

# American Mathematical Association of Two-Year Colleges

38<sup>th</sup> Annual Conference ✨ Jacksonville, Florida

## Hyatt Regency Jacksonville Riverfront

225 East Coastline Drive  
Jacksonville, FL 32202

Reservations: 888.421.1442  
\*mention AMATYC conference\*

Reservations Website:  
<https://resweb.passkey.com/go/AMATYC>

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### Keynote and Breakfast Speakers

**Diane Maldonado**  
Point Park University

**Keith Devlin**  
Stanford University

### Featured Speakers

**Lucy MacDonald**  
Florida State College at Jacksonville

**Steve Piscitelli**  
Florida State College at Jacksonville

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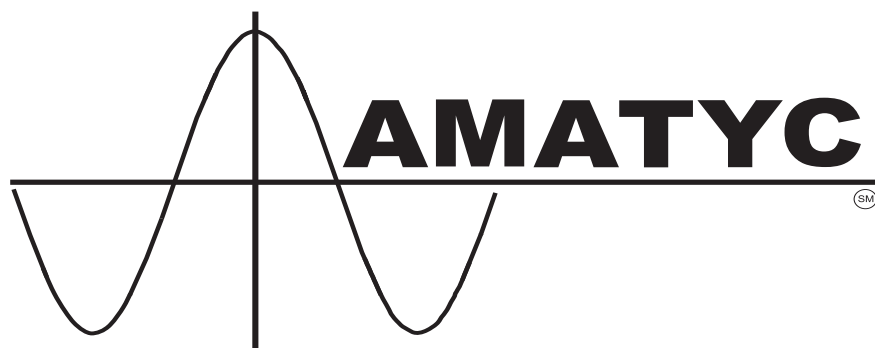
**Opening Doors  
Through Mathematics**



November 8-11, 2012

Hosted by FTYCMA and the Southeast Region

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



## Vision Statement

**Opening Doors Through Mathematics**

## Core Values

These are the Core Values that guide AMATYC's internal and external interactions with each other and our community (in alphabetical order):

**Academic Excellence, Access, Collegiality, Innovation, Integrity,  
Professional Development, Teaching Excellence**

## Mission Statement

The American Mathematical Association of Two-Year Colleges (AMATYC) mission is to promote and increase awareness of the role of two-year colleges in mathematics education, and to:

- ◆ Ensure the preparation of mathematically and technologically literate citizens who are capable of making informed decisions, who have skills needed by business and industry, and who will continue to grow in their quantitative literacy;
- ◆ Lead the development and implementation of curricular, pedagogical, technological, and assessment standards for two-year college mathematics education;
- ◆ Offer multiple opportunities for the preparation and continuing professional development of a competent and diverse mathematics faculty skilled in a variety of teaching modalities addressing different learning styles;
- ◆ Provide a forum that facilitates professional networking, communication, policy determination, and action among individuals, affiliates, and other professional organizations; and
- ◆ Communicate the perspectives of two-year college mathematics education to public, business, and professional sectors.

Adopted by the Board on April 12, 2010

# American Mathematical Association of Two-Year Colleges

## 38<sup>th</sup> Annual Conference ✧ Jacksonville, FL

**KEYNOTE**

**SPEAKERS**



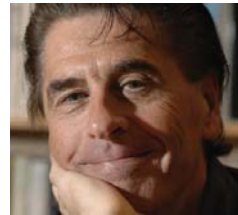
### **Thursday Opening Session**

**Diane Maldonado**  
*Navigating the Waters  
of Assessment*

Thursday, November 8, 3:00 pm  
Grand Ballroom, Salons 4 & 5 (2<sup>nd</sup> floor)

Diane Maldonado helps us open the 38<sup>th</sup> annual meeting with the latest information about assessment. Student learning assessment has been the focal point of higher education regional accreditation and accountability initiatives for nearly two decades. Have most higher education institutions embraced a meaningful culture of assessment to help define their mission while using assessment results to improve student learning? Trends in regional accreditation as well as research related to progress and pitfalls in assessment of learning will be shared. Future paths for assessing student learning outcomes will be discussed in order to illustrate their educational value and quality to stakeholders.

Maldonado serves as the Associate Vice President of Academic and Student Affairs at Point Park University in Pittsburgh, PA, where she leads the university's efforts in curriculum development, assessment of student learning, faculty professional development, and compliance and accreditation. She is a Middle States Commission of Higher Education Institutional Evaluator and has delivered numerous workshops on assessment of student learning. She earned a Bachelor of Arts degree in English from Allegheny College, Meadville, PA, and a Master of Arts and Ph.D. from Duquesne University, Pittsburgh, PA. From 1990 - 2008 Maldonado served as a Professor of English, Assessment of Student Learning Coordinator, and Academic Dean at the Community College of Allegheny County.



### **Saturday Awards Breakfast Session**

**Keith Devlin**  
*The Missing Link: A Tale  
of Literary Forensics*

Saturday, November 10  
Breakfast Served: 7:45-8:00 am (**Ticket Required**)  
Program: 8:30-10:00 am  
Grand Ballroom, Salons 4 & 5 (2<sup>nd</sup> floor)

Keith Devlin shares new details about a familiar name in mathematical history. The first personal computing revolution took place not in Silicon Valley in the 1980s but in Pisa in the 13<sup>th</sup> Century. The medieval counterpart to Steve Jobs was a young Italian called Leonardo, better known today by the nickname Fibonacci. Thanks to a recently discovered manuscript in a library in Florence, the story of how this little known genius came to launch the modern commercial world can now be told.

Keith Devlin is co-founder and Executive Director of Stanford University's H-STAR institute which focuses on people and technology, co-founder of the Stanford Media X research network, and a Senior Researcher at the Center for the Study of Language and Information (CSLI). He is a World Economic Forum Fellow and a Fellow of the American Association for the Advancement of Science. He has written 31 books and over 80 published research articles. In 2003, he was recognized by the California State Assembly for his "innovative work and longtime service in the field of mathematics and its relation to logic and linguistics." He has also received the Pythagoras Prize, the Peano Prize, the Carl Sagan Award, and the Joint Policy Board for Mathematics Communication Award. Devlin is a regular visitor to Weekend Edition where, as "the Math Guy," he discusses mathematical topics, both popular and theoretical, on National Public Radio.

# FEATURED SPEAKERS AND SYMPOSIUM

## Lucy MacDonald

### *Drowning in the Math Textbook*

Saturday, November 10, Noon



Do you expect your students to read the textbook? If they do not read the book, then what do you do? This session will introduce TRG, a Textbook Reading Guide that provides a process for reading as well as doing. Handout examples apply to Elementary Algebra, but are applicable to any math level or textbook.

Lucy MacDonald is faculty emerita from Chemeketa CC in Salem, OR.

Because she missed her students, she came back to teach online at Florida State College at Jacksonville. Her two master's degrees are in English from University of Kansas and in reading from University of Oregon, but her passion is student success. She has frequently provided instruction on student success techniques in vocational technical classes, such as electronics and drafting. She taught nursing success strategies for over 15 years. The handouts for this presentation were developed while co-teaching writing, elementary algebra, and college success skills with a mathematics instructor. She is a Fellow of Council of Learning Assistance and Developmental Education Associations and she continues to provide faculty development at the Technology Institute for Developmental Educators (TIDE), at Texas State University, San Marcos.

## Gary Rockswold

### *Why Students Need Modeling*

Thursday, November 8, 12:30 pm



As instructors, we not only want our students to learn skills, but we also want them to understand how to use mathematics. In the first plenary session of the symposium on Modeling and Applications, Rockswold explains through real-life examples how modeling helps students increase both their skills and their ability

to apply mathematics to the world around them.

Gary Rockswold has taught mathematics, computer science, and physical science at a variety of levels for over 30 years. He received his bachelor's degree from St. Olaf College and his Ph.D. in applied mathematics from Iowa State University. He has been a principal investigator at the Minnesota Supercomputer Institute and is an emeritus professor of mathematics at Minnesota State University, Mankato.

## Steve Piscitelli

### *Leading with Inspiration: Five Choices for Life Success*

Friday, November 9, 10:10 am



We can all use a refresher on fighting procrastination, prioritizing, taking initiative, and leading a balanced life. This interactive, energetic session, enhanced with music and video, will demonstrate how five choices place the power for remarkable action and change in your hands—and in the hands of the students you lead. Leave with a five-point plan for not only student success but life success!

Steve Piscitelli has been a teacher for 30 years, a professional development facilitator for more than a decade and a student success author since the mid-1990s. Currently, he is an award-winning tenured professor at Florida State College at Jacksonville. In addition to numerous books about student success, he has also written and recorded two music CDs. His nationally-known workshops combine interaction, practicality, music, and humor to connect participants with practical strategies. More information is available at [www.stevepiscitelli.com](http://www.stevepiscitelli.com).

## Sheldon Gordon

### *Mathematical Modeling: The Right Courses for the Right Reasons*

Thursday, November 8, 1:40 pm



In the second plenary session, Gordon will share web resources for collecting real data that can be used for writing application problems for algebra and statistics. Instructions for using Microsoft Excel to create charts, graphs, and trend lines will also be shared. Participants may have the opportunity to write their own application problems.

Sheldon Gordon is SUNY Distinguished Professor at Farmingdale State College. In addition to writing numerous books and articles, he has been heavily involved in national efforts to improve the teaching and learning of mathematics at all levels of the curriculum.



Join Gary and Sheldon on Friday, November 9, 9:00 am, for the hands-on symposium workshop on Modeling and Applications.





