

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 - 9:45 am

Themed Session

- T1** **Elections and Balloting**
 - T1A** **Using Political Polling to Explain Sampling Distributions (ST)**
Annette F. Gourgey
 - T1B** **Elections and Balloting: "That's Not Fair!" (G, ST)**
Candice H. Dance
 - T1C** **Election Year Mathematics or the Correct Way to Count the Votes (ST)**
Steven Hundert
 - T1D** **Misconceptions in Statistics that Lead to Wrong Polling Results (ST)**
Avraham Goldstein

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)**
2005 Project ACCESS Fellow:
John K. Knudson
 - T2E** **Basics Statistics and Regression Applied to Real Life (ST)**
Teri R. 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, DI, TT)**
Patty Amick
- T3D Putting the Learning in Distance Learning (IS, TT)**
2007 TE Award Recipient: Mary Beth Orrange
- 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

- T4I Promoting Classroom Assessment - for Everyone's Benefit (A)**
Robert L. Kimball, Jr.

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)**
Marie 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
- S20 "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

Committee Meeting

10:45 am - 11:35 am
Developmental Mathematics

Thursday 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

Committee Meeting

12:30 pm - 1:20 pm
Mathematics for AAS Programs

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.**

