost.

At each airport, follow the signs to Ground Transportation after you claim your bags. If you change your return trip time after arriving at the conference, call 800.258.3826.

2. **Taxi Cab Service**
   At BWI and DCA, taxis are located outside the baggage claim area. At IAD, they are outside the Main Terminal. Cost is approximately $65 from BWI, $19 from DCA, and $55 from IAD. A taxi ride from Union Station is about $12.

3. **Light Rail/Public Bus Service**
   It is possible to reach the hotel through a combination of public bus service and Metro (subway) travel. Busses require exact change ($1.35). Metro stations have fare card machines that take small bills. Metro fares depend on distance and time of day. See www.wmata.com for more information.

Regardless of the airport where you begin, your Metrorail journey will end on the red line at the Dupont Circle Station. Look for the exit to Q Street. You will get off the escalator in the center of the traffic circle. Find the Connecticut Ave. radius leaving the circle, and walk uphill, to the north four blocks to the hotel.

From BWI Ground Transportation, take Washington Metropolitan Area Transit Authority (WMATA) bus B30 to the Greenbelt Metro Station. Take the green line toward Branch Ave.; at the Fort Totten Station, transfer to the red line toward Shady Grove. Exit at Dupont Circle and follow the above directions. Cost is less than $10.

At DCA, the Metro station is opposite the Main Terminal; there is a courtesy shuttle van from Terminal A. Take the yellow line toward Fort Totten. At Gallery Place Station, transfer to the red line toward Shady Grove. Exit at Dupont Circle and follow the above directions. Cost is less than $6.

From IAD use the Washington Flyer Coach bus at Door 4 on the Arrivals level to the West Falls Church Metro Station. Take the orange line toward New Carrollton. At metro Center station change to the red line toward Shady Grove. Exit at Dupont Circle and follow the above directions. Cost is less than $15. Or from the bus stop at Curb 2E you may take WMATA bus 5A towards L’Enfant Plaza Metro Station. Exit the bus at the Rosslyn Metro Station for the orange line towards New Carrollton. At the Metro Center Station change to the red line towards Shady Grove. Exit at Dupont Circle and follow the above directions. Cost is less than $5.

At Union Station, look for the Metro entrance marked with a capital “M.” Take the red line toward Shady Grove. Exit at Dupont Circle and follow the above directions. Cost is less than $5.

4. **Driving Directions**
   If driving to Washington, DC and the conference, directions to the hotel once you reach the metropolitan area can be found at http://www1.hilton.com/en_US/hi/hotel/DCAWHHH-Hilton-Washington-District-of-Columbia/directions.do#directions. Guest parking is currently $23 per day.

Getting Around Washington, DC
The Hilton Washington Hotel is located four blocks from Dupont Circle, with neighborhood stores and restaurants within walking distance. Maps and lists of stores will be provided in the Professional Networking/Hospitality Room. All attractions of the city can be reached by bus or Metro. The Dupont Circle Metro stop is a four block downhill walk south on Connecticut Ave. The website of the Washington Metropolitan Area Transit Authority (www.wmata.com) has a Trip Planner to show you which bus or Metrorail line you should use to reach any destination. Bus fare is needed in cash ($1.35*) and Metro stations have fare card machines that take small bills.

*all prices quoted are subject to change

Conference Housing
The 34th Annual AMATYC Conference kicks off on Thursday, November 20, at the headquarters hotel, the Hilton Washington Hotel, located at 1919 Connecticut Avenue, NW in Washington, DC.

A block of guest rooms at reduced rates has been reserved at the Hilton Washington until October 29, 2008, or until AMATYC’s room block is sold out, whichever comes first. Any unreserved rooms in the block will be released for sale to the general public after this date. So make your reservation early. Be sure to mention that you are attending the AMATYC Conference when making your reservation to receive the conference rate for your guest room. Reservations can be made by calling the hotel at 888.324.4586 or online at the website listed on the hotel form on page 17.
All hotel rooms must have a deposit guarantee in the amount of the first night's room and tax by October 29, 2008. All reservations held by credit card will be charged one night's deposit on October 29, 2008. **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 29, 2008, your deposit will be forfeited. If you find you must cancel your reservation, please make the cancellation at the earliest possible date to avoid losing your deposit.