# 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 below for this year's featured categories and codes.

## Thursday 7:50 am - 8:40 am

- S001 Resources for Writing Application Problems and Using Spreadsheets (RB, TT, ST)**  
Andrea Hendricks, Oiyin Pauline Chow
- S002 Using Large Real-life Data Sets to Promote Statistical Understanding (ST, TT, IS)**  
Barry Monk, Don Brown
- S003 College Algebra Redesign and the AMATYC Crossroads Standards (CR, IS, RB)**  
Laura Younts
- S004 Supporting the Development of Persistence, One Class at a Time (SS, RB, DI)**  
Laura Bracken
- S005 Gauging the Effectiveness of Developmental Mathematics (D, A, DI)**  
Anita Polk-Conley, John Squires
- S006 Bringing College Algebra to Life: Interactive Illustrations in IBL (IS, TT, RB)**  
Cynthia Y. Young
- S007 Creating a Math Library of Career Applications: A Team Effort (C, GE)**  
Eric Aurand, Heather Johnson, Leslie Johnson
- S008 Out of the Salt Shaker: Using the Salinon to Teach Calculus Modeling (MI, IS, H, TT)**  
Linn Carothers
- S009 Using the Conference App (G)**  
Keven Dockter
- S010 Ten Ways (and More) to Get Out of a Pedagogical Rut (IS, D)**  
Marcus Jorgensen

## Thursday 9:00 am - 9:50 am

- S011 Real-World Projects for Precalculus Trigonometry (MI, SS, TT)**  
Cathey Jordan
- S012 Technology and the Individualized Learning Experience (TT, IS)**  
Dan Petrak
- S013 Projects and Assessments in Math for the Liberal Arts (IS, GE, A)**  
Erum Marfani, Pei Taverner

- S014 A Structured Approach to Inference in Introductory Statistics (ST)**  
Roxy Peck
- S015 Bringing New Life to Your Developmental Mathematics (CR, D)**  
Jack Rotman
- S016 Software Should Emulate Good Instructors – So Why Use Short Answers? (TT, D, H)**  
John C. Miller
- S017 AMATYC 101 (G)**  
Annette Cook, Bruce Yoshiwara
- S018 Spent Fuel and Circuit Gain: What's in a Log? (MI)**  
Steven J. Wilson, Stephen Hayton
- S019 Integrating an Arithmetic Course and Math Learning Strategies (D, IS, SS, RB)**  
Ilva Mariani
- S020 Baseball Statistical Anniversaries: River of Knowledge, Field of Dreams! (GE, ST)**  
Steve Krevisky, Patrick Riley

### Jacksonville Program Key

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



Thursday 9:00 am - 10:55 am

Themed Sessions

- T1 Aspects of Placement and Assessment**
- T1A Using Portfolios for Assessment in a College Geometry Class (A)**  
Jodi Cotten
- T1B Assessment in Online Courses (A, TT)**  
Behnaz Rouhani
- T1C Achieving a 42% Increase in Placement into Credited Math Courses (A, RB)**  
David Usinski
- T1D Redesigning Placement in Developmental Math (A, D)**  
Marybeth Beno
- T1E Poverty, Math, and Assessment (G, A, RB)**  
Laura Reed
- T1F Engaging Math Faculty in Assessment (A)**  
Alia Criddle Maw
- T2 Research to Spice Up Your Classroom**
- T2A Classroom-based Research Appetizers (RB)**  
Irene M. Duranczyk
- T2B Examining Mathematical Questions (A, RB)**  
Elaine Lande
- T2C Using Mathematics Education Research to Inform Classroom Practice (RB, ST)**  
Ann Sitomer, Kelly Mercer
- T2D A vs C: What Do Our Students Think? (RB, A)**  
Maria Andersen
- T2E Inquiry in Differential Equations: A Teacher's Reflections (MI, RB)**  
Keith Nabb
- T2F Be a Math Missionary: Sparking Perspective Transformations (RB, D)**  
John T. Smith

Thursday 9:00 am - 11:00 am

- W01 Productive Persistence: Tenacity + Good Strategies (D, IS, SS, RB)**  
Jane Muhich, Nicole Gray, David Yeager, Roberta Brown, Aaron Altose
- W02 Experience Singapore Math: The Current Rage Sweeping K-12 Districts (TP, C)**  
Joyce Lindstrom
- W03 Statistics for Climate Change, Global Warming, and Biodiversity (TT, ST, IS, C) *[bring your laptop]***  
Salil Kumar Das, George Perkins

Thursday 10:00 am - 11:30 am

- C3 McGraw-Hill Higher Education: Implementing a Successful Co-Requisite Course Model**  
Maria Delucia

Thursday 10:10 am - 11:00 am

- S021 Rapid Content Creation for Algebra and Statistics (TT, MI, ST)**  
Calvin Williamson, Jennifer Shloming
- S022 If You Build It Will They Go? Redesigning Developmental Mathematics (CR, D, DI, RB)**  
Susan M. Johnson, Bill Parker, James Langley, Bonnie B. Mullinix
- S023 Overcome Mathematics Anxiety in College Algebra with Group Work (SS, IS, RB)**  
Sofya Antonova
- S024 The Mathematics Attic (H, IS, G)**  
Tom Adamson, Scott Adamson
- S025 Precalculus and Calculus Projects (MI, TT, IS)**  
Jay Martin, Beth Tsai
- S026 Technology: A Portal to Exploration and Discovery (TT, MI)**  
Kenn Pendleton
- S027 Developmental Mathematics Online: Can It Be Done Successfully? (D, TT)**  
Amy Young Rexrode
- S028 Successful Group Projects in Traditional and Online Classes (IS, TT)**  
Ruth Trygstad
- S029 Making the Ocean of Dreams a Reality: Leading a Study Abroad (C, IS, G)**  
Patty Amick, Cheryl Hawkins
- S030 So, You Have an Idea and Need Grant Funding! (G, RB)**  
Dana Calland, Mary Kay Abbey

Thursday 11:20 am - 12:10 pm

- S031 Student Engagement in Online Statistics (TT, ST)**  
Lee Wayand, Dann Marketos, Leslie Smith
- S032 Scaling Innovation in Dev Math: Lessons from Research and Practice (CR, D, RB, DI)**  
Barbara Lontz, Susan Bickerstaff
- S033 Redesigning Our Redesign – Lessons Learned (CR, D, A, TT)**  
Karen Wyrick, Jennifer Minutolo
- S034 Interesting Mathematical Applications in Astronomy and Music (MI, C)**  
Thomas E. Rutenkroger
- S035 For the Love of Words: Reading and Writing to Learn Mathematics (IS, GE, C)**  
Julie Miller
- S036 Learning Challenges and Teaching Strategies for Series in Calculus (MI, RB, IS)**  
Robert Cappetta

## Thursday, November 8

- S037 **Mastery Learning and Elements of Game Design in Your Math Course (IS, D, RB)**  
George Woodbury
- S038 **Fully Integrate Study Skills into Your Classroom Using P.O.W.E.R. (SS, IS)**  
Sherri Messersmith, Larry Perez, Robert Feldman
- S039 **Quantitative Literacy – Next Steps (GE, IS, C)**  
William G. Steenken
- S040 **A Summer Bridge to Success in Developmental Mathematics (D, SS, RB)**  
Beth Barnett, Jessica Lickeri, Katherine Struve
- S041 **Planar Tessellations and Platonic Solids: What the Ancients Knew (TP, G, GE)**  
Patricia L. Johnson
- S042 **Flipping Your Class? Tips, Hints, and Pitfalls from My Attempts (TT, IS, SS)**  
Rob Eby
- S043 **2010 CBMS Survey of Undergraduate Programs (C, DI, RB)**  
Rikki Blair

### Committee Meeting

11:20 am - 12:10 pm  
Placement and Assessment

### Thursday 12:30 pm - 1:20 pm

- S044 **Quality Does Matter (TT, IS)**  
Carolyn E. Horseman
- S045 **What Does It Mean to Be a Teacher in a Redesigned Math Classroom? (CR, IS, D, DI)**  
Suzanne Etheridge, Amy Tankersley, Mary Monroe-Ellis
- S046 **Discovering Fibonacci (C, H, GE)**  
Candice Dance, Michael Oppedisano
- S047 **Time Series Analysis – All You Need Is Arithmetic (ST, TT)**  
Brian Smith
- S048 **I Want to Engage Students in My Online Classes But . . . (IS, TT)**  
Behnaz Rouhani
- S049 **The Absolute Value of Teaching Math: Turning Negatives into Positives (IS)**  
Dave Sobecki
- S050 **Reinventing the Wheel: Course Rewrite from Prealg Through Precalc (CR, A, C, RB)**  
Susan McLoughlin
- S051 **Liberal Arts Mathematics - A Project-based Approach (GE, IS, TT)**  
Mark Roland

- S052 **Improving Student Engagement in Online Precalculus Algebra (TT, RB)**  
Wendy Clinton
- S053 **Renaissance Mathematics (H, G, C)**  
David Price, Elise Price

- Y1 Why Students Need Modeling (IS, MI)**  
*Symposium Speaker: Gary Rockswold*

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

- C5 **Cengage Learning: Your Soup to Nuts Solution**  
Gordon Lee, Rochelle Beatty, Sande Johnson
- C6 **McGraw-Hill Higher Education: Revolutionizing Math Placement and Remediation to Achieve Success**  
Andy Set, Austina Fong

### Thursday 12:30 pm - 2:30 pm

- Q1 **Department/Division Chairs' Colloquium (DI)**  
Christine Mirbaha, Ron Hammond
- W04 **Formative Assessment with Networked Laptops in Developmental Math (A, D, TT) *[bring your laptop]***  
Wade Ellis
- W05 **Inspiring Mathematical Practices in Elementary Education Courses (TP, IS, RB)**  
Jennifer E. Szydlik
- W06 **Coping with Math Anxiety in College: From Research to Relief! (SS, D, RB)**  
Fred Peskoff, Leonid Khazanov

### Thursday 1:40 pm - 2:30 pm

- S054 **Supporting Mathematics Students Online (the Easy and Inexpensive Way!) (SS, TT)**  
Lea Rosenberry, Peggy Hohensee, Michelle Lis
- S055 **Two Roads to Student Success in a Developmental Math Redesign (CR, D, SS, DI)**  
Curtis Mitchell, Jim Cochran
- S056 **If I Had to Use a Slide Rule, I Would Never Have Majored in Math! (G, H)**  
Janet Teeguarden
- S057 **The Decline of Reading Comprehension Among College Students (ST, C, RB)**  
Paula A. Wilhite
- S058 **MLCS: Redesigning a New Pathway for Non-STEM Majors (D, GE, RB)**  
Kathleen Almy, Heather Foes
- S059 **Math Redesign at Joliet Junior College (CR, IS, D, RB)**  
Michael Sullivan, Laura Egner
- S060 **A Reason to Choose Multiple Choice? (A, IS, D)**  
Edward S. Miller

- S061 **Mastery-based, Modularized, Self-paced Courses for Student Success (D, IS, TT, RB)**  
Kim Tsai Granger
- S062 **Give It the Old College Try (IS, SS)**  
Keturah Johnson
- S063 **Teaching Practices Leading to Consistently Higher Final Exam Scores (IS, A, D)**  
Keith White
- Y2 **Mathematical Modeling: The Right Courses for the Right Reasons (MI, C, IS)**  
*Symposium Speaker: Sheldon P. Gordon*



**Thursday 3:00 pm - 4:30 pm**

**Opening General Session**

**Remarks by**

Jim Roznowski, AMATYC President

**Speaker: Diane Maldonado**

*Navigating the Waters of Assessment*

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

**Grand Opening of the AMATYC Exhibits**

**Thursday 5:00 pm - 6:00 pm**

**Reception for First-Time Attendees**

Everyone attending an AMATYC conference for the first time is invited. If this is your first conference, please check the box at the top of the registration form. Come and get acquainted with your colleagues and with AMATYC.