In the event you check out of your guest room prior to the reserved checkout date, the hotel will add an early checkout fee (currently $75) to your individual account. If you wish to avoid an early checkout fee, you should advise the hotel at or before check-in of any change in your planned length of stay.

**Roommate Service**

Those wishing to share a room with one, two, or three other conference attendees should complete the Roommate Network form that can be found on the AMATYC website, www.amatyc.org, and by clicking on “Washington, DC – A Monumental Place for Mathematics” no later than October 10, 2008. You should be notified, within two business days, that your request has been received. If you do not receive such an email acknowledgement, please contact Linda Kodama at LKodama@hawaii.edu.

The process will involve putting you in touch with anyone else wishing to share a room. It will be up to you to finalize the arrangement and send an acknowledgement to Linda. **Note:** The roommate service does not make hotel reservations so it would be very helpful if you already have one, even if one of the roommates may have to process a cancellation!

**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 (personal items may not be used to “reserve” seats and persons may not “reserve” seats for late arrivals), the workshop will be considered closed and no one else may enter.

**Note:** To qualify for the discount registration rates of $335 member and $435 non-member, **registration forms must be postmarked, if submitted via mail, on or before September 30, 2008. If submitted via the web or fax, the completed registration form must be received on or before October 7, 2008.**

After this date, the regular registration fee is $375 member and $475 non-member. **Do not mail the registration form after October 7, 2008. Do not fax** registration form with credit card information or register online after October 14, 2008. **After these dates, registration will be available on-site only.**

On-site registration will be available at the regular rate ($375 member and $475 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.

**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 are invited to attend any fifty-minute session or two-hour workshop 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 November 5, 2008. A 50% refund less a $10 service fee will be given if written request is postmarked on or after November 6, 2008, and by November 19, 2008. No refunds for non-attendance will be given for requests postmarked on November 20, 2008, or later. Requests for return of overpayments must be in writing and received by the AMATYC Office no later than December 15, 2008. All requests should be sent to the AMATYC Office. Refunds for registration fees will be processed approximately four to six weeks after the conference as per the refund policy. This refund policy is also applicable to registrants for a single-day registration.

**Workshops**

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

AMATYC continues to offer workshops at no additional fee to persons who register as conference participants. Entrance to a workshop will be monitored by the presider on a first-come, first-served basis. Your official AMATYC conference name badge is required to gain admittance. Once all seats are filled, the workshop will be considered closed and no one else may enter. **Personal items may not be used to “reserve” seats and persons may not “reserve” seats for late arrivals. AMATYC makes no guarantee that any conference registrant will be admitted into a workshop.**

**Guests**

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

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

**General Policy**

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

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

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

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

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

Many hotels provide recommendations for in-room child care for guests. Call the hotel as early as possible for services. 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 November 5, 2008, at 901.333.4643 or email at 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**

**Making Connections: Family & Friends Session**

- 8:15 am, Thursday, November 20 in the Cabinet Room

If you are bringing guests to the conference, this session is for them to learn what’s happening outside the hotel. Encourage them to attend this session to hear from AMATYC spouses and other family members what they like to do in the city.

**Fuzzy Slippers & PJs Welcome**

- 7:00 to 10:00 pm, Thursday, November 20 in the Edison Room

Drop in for conversation, games, and snacks! Bring your favorite CD to play. Dress comfortably. Your guests are welcome.

**Meet Elizabeth Teles**

- 10:30 to noon, Friday, November 21 in the Edison Room

Meet with Elizabeth Teles, NSF liaison to two-year colleges, for an informal discussion about grant opportunities and other support for undergraduate education.

**Math in the Movies**

- 7:00 to 10:00 pm, Friday, November 21 in the Edison Room

Like movies with math in the plot or storyline? Join us for an evening of light entertainment. Guests are welcome.
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.