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

**AMATYC Forums**

(see page 22 for complete description)

**7:00 pm - 7:30 pm**

**Conversations About AMATYC**

Moderators: Jim Roznowski, Rob Farinelli, Margie Hobbs, and Jane Tanner

**7:30 pm - 8:00 pm**

**Final Hearing on the Position Statement on Proctored Testing**

Moderator: Fred Feldon



**Friday 7:30 am - 8:45 am**

**Committee Meeting**

7:30 am - 8:45 am

Innovative Teaching and Learning

**Friday 7:50 am - 8:40 am**

- S064 **Fun Ideas for the First Day of Math Class (IS, SS)**  
Mark Colgan
- S065 **Continuing the Journey: Improving a Site-specific Statistics Pathway (CR, ST, RB)**  
Steven Tuckey, Alana Tuckey
- S066 **US Math Achievement and Associated Issues of Fear & Demographics (D, SS)**  
Baruti Katembo, Reynarda Savage, Cynthia Ballinger
- S067 **Ready for New Life in Developmental Math? (CR, D)**  
Jim Sullivan, Lori Heymans
- S068 **My Students Have Trouble with Logs, Absolute Values, and Other Stuff (IS, D)**  
John W. Coburn
- S069 **Math Models and Math Language: Strategies for Conceptual Understanding (IS, D, MI)**  
Joanne Manville, Shirley MacKenzie, Yvette Straughter
- S070 **Level Up! Video Games for Learning Algebra (TT, D, IS)**  
Maria Andersen
- S071 **Teacher-Student Interactions in Calculus Classrooms and Office Hours (RB, IS, MI)**  
Jun-ichi Yamaguchi
- S072 **Math vs English: A False Dichotomy (SS, G, D, C)**  
Edgar Fisher
- S073 **More Puzzles, Puzzles, Puzzles (G, GE, TP)**  
Kate Danforth, Larry Danforth
- S074 **Analyzing Economic Growth and Employment in a Statistics Course (ST, IS)**  
Alexander G. Atwood
- S075 **When You're Thrown for a Loop: Keeping Your Calculus Class on Track (MI, IS)**  
Alison Schubert, Julia Head
- S077 **Green Applications in Prealgebra, Beginning and Intermediate Algebra (D, IS, C)**  
Mark Clark, Cynthia Anfinson

**Friday 8:00 am - 9:15 am**

- C8 **Pearson Education: Beyond the Basics**  
Irene Doo
- C9 **Educo International: EducoSoft: Technology Moving Forward**  
Man M. Sharma, Elton Hugee, Ashim Chowdhury



Friday 9:00 am - 9:50 am

- S078 **Making a Math Department YouTube Channel (TT, IS, SS, RB)**  
Denise Robichaud
- S079 **Predicting Success in Developmental Algebra (A, D, RB)**  
Dan Kernler
- S080 **Using Effort-worthy Tasks to Deepen Student Understanding (CR, IS, D, RB)**  
Debbie Olson, Terry Souhrada
- S081 **Redesign for Non-Stop Learning (CR, D, DI, RB)**  
Susan King, Mary Kay Abbey, Stephanie Pepin
- S082 **What's Hot and What's Not in Statistics (ST, IS, TT)**  
Marty Triola
- S083 **Using Discourse and Calculators to Promote Student Conceptual Development (IS, TT, RB)**  
Lori Holdren, Matthew Peace, Paula G. Cifuentes
- S084 **Marvelous Mathematics Mentors (SS, MI, RB)**  
Lorie DeMarco, Amanda Himes
- S085 **The Eureka! Experience – Instructional Techniques that Encourage It (IS, G)**  
Alan Tussy
- S086 **Lament No Longer Professor Lockhart! (C, GE, IS)**  
Joyce Ann Menges
- S087 **For the Love of Linear Programming (GE, MI, C, H)**  
Mari M. Peddycoart
- S088 **Making Mathematics Matter – Visualization Tools for Students (TT)**  
Phoebe Lutz, Steven Rosin

Friday 9:00 am - 10:55 am

**Themed Sessions**

- T3 **Evidence-based Developmental Math Redesigns**
  - T3A **Invigorating the Developmental Mathematics Curriculum (CR, D, RB)**  
Barbara Savage
  - T3B **MLCS: One Year Later (CR, D, RB)**  
Kathleen Almy
  - T3C **A First Look at Developmental Math Students After Course Redesign (CR, D, RB)**  
James Wolffe
  - T3D **Developmental Math I and II Redesign at Valencia College (CR, D, RB)**  
Julie Phelps
  - T3E **A Developmental Math Boot Camp (D, RB)**  
Bill Coe
  - T3F **Washington State's Developmental Math Redesign (CR, D, RB)**  
Michael Nevins, Carren Walker
- T4 **Authentic Applications: Legitimizing the Mathematics We Teach**
  - T4A **Service-Learning Projects in Math Classes (C, IS)**  
Shane Tang
  - T4B **Medication Concentration in the Bloodstream (C, TT)**  
Ned Schillow
  - T4C **Design Students Doing Mathematics (C, IS)**  
Lasse Savola
  - T4D **Unleash the Power of the Calculator (TT, MI)**  
David Tannor
  - T4E **The Girl Scout Cookie Sales Goodness-of-Fit Test (ST)**  
Mark Harbison
  - T4F **The Dimensions Program – Geometry in STEM Context (C, MI)**  
Patricia L. Hirschy

**Jacksonville Program Key**

- A Assessment (Classroom, Course, Program)
- C Connections (Articulation with K-12, Universities, Business, Interdisciplinary Classes, 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 9:00 am - 11:00 am

- W07 **Making Foldables with Preservice Teachers (TP, IS)**  
Honey Kirk, Mary Zocchi, Heidi Hunt-Ruiz
- Y3 **Modeling and Applications Workshop (MI, IS, C)**  
*Symposium Speakers: Sandra Poinsett, Robert Cappetta, Sheldon Gordon, Gary Rockswold*

Friday 9:45 am - 11:00 am

- C10 **Maplesoft: Invite Student Exploration with Maple™ and Maple T.A.™**  
Louise Krmptotic
- C11 **Pearson Education: Student-centered Teaching Strategies in MyMathLab, MyStatLab, and MathXL**  
Irene Doo
- C12 **McGraw-Hill Higher Education: Thinking Outside the Input Box**  
Nicole Lloyd, Emilie Berglund

Friday 10:10 am - 11:00 am

- S089 **Avatars, Animation, and Cartoons, Oh My! (TT, IS)**  
Jeremy Higdon, L. Jeneva Moseley
- S090 **Snapshots of Course Redesign: Successful Redesign Models (CR, IS, D, RB)**  
Andreana M. Grimaldo
- S091 **Accelerated Mathematics Initiatives and the College Completion Agenda (DI, D, CR)**  
Christine Mirbaha
- S092 **Ten (or More) Ideas for Writing the Best Possible Final Exam (A, TP, RB)**  
Dennis C. Runde
- S093 **Leading with Inspiration: Five Choices for Life Success (SS, IS, G)**  
*Featured Speaker: Steve Piscitelli*
- S094 **Math Is the New Black: Changing Students' Attitude Toward Mathematics (D, IS, C)**  
Anahu Guzman, O'Rita Johnson, Alexis Michaelides
- S095 **Use a Paint Program and a Stylus to Improve Instruction (TT)**  
Agnes Azzolino
- S096 **The History of Liberal Arts Mathematics (GE, H)**  
Michael George
- S097 **Using Simulation Methods to Introduce Statistical Inference (ST, TT)**  
Patti Frazer Lock, Kari Lock Morgan
- S098 **Activate Your Calculus Students! (IS, MI)**  
Diane Koenig
- S099 **Complete Course Project as an APP - Learning on the Go (TT, C, G)**  
Oiyin Pauline Chow

Friday 10:30 am - 11:45 am  
and 2:00 pm - 4:45 pm

Product Demonstrations by AMATYC Exhibitors  
AMATYC Exhibit Hall

Exhibitors will conduct 30-minute product demonstrations in the Exhibits Area. The titles, descriptions, and speakers will be given in the conference program and displayed in the Exhibit Hall. Check which companies will be presenting and which new products will be demonstrated. Plan to attend one or all.

**Wireless High-Speed Internet Service (WiFi)**

Complementary WiFi will be available in all guest rooms booked in the AMATYC block of rooms.

Friday 11:00 am - 11:45 am  
and 1:15 pm - 1:45 pm

**Dedicated Exhibit Time**

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

Friday 11:45 am - 1:15 pm

**Regional Meetings\* & Luncheon**

- |                            |                              |
|----------------------------|------------------------------|
| Northeast - Jane Tanner    | Mid-Atlantic - Chris Allgyer |
| Southeast - Annette Cook   | Midwest - Jim Ham            |
| Central - Nicole Lang      | Southwest - Kate Kozak       |
| Northwest - Stefan Baratto | West - Bruce Yoshiwara       |

Lunch Served: 11:45 am - Noon

✦ Ticket Required for Lunch Portion ✦

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

For a description see page 22.