Academic Committee Meetings

Participation in AMATYC academic committees provides members with opportunities to learn more about an area of interest and share expertise with others. Academic committees develop position statements, work on projects, and serve in an advisory role to the AMATYC Executive Board and the Delegate Assembly. Each committee meets at least once during the annual conference. Committee meetings are open to all interested individuals and provide opportunities to become more involved in AMATYC. Check the program listing for the scheduled times of the seven academic committee meetings: Developmental Mathematics, Division and Department Issues, Innovative Pedagogy Strategies, Mathematics for AAS Programs, Mathematics Intensive/College Mathematics, Placement and Assessment, and Teacher Preparation.

Themed Sessions

There are four themed sessions Thursday morning. All four begin at 8:30 am and feature 15-minute presentations with a 5-minute break between presentations. “Elections and Balloting” will focus on ways to explore elections and balloting in a statistics class. Is there a correct way to count votes? How do pollsters use the margin of error to draw inferences and project winners? These and other questions will be answered in this themed session. “Applications in Action” features a best classroom activity from each of seven experienced technical mathematics instructors. Copies of materials or links to the necessary websites will be provided. “Math on the Web: Tools, Techniques, and Observations” presents nine talks on the teaching and learning of mathematics through web resources and approaches. Presentations include trends and techniques in distance education as well as tools and technologies to facilitate success. Resources will be shared. “Mathematics Placement and Assessment and Beyond Crossroads” explores strategies in mathematics placement and assessment that are aligned with recommendations found in AMATYC’s Beyond Crossroads.

AMATYC 101, 201, and 299

Take advantage of three 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, Mike Hardie (West Regional VP) and Ruth Collins (Mid-Atlantic Regional VP) will host “AMATYC 101 – Enhancing Your First Conference Experience.” If you are new to AMATYC or attending your first conference, join Mike and Ruth to learn how to maximize your conference experience. Meet other first time attendees to the conference, enjoy some spirited games, perhaps win a prize, and get all of your AMATYC questions answered. They look forward to meeting you there.

On Friday at 1:00 pm catch “AMATYC 201 – Professional Opportunities Through AMATYC” presented by Jane Tanner (Northeast Regional VP) and Peter Wildman (Central Regional VP). Learn about the work of AMATYC’s committees, discuss professional development opportunities, and find out how to get more involved in AMATYC.

Started at our conference in Cincinnati but missed in Minneapolis we now bring back “AMATYC 299 – Leadership and Getting Involved,” part three of the series on Saturday at 1:15 pm. Learn about your own leadership styles and what your opportunities are for becoming a leader in AMATYC.

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

MAC3 Sharing Session

This session on Friday at 2:15 pm will feature past-participants of the MAC3 project giving short presentations about the projects they developed while attending a MAC3 Institute. The presenters will share what went well, what did not go as planned, and the best practices in creating and implementing interdisciplinary curricula.

Poster Session

What new projects related to mathematics education are your colleagues involved in around the country? Visit this poster session Thursday afternoon and see active funded projects in curriculum development, teacher preparation, technology and more. Principal Investigators funded by any sources – local college, foundations, or national government funding agencies – will showcase their projects that have an impact on mathematics in the two-year college. You will find many ideas to enhance your students’ experiences.

Affiliate Sharing Session

Affiliate leaders and members are invited to attend the Affiliate Sharing Session on Thursday, November 20 at 9:30 am hosted by Bernadette Sandruck (Atlantic Regional VP) and Ruth Collins (Midwest Regional VP) will host “AMATYC 101 – Enhancing Your First Conference Experience.” If you are new to AMATYC or attending your first conference, join Mike and Ruth to learn how to maximize your conference experience. Meet other first time attendees to the conference, enjoy some spirited games, perhaps win a prize, and get all of your AMATYC questions answered. They look forward to meeting you there.

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2008 Department/Division Chairs’ Colloquium

The Department/Division Chairs’ Colloquium will be held on Thursday from 12:30 pm to 2:30 pm. This colloquium provides an opportunity to dialogue with other department leaders in an informal, but structured setting. Learn what other mathematics departments are doing, what challenges they are facing, and how they are addressing the implementation of Beyond Crossroads. Get ideas that you can implement at your campus and share your experiences.

Exhibits Grand Opening and Dedicated Exhibit Times

The always exciting Grand Opening of the exhibit area will take place in the Hilton Washington Hotel on Thursday afternoon, November 20 at 4:45 pm. Explore the latest textbooks, videos, calculators, software, distance learning courseware, and much more. Meet the exhibitors while finding answers to questions about their new products in order to enter drawings for prizes.
Substantive changes to the Bylaws will be highlighted and discussed by a panel consisting of the committee members.

The MAA Welcomes AMATYC to Washington
Join your colleagues on Friday, November 21, 2008, between 4:00 and 6:00 pm for a reception and tour of the MAA Headquarters and Carriage House meeting center. The MAA is located at 1529 18th Street NW – a short walk from your conference hotel.

Magic Show—”Conjuring in the Capital”
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 21, 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.

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 monthly average high temperature in Washington, DC is 55 degrees Fahrenheit and the low is 37. A coat will be needed. However, for walking and sight seeing a light coat may be more comfortable. Rain is always a possibility, so be prepared.

See the Sights
Check our link http://clab.cecil.edu/amatyC/ or click on Local Arrangements from the AMATYC conference page for information on museums, monuments, theaters, and other attractions.

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. Members of the Local Events Committee recommend the Tourmobile (www.tourmobile.com) for its free re-boarding feature to let you browse at your own pace. The company also offers a twilight tour to see the city lights as evening descends.

Local Theaters
A free performance is held every day on the Millennium Stage at 6:00 pm. The National Symphony Orchestra is scheduled to perform November 20-23 at the Kennedy Center.

The Capitol Steps perform their unique satire of political life every Friday and Saturday night at 7:30 pm. As more venues post Fall calendars, we will update the Local Arrangements website, http://clab.cecil.edu/amatyC/, to include sporting events and concerts at the Verizon Center.

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 resumes if you are seeking a job.
AMATYC Job Fair

New at the conference for AMATYC conference registrants who are potential employers and AMATYC conference registrants who are potential employees is a better opportunity to meet and be met. Wouldn’t it be great if those looking for new faculty and those looking for a position had a better opportunity to meet and talk? AMATYC has set aside the Dupont room on Friday afternoon from 1:00 pm to 3:30 pm for you to get together.

Job Offerers: If your school is a current Institutional Member as of August 31, 2008, and you have position(s) available, you’ve probably already posted your announcements on the job board. Bring job announcements and college applications and any other items your HR department requires to the Dupont room on Friday afternoon along with an 8½ x 5½ inch sign with your college name and get ready to talk informally with any interested parties. We will provide a comfortable informal setting to meet prospective employees and get the ball rolling for your school.

Job Seekers: Bring copies of your CVs and come to the Dupont room on Friday afternoon to talk informally with potential employers.

This meeting will provide a time to “put the faces with the names” and provide each other with immediate information as you each continue the job looking/filling process.

Contact Kari Arnoldsen at kari.arnoldsen@snow.edu to let her know you are planning to participate in one role or the other and to ask questions and get more information on how to use the time effectively and move along your job searchingfinding processes.

Internet/Email/Communications

The Farragut Room in the Hilton Washington Hotel will be equipped with computers with Internet access so that you can check your email. Entrance to this room will be through the Professional Networking/Hospitality Room next door in the Edison 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.

Internet Room Hours
Wednesday 4:00 pm - 10:00 pm
Thursday 8:00 am - 2:30 pm
and 7:00 pm - 10:00 pm
Friday 10:30 am - 4:00 pm
and 7:00 pm - 10:00 pm
Saturday 10:45 am - 4:00 pm

Professional Networking/Hospitality Room

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

You can sign up to join others for dinner or to spend the evening at one of the city’s many attractions. Connected to the Professional Networking/Hospitality Room is the room with computers to check your email.

Professional Networking/Hospitality Room Hours
Wednesday 4:00 pm - 10:00 pm
Thursday 8:00 am - 2:30 pm
and 7:00 pm - 10:00 pm
Friday 10:30 am - 4:00 pm
and 7:00 pm - 10:00 pm
Saturday 10:45 am - 4:00 pm
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. Entrance to a workshop will be monitored by the presider on a first-come, first-served basis. Your official AMATYC conference name badge is required to gain admittance. Once all seats are filled, the workshop will be considered closed and no one else may enter. Personal items may not be used to “reserve” seats and persons may not “reserve” seats for late arrivals. AMATYC makes no guarantee that any conference registrant will be admitted into a workshop.