Friday 1:45 pm - 2:35 pm

- S100 **Facebook and a Digital Pen: You're Never Away from Your Students (TT, IS)**  
John Nedel
- S101 **Let's Get Together! Cooperative Learning in the Math Classroom (IS, D)**  
Bronté Miller
- S102 **Assessment of Dual Enrolled Math Courses (A, C, DI)**  
Kathleen Ebert, Mark D'Arcy
- S103 **Using Supportive Environments to Create Success in Online Mathematics (IS, SS, D, TT)**  
Betsy Duke, Ginger Harper, Mark Johnston
- S104 **iCheat (G, A, TT)**  
Jeremy P. Coffelt, Vanessa L. Coffelt
- S105 **Extreme Calculus (MI, TT)**  
Paul Zorn, *President, Mathematical Association of America*
- S106 **Am I Accessible? (SS, TT, RB)**  
Meghan McIntyre, Julia Darby Head, Tammy Louie, Hatesh Radia
- S107 **Using Student Work Samples to Promote Calculus Learning (RB, MI)**  
L. Jeneva Moseley
- S108 **Teaching Probability Using Children's Games (TP, IS, GE)**  
Theresa McChesney

## Friday, November 9

S109 **Word Exercises – Taking Students from Tee-Ball to the Majors (D, IS, GE)**  
Graham Smith

S110 **The World Must Be Proportional (IS, MI)**  
Tityik Wong

### Friday 1:45 pm - 3:45 pm

W08 **New Life Courses: Mathematical Literacy and Transitions (CR, DI)**  
Jack Rotman

W09 **Hands-on, Minds-on Teaching and Learning (IS, TP, TT, D)**  
Ruth Collins, Mel Griffin

W10 **Go Straight to Understanding Calculus (MI, TT, RB) *[bring your laptop]***  
Jason Samuels

W11 **Innovative Ideas About Mathematics Education from Around the World (G, IS, C)**  
Vilma Mesa, Fary Sami, Kim Myong-Hi Nina, Ana Ferreras

W12 **Tsunamis, Trigonometry, and Tales (MI, IS, TT)**  
Trey Cox

PS1 **AMATYC Poster Session: In the Classroom and Beyond (See page 10 for a list of posters.)**

### Friday 2:00 pm - 3:30 pm

C13 **Hawkes Learning Systems: Mastering Math, Not the System**  
Jen Moore

C14 **Pearson Education: Creating Custom Exercises in MyMathLab, MyStatLab, and MathXL**  
Irene Doo

C15 **Pearson Education: ACCUPLACER®//MyFoundationsLab: An All-in-One Solution**  
Diane Gray with Guest Educators

### Friday 2:55 pm - 3:45 pm

S111 **Design and Delivery of a Hybrid Differential Equations Course (TT, IS, MI)**  
Chris Oehrlein

S112 **Developmental Mathematics Redesign at JSRCC (CR, D, DI, RB)**  
James Wolfe, Kim Hasley

S113 **Are We There Yet? (Calculating Geographical Distances) (MI, G)**  
Eric Hutchinson

S114 **Teaching with Technology in Today's Multi-Generational Classroom (IS, TP, TT)**  
Christy Jackson

S115 **Close Encounters with Classics (H, IS, MI)**  
Tom Carson

S116 **A Dissection of Course Redesign (CR, IS, TT, SS)**  
Elayn Martin Gay

S117 **Inverting Your Classroom (IS, D, TT, SS)**  
Carren Senn Walker, Joan Zoellner

S118 **The First Year Directing and Establishing a Successful Math Center (SS)**  
Brittney Gillespie

S119 **Faculty Mathematics League Contest (MI, G)**  
Steven Blasberg, Susan Strickland

S120 **Developing a Statewide Customized College Math Test for Minnesota (A, C)**  
Karen Hynick, Kathie Montognese, Sandra Johnson

S121 **Affiliate Sharing Session (G)**  
Deepankar Rick Pal, Calvin Briggs

### Friday 4:00 pm - 5:00 pm

## Committee Meetings

Division/Department Issues  
Teacher Preparation

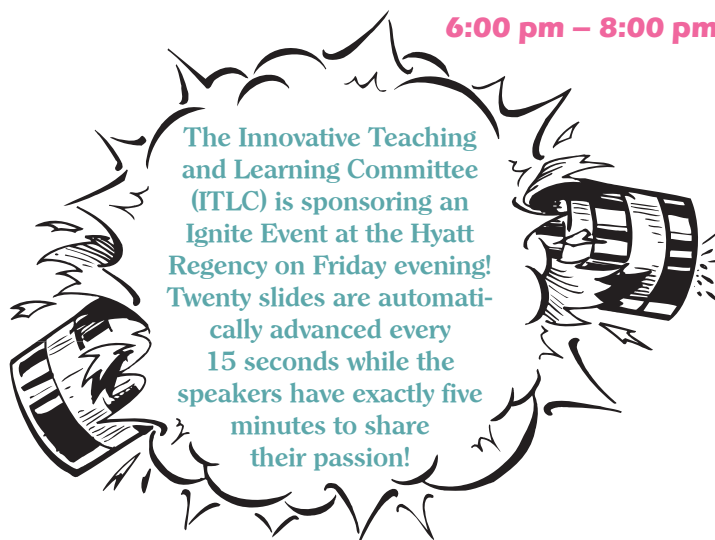
### Friday 4:00 pm - 5:30 pm

## Committee Meetings

Developmental Mathematics  
Mathematics for AAS Programs  
Mathematics Intensive/College Mathematics  
Placement and Assessment  
Research in Math Education in Two-Year Colleges  
Statistics

## Ignite Event

6:00 pm – 8:00 pm



The Innovative Teaching and Learning Committee (ITLC) is sponsoring an Ignite Event at the Hyatt Regency on Friday evening! Twenty slides are automatically advanced every 15 seconds while the speakers have exactly five minutes to share their passion!

- P1** **Mighty Manipulatives: Hands-on Activities for Developmental Students (D, IS, TT)**  
Heather Albrecht
- P2** **Podcasting and Guided Lecture Notes for Intermediate Algebra Students (D, IS, TT)**  
Cindy Alder
- P3** **Empowering Students with SAMS: Student Attributes for Math Success (D, SS, RB)**  
Margaret Balachowski,  
Andrea Cahan
- P4** **Cooperative Learning in a Developmental Classroom (D, IS)**  
David Britz
- P5** **How and Why an Instructor Should Podcast (IS, TT, SS)**  
Susan Cooper-Nguyen
- P6** **Curriculum Redesign Our Way: What Works for Our Students! (CR, G, GE)**  
Bernard Cunningham, Vasu Iyengar
- P7** **Hybrid College Algebra: Lessons Learned Along the Way (CR, TT, IS)**  
Callie Daniels
- P8** **Running Through the Decades: An Exercise in Applied Statistics (ST)**  
Don Davis
- P9** **Taking an Accelerated Approach in Developmental Mathematics Courses (D, IS, RB)**  
Elizabeth Gamboa
- P10** **Award Winning Course Design (TT)**  
Craig Hardesty
- P11** **R<sup>3</sup>: Recap, Reinforce, Reiterate; Using an Online Classroom to Review (D, G, TT)**  
Christy Hediger
- P12** **Reasoning and Critical Thinking for Developmental Mathematics Students (D, TT, IS)**  
Derek Hiley, Josua Illian
- P13** **Student-Choreographed Learning: A Personalized, Interactive Model (CR, D, TT)**  
Jennifer Hoyte
- P14** **More than Math: Success Strategies for the Developmental Classroom (D, IS)**  
Kelly Jackson, Andrea Hendricks
- P15** **If You Build It They Will Come: Dynamic Supplemental Materials (D, TT, SS, IS)**  
Teresa Kelly
- P16** **Project-based Learning and Redesign in Calculus (MI, IS, CR, RB)**  
Joseph LaForge
- P17** **Inquiry-based Questionnaire Before an Inquiry-based Math Lesson (IS)**  
Devika Lalsinghani
- P18** **Group Testing in a Developmental Mathematics Class (A, D, IS)**  
Maya Lanzetta
- P19** **Student Preparation and Studio Classrooms (A, IS)**  
Kathleen Lefert, Donna Helgeson
- P20** **Problem-based Learning in Higher Vocational Mathematics Teaching (IS)**  
Jiao Liu
- P21** **Promoting Student Success and Engagement Through Learning Awareness (IS)**  
Faun Maddux
- P22** **Stop Teaching Scientific Notation! (D, H, TT)**  
Philip Mahler
- P23** **Flipping Fridays: Increase In-class Problem Solving Opportunities Using YouTube (D, IS, TT)**  
Julie Maier
- P24** **Counselor-Faculty Partnership: Key to Unlocking Acceleration Potential (D, SS, CR)**  
Eric Matsuoka, Tiana Loo
- P25** **Explaining Exponential Growth Functions Using Multimedia Presentations (TT, IS, SS)**  
Rupa Mitra, Shila Narain
- P26** **Impacting Performance Through a Best Practices Collaboration Workshop (A, IS, ST)**  
Rupa Mitra, Mary Elizabeth Gore
- P27** **Improve Retention and Success Rates Using a Math Success Center (D, SS, IS)**  
BK Mudunuri
- P28** **Using the iPad in a Mathematics Classroom (TT, GE)**  
Martha Nega
- P29** **Using Group Work to Improve Classroom Engagement (IS, ST)**  
Catherine Nightingale
- P30** **Proof-writing Skills Through Proof-reading Comprehension Exercises (IS, MI, A)**  
Brooke Orosz
- P31** **Teachers' and Learners' Perceptions on Mathematical Literacy (D, C, G)**  
Olatunde Osiyemi
- P32** **Connections in Transfer Courses: Peer Mentors and Learning Communities (CR, IS, SS)**  
Donnabelle Pascual,  
Jennie Thompson
- P33** **Adding Structure to the Algebra Classroom to Improve Student Learning (CR, D, DI)**  
Anthony Ponder
- P34** **Math and Computer Science Partnership to Improve Calculus Instruction (A, IS, RB, TT)**  
Marilyn Reba, Allen Guest
- P35** **Mastery-based Learning – A New Approach to Developmental Mathematics (D, IS, TT)**  
Christopher Riola, Arunas Dagys
- P36** **Improving Students' Attitudes (D, SS)**  
Amber Severson
- P37** **The Use of Self-regulation Strategies in a Precalculus Class (IS, SS, RB)**  
Venessa Nadira Singhroy
- P38** **Developmental Math Educators' Instructional Technology Priorities (D, TT, RB)**  
Susan Skidmore, Linda Zientek
- P39** **Success for STEM Students with Initial Developmental Math Placement (SS, D, RB)**  
Sylvia Sorkin
- P40** **Predict a Birthday (G, GE, IS, TP)**  
Jeganathan Sriskandarajah
- P41** **Analyzing Effects of Administering Writing Projects in Math Classes (IS, D, MI)**  
Greg Stiffler
- P42** **Success in the Accelerated Mathematics Program (D, CR, IS, RB)**  
Pete Surgent, Adugna Mekonnen
- P43** **When am I Going to Use This Stuff? (D, G, IS)**  
Larry Tingen
- P44** **Course Redesign at Metropolitan Community College (CR, D, TT)**  
Marcia Vergo, Michael Flesch
- P45** **Psychology and Statistics: A Logical Connection? (ST, TT, IS)**  
Michelle White
- P46** **Interactively Learning Mathematics by Distance (IS, TT)**  
Sandra Wildfeuer
- P47** **The Effect of Student-created Exam Reviews (G, IS)**  
Alice Wilson