W1 Make It Real! Classroom Activities that energize students (IS, MI)
Thursday 9:30–11:30 Frank C. Wilson
Too often students fail to see the connection between mathematics and their personal lives. By using dynamic classroom activities based on real-world data sets, students learn more, retain more, and are better motivated to do mathematics. Participants attending this workshop will receive a free workbook of classroom activities.

W2 Take a Chance on Math: Probability for Preservice Elementary Teachers (TP, ST)
Thursday 9:30–11:30 Andy D. Jones
Students sometimes have wrong intuitions about probability. Instructors must understand these intuitions are powerful constructs and may undermine teaching and learning regardless of the clarity and logic of classroom instruction. This hands-on workshop will explore probabilistic reasoning using various classroom activities, approaches (theoretical, experimental, geometric), and concrete models.

W3 Rate, Ratio, and Average Rate of Change: What Does It All Mean? (IS, RB)
Thursday 12:30–2:30 Scott L. Adamson
Average rate of change is often presented computationally. Students do not know what the computation means and confuse this computation with the arithmetic mean. This workshop will explore research involving these issues and will present ways to help students make sense of the ideas rates, ratios, and rate of change.

W4 California Basic Skills Initiative: What’s It All About? (D, SS, C, RB)
Thursday 12:30–2:30 Barbara S. Illowsky, Wade Ellis, Jr.
The California Basic Skills Initiative is a statewide project to improve student success in developmental courses. It produced the country’s largest research-based literature review of effective practices in basic skills education. Learn the multi-year activities of the BSI and how the findings can improve teaching and learning at your college.

W5 Fun & Exciting Activities for Algebra
Thursday 12:30–2:30 Sally D. Sestini, Mary E. Clarke
This interactive, hands-on workshop will introduce activities that can be used to engage elementary and intermediate algebra students. Under a Title V grant, Cerritos College faculty are using these activities to improve success rates. Handouts will be provided.

W6 An Intelligent Partnership of Mathematics, Technology, & Manipulatives
Thursday 12:30–2:30 Darlene Whitkanack
The preparation of teachers must focus on so many things that often something gets slighted or there is no coherence among the components. Both technology and manipulatives are critical in engaging students and emphasizing deep mathematical comprehension. This workshop will explore whole numbers, fractions, and algebra topics.

W7 An Introduction to Graphing Equations and User Controls in Excel 2007 (TT)
Thursday 12:30–2:30 Paul Seeburger
Learn to use Excel 2007 to graph functions, modify charts, record macros, and create dynamic mathematical explorations using buttons, drop-down menus, scrollbars, etc. Some familiarity with Excel is recommended. Includes a small amount of simple Visual Basic programming. A step-by-step handout will be provided.

W8 Monumental Mathematics Activities
Friday 10:30–12:30 Beverly A. Meyers
Participants will gather data through hands-on activities to produce graphs (on graphic calculators) and find regression equations (linear through exponential) that fit the data sets. National monuments will be used for applications of the functions derived through the activity. Activities are appropriate from Beginning through College Algebra.

W9 A Preview of AMATYC’s Traveling Workshops (IS, G)
Friday 10:30–12:30 Pat Averbeck, Patrick DeFazio
Preview four AMATYC Traveling Workshops and learn how to arrange for a workshop on your campus or at your affiliate meeting. Sample the content available then get tips from experienced faculty regarding how to best make use of their resource.

W10 Dinosaurs! House Building! Hot Air Balloons! (IS, C, GE)
Friday 10:30–12:30 Laura Moore-Mueller, Robin Washam, Deann Anguiano, Russ Ballard
Groups will learn fun applications ranging from elementary algebra to precalculus topics. The projects are “ready to go” complete with assessment rubrics. Key mathematical concepts include 2D and 3D measurement, logical reasoning, modeling and quadratics. These activities were developed collaboratively with high school and college math faculty.