Saturday 7:45 am - 10:00 am

**Saturday Awards Breakfast Session**

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

(\*Ticket Required)

Program: 8:30 am - 10:00 am

**Presentation of Awards**

Jim Roznowski, AMATYC President

**Speaker: Keith Devlin**

*The Missing Link: A Tale of Literary Forensics*

Saturday 10:00 am - 10:45 am

**Dedicated Exhibit Time**

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

Saturday 10:45 am - 11:35 am

- S122 **Game Theory Illumination (C, A, G)**  
Yvette M. Akridge
- S123 **New Life for Introductory Developmental Mathematics Courses (CR, D, IS, SS)**  
Loye Henrikson
- S124 **Increasing Access to Mathematics Through a Literacy Language Lens (D, IS, ST)**  
Kimberley Gomez, Maritza Lozano, Katherine Celeste, Nicole Mancevice
- S125 **The Mathematics of a Stay-at-Home Dad (G, GE)**  
Terry Krieger
- S126 **Teaching Developmental Math with Digital Media – Use Cases (D, TT, RB)**  
Ruth Rominger, Crystle Rippetoe, Terrance Blackman, Trish Burke-Williams
- S127 **Lesson Study: A Collaborative Teaching Effort for Student Success (IS, TT)**  
Rama Chidambaram, Jennifer LaRose
- S128 **The New Mathways Project: Reforming Mathematics Education at Scale (CR, D, GE, ST)**  
Philip (Uri) Treisman
- S129 **Calculus Field Trips (MI, C, IS, RB)**  
Despina Prapavessi, Jamylle Carter

- S130 **Statistics: The Main Players, Events, and Repercussions (H, ST)**  
Susan McCourt
- S131 **Got Grades! (A, D, DI) [Repeated on Sunday]**  
Don Vondrak, Janet Teeguarden
- S132 **Open Course Library Project: Free Online Texts for Algebra to Calculus (TT, MI, SS)**  
Dale Hoffman, Melonie Rasmussen, David Lippman
- S133 **Great Adjuncts, Great Program: Adjunct Faculty Are Worth the Investment (DI, D)**  
Kylena Cross, Joanna Gannon
- S134 **Personalizing Statistics in a Liberal Arts Curriculum (GE, ST, C, IS)**  
Nancy J. Rivers
- S135 **Ten Strategies for New (and Old) Instructors ... Algebra to Calculus (IS, G)**  
Alice Kaseberg
- S136 **Fun Projects to Liven Up the Classroom: Algebra to Calculus (IS, TT, MI)**  
Aletta Speegle

Saturday 10:45 am - 12:15 pm

- C16 **Hawkes Learning Systems: The Internet Ate My Homework!**  
Kelsey Poor
- C17 **Pearson Education: MyMathLab: A New Generation**  
Diane Gray with Guest Educators

Saturday 10:45 am - 12:45 pm

- W13 **Exploring a Mathematical Reasoning Course: New from Quantway (CR, D, GE, A)**  
Ed Gallo, James Willis, Kinga Oliver

**Committee Meeting**

10:45 am - 12:45 pm  
2013 Conference Planning

Saturday Noon - 12:50 pm

- S137 **Can Your Students Do Their Inside Math Outside Their Math Courses? (CR, D, DI, C)**  
Peter Wildman, Greg Cripe
- S138 **International Math Conferences: River of Knowledge, (Pacific) Ocean of Dreams (C)**  
Steve Krevisky, Barbara Leitherer
- S139 **College Algebra: Can Minor Changes Make a Major Difference? (SS, TT, RB)**  
Joni B. Pirnot, Mary Beth Headlee, Cathy Panik



## Saturday, November 10

- S140 **Mathematical, Pedagogical and Cognitive Aspects of a Statement (G, MI, RB)**  
Vilma Mesa, Elaine Lande
- S141 **Continuous Improvement Has Increased Success and Retention (D, DI, RB)**  
Kristin Good, Lisa Manoukian
- S142 **The Art of Posing Questions (A, IS)**  
Natalya Vinogradova
- S143 **Drowning in the Math Textbook (IS, SS)**  
*Featured Speaker: Lucy MacDonald*
- S144 **Animating Your Math Lessons with Technology (TT, IS, D)**  
Ryan Kasha
- S145 **Developmental Mathematics from Our Students' Perspective (RB, D)**  
Ann Sitomer
- S146 **Curve Fitting Using Determinants and a Computer Algebra System (MI, TT)**  
Jim Trefzger
- S147 **Social Sciences Invade Algebra! (C, H, G)**  
Erica Marlys Hastert, Randal S. Allison
- S148 **Teachers Mentoring Teachers: Not Just a Good Idea – It's Good for You! (DI, TP)**  
Jody DeVoe, Alison Hammack
- S149 **What's an Inflection Point? (H, MI)**  
Rodger Hergert
- S150 **Things You Can Try to Liven Up Your Trigonometry Class (IS, TT, MI)**  
Lynette Meslinsky, David Usinski
- S151 **Technology and the Flipped Classroom (TT, IS)**  
Evan Evans, Larry Huff
- S155 **Six Young Women Describe How They Conquered Their Math Anxiety (D, SS, IS)**  
Martha Whitty
- S156 **Improving a Baseball Team: Does a Run Prevented Equal a Run Scored? (G, MI, ST)**  
Jason Samuels
- S157 **Infusing Intermediate Algebra with Authentic, Compelling Curve Fitting (D, IS, TT)**  
Jay Lehmann
- S158 **Your Momma and Stats: So Much More than a Joke (ST, IS)**  
Nancy Pfenning
- S159 **From Golf Balls to Space Shuttles (RB, C, G)**  
Renea Randle
- S160 **An Investigation of McDonald's Golden Arches (IS, TT, MI)**  
Jim Langley, Bill Parker
- S161 **The Care and Nurturing of Adjunct Instructors in a Large Department (DI)**  
Glenn Noe, Arminda Wey
- S162 **Mathematics Intensive Sharing Session (MI, IS)**  
Sandra Poinsett, Robert Cappetta, Scott B. Peterson
- S163 **Mind Mapping Mathematics: Making It Meaningful and Memorable (IS, SS)**  
Cheryl Ooten
- S164 **Five-step Process to Develop Contextualized Material (IS, D, RB)**  
Hector Valenzuela

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

- C19 **Pearson Education: MyMathTest Strategies for Placement Validation and Remediation**  
Diane Gray with Guest Educators
- S152 **What, I Can't Lecture All the Time? How Do I Teach? (IS)**  
Florence Chambers
- S153 **Mad Libs Promote World Peace ... and Mathematical Literacy! (SS, IS, RB, A)**  
Rebecca Schantz
- S154 **Mathematics Leadership Resources to Influence Teacher Leaders (TP, IS, C)**  
Suzanne Mitchell, *President, National Council of Supervisors of Mathematics*
- W14 **Inside the Dana Center's New Mathways Project (CR, D, GE, ST)**  
Amy Getz, Philip (Uri) Treisman
- W15 **Teaching Conceptual Understanding Through Manipulatives (D, TP, IS)**  
MaryAnne Anthony-Smith, Lynn Marecek
- W16 **A Common Core-aligned PD Model and Its Impact in the Classroom (C, TP, IS, RB)**  
M. Sunil R. Koswatta, Prema Vora, Rebecca C. Poon, Hung-Hsi Wu
- S165 **Directions for More than a Circle (TP, IS, C)**  
Leslie Wojciechowicz
- S166 **Egyptian Fractions: From Ahmes to Erdős (H, GE, G)**  
Keven Hansen
- S167 **Introductory Projects in College Algebra and Calculus: Pulling It Off (IS, MI, TT)**  
David J. Graser

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

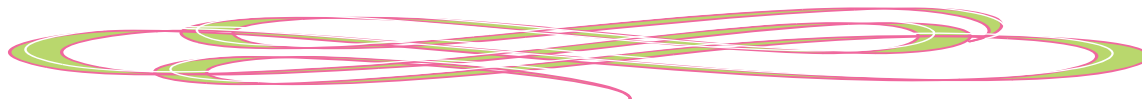
## Saturday, November 10

- S168 Creating Videos to Illustrate Relevant Mathematics Problems (TT, D, IS)**  
Dona Boccio, Preeti Potdar
- S169 Getting AMPed About Mathematics (D, A, CR)**  
Lukalu N. Munongo, Danielle Truskowski, Michael Venn
- S170 Motivation – The Ultimate Study Skill (SS, RB, IS)**  
Alan Bass
- S171 College Algebra and General Chemistry: Now We're Talking Applied Math (C, IS, RB)**  
Brian Murphy, Meg Onoda
- S172 Implementing Professional Development for Your Developmental Faculty (DI, D)**  
Amy Tankersley, Suzanne Etheridge, Mary Monroe-Ellis
- S173 Some Mathematical Considerations in Tennis Serving (MI, ST, G)**  
Joseph Browne
- S174 Using a CAS in the Classroom with Twitter (TT, MI)**  
Cal Stanley
- S175 Adjunct Sharing Session (DI, G)**  
Judy King, Judy Giffin
- S176 SRL Strategies in Developmental Courses (IS, D, SS)**  
Sandie Han, Grazyna Niezgoda
- S177 Geometric Series and Their Applications (IS, MI)**  
Fred Katiraie

Saturday 4:00 pm - 6:00 pm

### Delegate Assembly

Delegates are to be seated by 3:45 pm.



## Sunday, November 11

Sunday 8:15 am - 9:05 am

- S178 Modeling Projects: From Finite Math to Stats to Multivariable Calculus (MI, TT, IS, ST)**  
Helen Mirtova, Scott B. Huxel
- S179 Ratios, Proportions, and Percents (TP, RB)**  
Ricardo D. Fierro
- S180 Redesign Implementation: Strategies for Teaching in a New Environment (CR, D, IS, TT)**  
James Hedges
- S181 Improving Developmental Pass Rates Using Online Intervention (D, TT, A, RB)**  
Claire Wladis, Michael George, Kathleen Offenholley
- S182 Got Grades! (A, D, DI) [Encore Presentation]**  
Don Vondrak, Janet Teeguarden
- S185 Implementing Student Support to Improve Success in Developmental Math (SS, D, TT)**  
Constance Calandrino
- S186 Calculus Classroom Capsules (MI, TT)**  
Siham Alfred
- S187 Diary of a Learner-centered Teacher: Power, Peril, and Promise (IS, SS)**  
Jim Rhodes, Penny Morris

Sunday 10:30 am - 11:15 am

### Closing Session

Jim Roznowski, AMATYC President

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

- S183 Famous Monsters (H, ST)**  
Erum Marfani
- S184 A Story of Redesign Success (CR, D, IS, TT)**  
Hala Nestberg

# Instructions for Completing Registration Form

- 1. One registration form per person**  
Form may be duplicated. You are encouraged to register online at [www.amatyc.org](http://www.amatyc.org).
- 2. Member versus Non-member Rate**  
**The non-member rate does not include an AMATYC membership.** If you desire to attend the conference and become a member of AMATYC, then it is recommended that you purchase an AMATYC membership first. 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 expiration date is 11/30/12 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 11/30/12, you will need to include your dues payment with your conference registration or register as a non-member.

If 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 your college is an institutional member, registration instructions were emailed to the contact person. If you do not know who that is or do not have access to the information, call or email the AMATYC Office.

If you are unsure of your membership status, please call or email the office for verification.
- 3. Affiliate Scholarship**  
If you have been selected to receive an affiliate scholarship, select "conference discount member" option from list (online registration) and enter the discount code that has been provided to you.
- 4. First-Time Attendee (FTA) Discount**  
If you have never attended an AMATYC conference, you are eligible to apply a \$50 credit toward a full conference registration fee. **This credit is only available during the discount registration period and cannot be applied to a Single-Day rate.** Be sure you check the box at the top of the registration form or at the beginning of the online registration process. When registering online you will need to insert the FTA code that appears on the registration page into the "Apply Discount" box in the shopping cart. *[This credit is only available to first-time conference attendees and is not transferrable to any other person.]* If you are not sure you qualify for this credit, please contact the AMATYC Office to verify.
- 5. Single-Day Rate**  
You may select **only one day** – Thursday, Friday, or Weekend (Saturday/Sunday) and this rate may be used only one time and is not eligible for the first-time attendee discount. Member and Non-member rates apply. Single-day registration does not include tickets for food functions.
- 6. Foundation Donations**  
Please consider making a donation to the AMATYC Foundation. You can make contributions on the conference registration form. Any donations made with the conference registration are eligible for the on-site drawing in Jacksonville for a complimentary discount conference registration for Anaheim or a one-year membership. Bring your conference receipt to the registration desk for assistance.  
AMATYC is a 501(c)(3) charitable corporation, and all Foundation donations are deductible to the extent provided by law.
- 7. Friday Lunch and Saturday Breakfast Choices**  
Non-vegetarian: includes meat serving  
Vegetarian: low-fat/vegetarian
- 8. Guest Tickets/Single-Day Registrants**  
A guest can be registered at no cost provided the guest is not a mathematics educator or author. Guest registration does not include attendance at workshops or the special functions – Friday Luncheon 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.
- 9. Deadlines**  
**To qualify for the discount rate, if submitted via mail, registration form with payment must be postmarked on or before September 30, 2012. If submitted via the web or faxed, the completed registration form must be received on or before October 7, 2012.** Registrations that do not meet these deadlines will be processed at the regular rate.  
Please do not mail registrations after October 19, 2012, as we cannot guarantee its receipt prior to the conference. Online registration will be available continuously. Onsite registration will be available at the conference.
- 10. Refund Policy**  
A refund of 100% of your registration fee less a \$10 service fee will be given upon receipt of a written request postmarked by **October 24, 2012.** A 50% refund less a \$10 service fee will be given if your written request is postmarked on or after October 25, 2012, and by November 7, 2012. No refunds will be given for requests postmarked on or after November 8, 2012. Requests for return of overpayments must be in writing and received by the AMATYC Office no later than December 15, 2012. 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.
- 11. 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 on the paper form indicating you wish your name excluded from any non-AMATYC mailing lists, your mailing information will not be provided to external agencies. If registering online, you must select the "opt-out" feature in your record profile to prevent your information from being released.
- 12. ADA Accommodations**  
AMATYC is committed to serving all conference attendees who have disabilities and adheres to the guidelines set forth in the Americans with Disabilities Act (ADA). Attendees requiring special accommodations should contact Beverly Vance before October 19, 2012, at 901.333.6243 or [bvance@amatyc.org](mailto:bvance@amatyc.org).
- 13. If you have any questions, please contact the AMATYC Office at 901.333.6243 or by email at [amatyc@amatyc.org](mailto:amatyc@amatyc.org).**

# American Mathematical Association of Two-Year Colleges 38<sup>th</sup> Annual Conference • Register online at [www.amatyc.org](http://www.amatyc.org)

## >>Extended Discount Registration Deadline<<

To qualify for the discount rate, registration form with payment must be postmarked, if submitted via mail, on or before September 30, 2012. If submitted via the web or faxed, the completed registration form must be received on or before October 7, 2012.

Check here if this is your first AMATYC conference.

If first conference, you are encouraged to attend "AMATYC 101" (S017) and the reception for first-time attendees. (See page 21 for details.)

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

Nickname on Badge \_\_\_\_\_

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

**\*\*If registering using the Institutional Membership, do not use this form. A special form has been emailed to the contact person. Call the AMATYC Office at 901.333.6243 if you have any questions.**

Preferred mailing address is:  College  Home

College \_\_\_\_\_

College Address \_\_\_\_\_

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

Email Address \_\_\_\_\_

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

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

Residence Address \_\_\_\_\_

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

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

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

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

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

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

**Meal Choices** (choices are available until 10/7/12)

Friday Luncheon:  Non-vegetarian  Vegetarian

Saturday Breakfast:  Non-vegetarian  Vegetarian

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

Thursday  Friday  Weekend (Saturday/Sunday)

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

Make check payable to **AMATYC** (in U.S. funds only) and mail check or money order and registration form together to: AMATYC Office, 5983 Macon Cove, Memphis, TN 38134 or forms may be faxed to 901.333.6251 if using credit card for payment. Registrations sent by mail must be received on or before October 19, 2012.

### AMATYC Member

Discount Registration	\$325	\$ _____
Regular Registration*	\$365	\$ _____
Single Day, Discount	\$125	\$ _____
Single Day, Regular	\$145	\$ _____

### AMATYC Non-Member

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

Discount Registration	\$430	\$ _____
Regular Registration*	\$470	\$ _____
Single Day, Discount	\$150	\$ _____
Single Day, Regular	\$170	\$ _____

\*postmark after 9/30/12, online or fax after 10/7/12

### Affiliate Scholarship Code \_\_\_\_\_

Complimentary Discount Registration (\$325) \$ (\_\_\_\_\_)

### First-Time Attendee (FTA)\*

\*See instructions for eligibility

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

### 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** (Please consider a donation) \$ \_\_\_\_\_

### Guest of Attendee/Single-Day Tickets

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

Friday, Nov. 9 Luncheon  
\_\_\_\_\_guest tkts. @ \$34/ea. \$ \_\_\_\_\_

Luncheon:  Non-vegetarian  Vegetarian  
(choices are available until 10/7/12)

Saturday, Nov. 10 Awards Breakfast  
\_\_\_\_\_guest tkts. @ \$34/ea. \$ \_\_\_\_\_

Breakfast:  Non-vegetarian  Vegetarian  
(choices are available until 10/7/12)

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

\*AMATYC Tax ID #11-2531258\*

Check # \_\_\_\_\_  Mastercard  Visa  
 American Express  Discover

Check or Credit Card Payment:  College/Business  Personal

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

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

Signature \_\_\_\_\_

Name on card \_\_\_\_\_

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

College/Business  Residence

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

Address \_\_\_\_\_

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







## Getting There

(all prices quoted are subject to change)

### Airport/Hotel Transportation

**Shuttle:** Destination Planning is offering conference attendees a one-way ride for \$18. Go to the AMATYC conference website, [www.amatyc.org/Events/conferences/2012Jacksonville/index.html](http://www.amatyc.org/Events/conferences/2012Jacksonville/index.html), to find information on making reservations.