W11 Learning-style Activities for Introductory Mathematics Courses (IS, D, GE, TP)
Friday 10:30–12:30 Bruce Wahl
Students taking introductory math courses like arithmetic, algebra, and liberal arts mathematics often learn best when the professor incorporates alternative activities into the lecture. In this workshop, participants will experience some games and projects that are easy to prepare and quick to use in class.

W12 Cultural Contexts for Two-Year College Mathematics (C, GE, TP)
Friday 10:30–12:30 Barbara Steinhurst
Participants will hear about and experience several projects and activities that use cultural phenomena to explore mathematics. Material can be applied across the curriculum, but is especially suited for survey courses, liberal arts math, and math for teachers.
W15 Everybody Counts - but Is Everyone Counted? The Math of Voting (GE, G)
Friday 2:15-4:15  Don St. Jean

Many do not understand how a newly-elected leader can have received a smaller proportion of the popular vote than a competitor. Fewer still know how the winners of the Oscars or the Heisman trophy are chosen. This workshop covers the workings, strengths and shortcomings of different voting systems.

W16 Practicing What We Preach: Effective Cooperative Learning Practices (IS)
Friday 2:15-4:15  Karen Wells, Annette L. Leopard

The presenters will make the case for using cooperative learning techniques. A number of classroom-tested techniques will be demonstrated. Sample activities for a variety of mathematics courses will be explored. Participants will receive a packet of classroom activities.

W17 Biocalculus Computer Laboratory Projects
Friday 2:15-4:15  Timothy D. Comar

This is a hands-on introduction to biologically oriented computer laboratory projects. These projects help students develop mathematical and computational skills needed to pursue quantitative biological problems. These projects are appropriate in calculus, biocalculus, or precalculus courses.

W18 Toward Quantitative Literacy: Interesting Problems in Finance (GE, TT)
Saturday 10:45-12:45  James A. (Jim) Ham

Research has shown that Americans are not very savvy when it comes to money matters. Ideally, financial literacy should be integrated across the curriculum. This workshop will introduce problems in finance that all students should experience. Participants will use the finance functions on calculators to assist in the computation.

W19 Engaging Statistics Students Through Hands-on Experiences (ST, IS)
Saturday 10:45-12:45  Roxy Peck

This workshop will focus on using hands-on activities, projects and other creative assignments to foster student engagement in the learning process. Suggestions for how these types of learning experiences can be integrated into the introductory statistics course and for how they can be used for assessment will be provided.

W20 Projects Across the Curriculum (GE, IS, TP)
Saturday 10:45-12:45  Christina Dwyer, Nancy R. Johnson, Joni Burnette Pirnot, Julie Francavilla

Projects and class activities from developmental through college-level (both precalculus and liberal arts) mathematics courses will be demonstrated. The types of projects will vary from skill building to information literacy assignments. Participants will work in small groups and will receive worksheets and handouts to take home.

W21 The Log of Logs Portfolio for Mathematics
Saturday Students (IS, A)
10:45-12:45  Robert N. Baker

This portfolio design meets the special needs of mathematics students. As an assessment device for a course grade, it provides an “artifact” reflecting both process and product, while modeling mathematical skills essential in business, the trades, and college. Examine student work, and then the design, in a discussion setting.

W22 Minute Motivators (IS, G, SS, TP)
Saturday 1:15-3:15  Leslie A. Smith

Communication in any math class starts first with building rapport. Using a plethora of quick motivational activities, participants will experience engaging discussions, thought-provoking self-awareness, and a renewed enthusiasm for teaching. Unleash a passion for learning in your students with these simple but effective minute motivators. Handouts will be provided.

W23 Cutting the Cheese, Fantasy Divorce and Romulans in the Neutral Zone (GE, C, IS)
Saturday 1:15-3:15  Christopher D. Oehrlein

Come and experience how the presenter incorporates active demonstrations and the use of manipulatives along with characters from science fiction and fantasy stories in a unit on Fair Division in his Liberal Arts Mathematics course.