**JTA:** The CT3 city bus leaves 25 minutes past the hour every hour from the ground transportation area outside the airport. The bus costs \$1.50 per passenger and will drop the attendees off at the corner of Pearl Street and Water Street, which is about four blocks from the hotel. Once dropped off, take Water Street to the Landing, walk through the Landing to the Riverwalk. Stay on the Riverwalk for about two blocks until you reach the Hyatt.

**Taxi:** A taxi from the airport to the hotel will cost about \$40.

For more information on the Jacksonville International Airport, visit the website [www.jia.aero](http://www.jia.aero).

### Getting Around Jacksonville

There is a lot of Jacksonville to experience within walking distance from the hotel. For your convenience in exploring the city, there are multiple options of public transportation.

**Buses:** JTA offers one-day, three-day, weekly, and monthly passes. For prices, schedules, and routes, visit the website [www.jtafla.com](http://www.jtafla.com).

**Water Taxi:** For a quick and scenic way to cross the St. Johns River, use the water taxi. An adult one-way fare is \$3, a child and senior one way fare is \$2. For more information, visit the website [www.jaxwatertaxi.com](http://www.jaxwatertaxi.com).

**Skyway:** One-way to get around downtown or to get to the San Marco area of Jacksonville is the Skyway. A one-way fare is \$0.50. For more information, visit the website [www.jtafla.com/Schedules/showPage.aspx?Sel=15](http://www.jtafla.com/Schedules/showPage.aspx?Sel=15).

**The Trolley:** Another option to get around downtown Jacksonville is the trolley. The Bay Street and Beaver Street trolleys provide transportation in the area surrounding the conference hotel and connect to the Skyway. There is also Riverside Trolley which connects downtown to the Riverside community and the Beaches Trol-

ley serves the beach communities. All fares are \$1.50. For more information, visit the website [www.jtafla.com/Schedules/showPage.aspx?Sel=116](http://www.jtafla.com/Schedules/showPage.aspx?Sel=116).

### Conference Housing

The 38<sup>th</sup> Annual AMATYC Conference begins on Thursday, November 8, at the headquarters hotel, the **Hyatt Regency Jacksonville Riverfront**, 225 East Coastline, Jacksonville, FL 32202.

**A block of guest rooms at reduced rates has been reserved at the Hyatt Regency Jacksonville Riverfront until October 10, 2012, 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. Since AMATYC's room block has sold out in the past few years, make your reservation early! **Be sure to mention that you are attending the AMATYC Conference** if making your reservation by phone. Reservations can be made by calling 888.421.1442 or online at the website listed on the hotel form on page 17. The hotel prefers that you make your reservations online.

A credit card guarantee is required to hold a guest room for individuals attending the conference. All individual room reservations are required to pay one night's lodging if the reservation is canceled less than 48 hours prior to arrival. Personal checks, money orders, or a valid American Express, Diners Club, Visa, or Mastercard

number and expiration date will be needed for the deposit. If you do not check into the hotel on the first night of your reservation, your deposit will be forfeited and your reservation canceled. If you find you must cancel your reservation, please make the cancellation at the earliest possible date to avoid losing your deposit. Name changes to room reservations may be made prior to arrival at no charge. In the event you check out of your guest room prior to the reserved checkout date, the Hyatt Regency Jacksonville Riverfront may add an early checkout fee to your account. You will be informed of this at check-in and can change your respective checkout date at the time of check-in, without charge.

Staying in AMATYC's block of rooms at the conference hotel has many benefits. The hotel is located on a four-mile riverfront boardwalk close to area attractions. With numerous museums, exciting sporting events, concerts and more within your reach, the downtown Jacksonville hotel will put you in the center of Florida life. You will also be helping AMATYC keep down conference costs. A significant way AMATYC is able to keep the registration rates as low as possible is by guaranteeing to the hotel that we will use a certain number of guest rooms (our room block). By meeting this quota, the meeting room rental fees are waived, which keeps the registration costs down. Additionally, we have performance clauses in our contract stipulating a certain number of rooms will be occupied and by failing to meet that



Hyatt Regency Jacksonville Riverfront/Courtesy of Visit Jacksonville

number AMATYC will automatically pay high attrition fees. So staying in the conference hotel puts you close to the action and helps AMATYC produce the best possible conference.

## Parking

Hyatt Regency Jacksonville Riverfront offers parking that provides direct access into the hotel. Options include overnight self parking for \$15 and overnight valet parking for \$20. Guests may use their hotel key card to enter and exit the garage after validating with the Front Desk. Garage entrance is located off of Newnan Street.

## 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](http://www.amatyc.org), and by clicking on the "38<sup>th</sup> AMATYC Annual Conference" link, then the "Request a roommate for the conference" link found on that page no later than October 15, 2012. You should be notified, within two business days, that your request has been received. If you do not receive such an email acknowledgement, please contact Linda Kodama at [Lkodama@hawaii.edu](mailto:Lkodama@hawaii.edu).

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

# Registration Information

## Registration

The conference registration fee includes admission to all concurrent sessions and workshops, general sessions, committee meetings, commercial presentations, and the exhibits. Also included are the Friday luncheon regional meetings and the traditional Saturday morning breakfast.

To qualify for the discount registration rates of \$325 member and \$430 non-member, **registration forms must be postmarked, if submitted via mail, on or**

**before September 30, 2012. If submitted via the web or faxed, the completed registration form must be received on or before October 7, 2012.** After these dates, registration will continue at the regular registration rate of \$365 (member) and \$470 (non-member). Registrations sent by mail **must be received** on or before October 19, 2012.

On-site registration will be available at the regular rate (\$365 member and \$470 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 or completed online will receive an email receipt that includes a confirmation number and payment information. If you do not receive an email, contact the AMATYC Office.

At the conference registration desk, you will receive your name badge, program booklet, tickets, and other items. **Name badges must be worn at all AMATYC functions and conference activities.**

## First-Time Attendee (FTA) Discount

If you have never attended an AMATYC conference, you are eligible to apply a \$50 credit toward the full discount conference registration fee. **This credit is only available during the discount registration period.** Be sure you check the box at the top of the registration form or at the beginning of the online registration process. You will be given a code to apply at checkout. *[This credit is only available to first-time conference attendees and is not transferrable to any other person.]* If you are not sure you qualify for this credit, please contact the AMATYC Office to verify.

## Single-Day Registration

AMATYC offers a single-day registration to accommodate local adjunct faculty and for others unable to attend the entire conference. Those selecting this option must register for and choose **ONE** of the following options: Thursday only or Friday only or Weekend (Saturday/Sunday) only. **This rate may be used only one time and is not eligible for the first-time attendee discount.** For single-day registration rates, see the registration form on page 15.

**The single-day registration** includes admission to all concurrent sessions and workshops, general sessions, committee meetings, commercial presentations, and the exhibits for the specified day. Single-day



Hemming Plaza/Courtesy of Visit Jacksonville

registration **does not** include admission to the Friday Luncheon or the Saturday Awards Breakfast. The Friday regional meetings following the luncheon and the Saturday awards session following the breakfast are open to all registrants for the day registered. Single-day registrants may purchase special function tickets at the guest ticket price to attend the meal function for that day.

## Student Registration

If you think you qualify for a student registration, contact the AMATYC Office at 901.333.6243 or [amatyc@amatyc.org](mailto:amatyc@amatyc.org).

## Accepted Forms of Payment

AMATYC accepts payment by check, Visa, MasterCard, American Express and Discover. Payment **must** accompany a purchase order. If paying by check, please make payable to AMATYC (U.S. funds only).

## Exhibitors

Exhibitors who are not also registered as conference participants are invited to attend any session or workshop provided seats are available after all AMATYC registrants are seated.

## Registration Refund Policy

A refund of 100% of your registration fees less a \$10 service fee will be given upon receipt of a written request postmarked by October 24, 2012. A 50% refund less a \$10 service fee will be given if written request is postmarked on or after October 25, 2012, and by November 7, 2012. No



refunds for non-attendance will be given for requests postmarked on November 8, 2012, or later. Requests for return of overpayments must be in writing and received by the AMATYC Office no later than December 15, 2012. 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.

.....  
**Workshops W03, W04, and W10 are computer workshops. AMATYC will not be able to provide computers for these workshops. Please bring your own laptop to benefit fully from these workshops.**  
.....

## Guests of Attendees

Guests are always welcome at AMATYC conferences. They can be registered at no cost provided the guest is not a mathematics educator and is accompanied by a conference registrant. Guest registration does not include attendance at the special functions: Friday Luncheon 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 develop-

ment activity, attendees are responsible for their guests' behavior.

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

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

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

Many hotels provide recommendations for in-room child care for guests. Call the hotel as early as possible for service. Arrangements represent a contractual agreement between the individual and the child-care provider. AMATYC assumes no responsibility for the services rendered.

## AMATYC-Supplied Computer and Internet Access at AMATYC Events

Guests may only use equipment where permitted by the event officials in charge of that equipment and where such use does not hinder access to the equipment by professional registrants. In addition, guests who are minors may have Internet access only if they are under the immediate and direct supervision of a parent or guardian.

## ADA Accommodations

AMATYC is committed to serving all conference attendees who have disabilities and adheres to the guidelines set forth in the Americans with Disabilities Act (ADA). Attendees with disabilities requiring special accommodations should contact Beverly Vance before October 19, 2012, at [bvance@amatyc.org](mailto:bvance@amatyc.org).

## Food Allergies/Special Dietary Needs

If you are attending the AMATYC conference and have special dietary needs, please contact Beverly Vance at [bvance@amatyc.org](mailto:bvance@amatyc.org) before October 19, 2012. AMATYC and the Hyatt Regency Jacksonville Riverfront will work with you to ensure your dietary needs are met.

## Conference Program

This **miniprogram** is provided as a guide to aid you in planning your conference activities. All presentations listed are subject to change. A more detailed program will be included in your registration packet that you will pick up at the conference registration desk.

## Special Events

### Statistics Workshop

The workshop, **Identifying and Addressing Difficult Concepts for Students in the Introductory Statistics Course**, will be held from 8:30 am - 4:30 pm on Wednesday, November 7, at the Hyatt Regency Jacksonville Riverfront. The workshop will be provided by CAUSE (Consortium for the Advancement of Undergraduate Statistics Education) and SCHEMATYC (Statistical Content Helping to Empower Mathematicians at Two-Year Colleges).