W24 Making It Real: Contextual Teaching and Learning in the Classroom (IS, C, TP)
Saturday 1:15-3:15  Sydia Gayle-Fenner, Daniel M. Breuer, Ken Hurley, Chris Gardner, Phyllis Bailey

Bring math to life! Be more hands-on. Initiate self-directed learning. Promote a cooperative learning environment. Reduce student anxiety. Enhance transfer of knowledge. Accomplish it all through one pedagogy: Contextual Teaching and Learning (CTL). Experience CTL and discover its background, purpose and appeal. Make it real!

Washington, DC 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.)
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.

Maplesoft

C4 Clickable Calculus: Syntax-Free Maple in the College Math Curriculum
Thursday 12:30-2:00 Robert Lopez
By solving a spectrum of standard (and not-so-standard) problems drawn from precalculus, calculus of one and several variables, linear algebra, differential equations, and vector calculus, this session will demonstrate the potential of "Clickable Calculus" to enrich the mathematical experience. Overall, teaching and learning become more efficient and effective.

Hawkes Learning Systems

C10 and C13 Improving Student Performance with Mastery-based Software
Friday 12:30-2:00 Emily Omlor
2:30-4:00
Discover the benefits of using interactive software in teaching and learning mathematics. Hawkes Learning Systems promotes grade improvement and motivates students by engaging them in the learning process. Students learn more efficiently and effectively through tutorials, unlimited practice, mastery-based homework, and error-specific feedback. HLS is the solution for student success!

McGraw-Hill

C1 Using Online Homework Effectively for Better Retention
Thursday 10:00-11:30
This instructor-led discussion will focus on using online homework to guide struggling students to success in mathematics. Effective implementation methods of McGraw-Hill’s Math Zone, which offers a built-in diagnostic assessment tool with artificial intelligence, will be demonstrated.

C5 Improving Student Success with ALEKS Redesign
Friday 10:30-Noon
Join a panel discussion on how to improve student success rates through a variety of approaches involving an online diagnostic assessment tool. Members of the panel will focus on how they’ve successfully redesigned their courses using the ALEKS program to achieve accurate student placement and increased retention rates.

Pearson Education

C9 MyMathLab Training for Experienced Users
Friday 12:30-2:00
Sandee House, Diane Gray
In this session, educators who have been teaching with MyMathLab for at least one year, will learn how to use advanced MyMathLab features; managing multiple sections using coordinator and member courses, using the MathXL exercise builder to create custom exercises, customization of the learning environment, and utilizing communication tools.

C12 Creating Custom Exercises in MyMathLab and MathXL
Friday 2:30-4:00
Sandee House, Diane Gray
In this session, educators who have been teaching with MyMathLab or MathXL for at least one year will learn how to use the exercise builder to create algorithmically generated skills exercises, open-ended exercises that assess students’ conceptual understanding, and exercises which require students to show their work.

C14 MyMathTest Strategies for Implementation
Saturday 10:45-12:15
Sandee House, Diane Gray
In this session, educators will learn how to use MyMathTest to create short refresher programs to help students quickly come up to speed with their mathematical skills, or design secondary placement programs to assess students’ mathematical skills and accurately place them in the appropriate math course.

C16 MyMathLab Strategies for Teaching
Saturday 1:00-2:30
Sandee House, Diane Gray
In this session, 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

C7 To CAS or NOT to CAS...
Friday 10:30-Noon
Steve West
This session will provide hands-on training on a TI-Nspire CAS. The major focus of this session will be on the pedagogical implications of using a CAS system to enhance the teaching and learning of algebra, precalculus and calculus.

John Wiley & Sons, Inc.

C8 Maximizing Student Success in Mathematics with WileyPLUS
Friday 12:30-2:00
Catherine Cutcher, Brad Franklin
Catherine Cutcher, professor of Mathematics at Regent University and Wiley Faculty Network Mentor, will present and discuss the use of WileyPLUS in her online and campus-based math courses - discussing both her and her students’ experience and learning outcomes.
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On-site Conference Registration ✦ Concourse

Wednesday, November 19 ............................... 4:00 pm - 8:00 pm
Thursday, November 20 ............................... 7:00 am - 7:30 pm
Friday, November 21 ...................................... 7:00 am - 5:00 pm
Saturday, November 22 ............................... 7:00 am - 8:00 am
Saturday, November 22 ............................... 10:00 am - Noon

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