The program is designed to benefit both new and experienced statistics instructors. Content will include the presentation of instructional techniques to facilitate the teaching and learning of difficult statistical concepts and discussion of the Guidelines for Assessment and Instruction in Statistics Education (GAISE) objectives.

There is no registration fee to attend this workshop, but space is limited and **advance registration is required**. Participants are responsible for their own transportation, lodging, parking, and lunch (restaurants within walking distance), and are encouraged to bring their own laptop. Please register at [www.causeweb.org/workshop/amatyc12](http://www.causeweb.org/workshop/amatyc12).

### McGraw-Hill Event

McGraw-Hill Higher Education Company would be honored to have your participation in our second annual AMATYC kick-off event: **“Turning the Corner in Developmental Mathematics.”**

The theme of this year's event, **“No Time to Fail,”** will explore how students underperforming in mathematics directly impacts the socioeconomic issues facing our country today and how by incorporating three key elements in your course redesign you can help our nation turn the corner!

When: Wednesday, November 7<sup>th</sup>  
1:00 pm to 5:00 pm

Where: Hyatt Regency, Jacksonville, FL  
Room: City Terrace 9

Register Now!: <https://fd7.formdesk.com/marketdev/DevMathAMATYC12>

Be sure to hit SUBMIT\*

For more information, please check out the conference website, [www.amatyc.org/Events/conferences/2012Jacksonville/](http://www.amatyc.org/Events/conferences/2012Jacksonville/).

## Wednesday Evening Research Pre-session

The Research in Mathematics Education in Two-Year Colleges Committee will sponsor a Research Pre-session Conference on Wednesday, November 7, 2012, starting at 7:00 pm at the conference hotel. Come join us to hear exciting “short burst” presentations focused on preliminary research in mathematics education being conducted in conjunction with community colleges. Presentations will be 20 minutes plus 10 minutes for questions. Participants will have the opportunity to sample different research frameworks, theoretical perspectives, and research findings. Look for more information in the *AMATYC News!*

## Themed Sessions

There are four themed sessions this year. The first two will be held Thursday morning with the remaining two in the same timeframe on Friday.

*Aspects of Placement and Assessment* organized by the Placement and Assessment Committee will discuss current issues, ideas and tools in those areas. Topics include portfolio assessment, assessment in online courses, redesigning assessment in developmental mathematics, and more.

*Research to Spice Up Your Classroom*, presented by the Research in Mathematics Education in Two-Year Colleges Committee will focus on research findings and theory that faculty can use to spice up their teaching. Participants will learn how to develop and investigate research questions for their own classrooms.

*Evidence-based Developmental Math Redesigns* from the Developmental Mathematics Committee will share lessons learned from six reform efforts. Descriptions of a variety of redesigns will be included; successes and challenges will be discussed.

*Authentic Applications: Legitimizing the Mathematics We Teach* presented by the Mathematics for AAS Programs Committee will share applications related to service learning, the health care fields, the fashion industry, consumer mathematics, and even Girl Scout cookies.

## Modeling and Applications Symposium

Take advantage of a special symposium featuring mathematical modeling and real-life applications, presented by the Mathematics Intensive Committee. On Thursday invited speakers Sheldon Gordon and Gary Rockswold will each present a session on these topics. On Friday they will join forces to conduct a hands-on workshop where participants will be invited to try a variety of problems, and will receive materials ready for use in their own classrooms.

## 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.

On Friday, the 4:00 pm hour is reserved for committee meetings so that attendees may participate in the committee of their choice without missing sessions or workshops. This reserved time at the end of the day also allows committees the flexibility of meeting longer than the normal one-

hour. However, some committees do opt to meet at other times, so check the program listing for scheduled meeting times.

AMATYC's academic committees include: Developmental Mathematics, Division/Department Issues, Innovative Teaching and Learning, Mathematics for AAS Programs, Mathematics Intensive/College Mathematics, Placement and Assessment, Research in Mathematics Education in Two-Year Colleges, Statistics, and Teacher Preparation.

## Poster Session

See innovative and practical ideas from your colleagues as well as reports on their latest research projects presented in poster format. This year's session will be Friday from 1:45 pm to 3:45 pm in the foyer of Grand Ballroom Salon 6 on the second floor of the Hyatt. Posters will be available for browsing from 11:00 am until 1:45 pm and after the session until 6:00 pm. During the session you'll be able to exchange ideas with the creators of the posters.

## AMATYC 101

On Thursday at 9:00 am, Annette Cook (Southeast Region VP) and Bruce Yoshiwara (West Region VP) will host S017, “AMATYC 101.” If you are new to AMATYC or attending your first conference, join Annette and Bruce to learn how to maximize your conference experience. Meet other first-time conference attendees, enjoy conversation with colleagues, and get answers to your questions about AMATYC and the conference. Take advantage of this specially designed session to assist you in making the most of the professional development opportunities that are available during the conference and throughout the year.

## First-time Attendee Reception

Will Jacksonville be your first AMATYC conference? In addition to attending “AMATYC 101” described above, take advantage of this special reception at 5:00 pm, Thursday, November 8, in the River Terrace 3 at the Hyatt Regency Jacksonville Riverfront. First-time attendees who self-identify on the registration form by checking “yes” to the question, “Is this your first AMATYC conference?” will receive an invitation for themselves and a guest. If you are new to the AMATYC conference scene, take advantage of this opportunity to enjoy refreshments and stimulating conversation while making connections.



Jacksonville Library/  
Courtesy of Visit Jacksonville



## Faculty Math League Competition

Participate in the 9<sup>th</sup> Annual Faculty Math League (FML) contest. This year's contest will be held Friday afternoon. Check the program book for the time and location. The FML is a competition based on the Student Math League contests sponsored by AMATYC. The twenty-question multiple choice exam covering precalculus mathematics will test your problem-solving skills. Compete for individual prizes as well as the traveling Regional Championship Trophy! Bring your calculator.

## Friday Night Ignite Event

The Innovative Teaching and Learning Committee (ITLC) is sponsoring an Ignite Event in the Hyatt Regency on Friday evening. These are fun and fast-paced Web 2.0 events. The first Ignite took place in Seattle in 2006 and has since become an international phenomenon. Twenty slides are automatically advanced every 15 seconds while the speakers have exactly five minutes to share their passion. An intermission and a no-host, cash bar will be part of the experience. A recording of the event will be posted online for everyone to share and discuss. Go to <http://igniteshow.com> for more information. "Enlighten us, but make it quick!"

## Affiliate Sharing Session

Affiliate leaders and members are invited to attend the Affiliate Sharing Session on Friday, November 9, at 2:55 pm, hosted by Deepankar Rick Pal of Florida and Calvin Briggs of Alabama. This discussion will offer current and future affiliate leaders time to network, ask questions, and share ideas. Topics of discussion will include program and conference planning, ways to strengthen and grow your affiliate, and questions from the group. Share your ideas and learn from others.

## 2012 Department/Division Chairs' Colloquium

The Department/Division Chairs' Colloquium, organized by Christine Mirbaha and Ron Hammond, will be held on Thursday from 12:30 pm to 2:30 pm. This popular annual colloquium provides an opportunity to dialogue with other department leaders in an informal, but structured, setting. Topics this year will include the role and responsibility of chairs, redesign issues, and adjunct concerns.

## Exhibits Grand Opening and Dedicated Exhibit Times

The always exciting Grand Opening of the exhibit area will take place on Thursday afternoon, November 8, at 4:30 pm until 7:30 pm. Explore the latest textbooks, videos, calculators, software, distance learning courseware, and much more. Meet the exhibitors while finding answers to questions about their new products in order to enter drawings for prizes.

Take advantage of dedicated time to visit exhibitors. In addition to the Thursday evening Grand Opening, AMATYC is pleased to feature our exhibitors on Friday from 11:00 am to 11:45 am and 1:15 pm to 1:45 pm immediately before and after the new Regional Luncheon. On Saturday the exhibitors will be featured from 10:00 am to 10:45 am. These dedicated times will allow you to visit the exhibits without missing sessions. Exhibitors are eager to meet you, discuss your needs, and demonstrate products and services that can provide you with solutions to your classroom needs.

### Exhibit Hours

Thursday 4:30 pm - 7:30 pm

Friday 8:30 am - 11:45 am  
and 1:15 pm - 5:00 pm

Saturday 9:45 am - 1:00 pm

### \*Dedicated Times\*

Thursday 4:30 pm - 7:30 pm

Friday 11:00 am - 11:45 am  
and 1:15 pm - 1:45 pm

Saturday 10:00 am - 10:45 am

Note that the Exhibits are closed Friday 11:45 am - 1:15 pm. Please plan your schedule to allow our exhibitors to have this time for lunch while you enjoy the new Regional Luncheon.

## Exhibitor Product Demonstrations

Several AMATYC exhibitors will conduct 30-minute demonstrations to highlight their products and services. These presentations will be located in the exhibit hall from 10:30 am to 11:45 am and 2:00 pm to 4:45 pm on Friday only. While the descriptions will be included in the conference program, a listing of titles, presenting companies and times of presentations will be posted in the exhibit area. Don't miss out on the opportunity to learn more about a product or service you have been considering or to learn about new products and services that are available to enhance your students' learning and your teaching.

## AMATYC Forums

Two forums will be held Thursday, November 8. These forums are of special interest to AMATYC Delegates, but everyone is invited to participate.

### Conversations About AMATYC

Moderators: Jim Roznowski, Rob Farinelli,  
Margie Hobbs, and Jane Tanner  
7:00 pm - 7:30 pm

This forum is an opportunity for AMATYC members to ask questions, share ideas, or just talk about AMATYC present and future. AMATYC is your organization and is interested in how to best meet your professional needs, so please let your voice be heard.

### Final Hearing on the Position Statement on Proctored Testing

Moderator: Fred Feldon  
7:30 pm - 8:00 pm

This is a final hearing for the proposed position statement "Proctored Testing" hosted by the Innovative Teaching and Learning Committee. Please, take this opportunity to offer your final comments before the position statement is considered for adoption during the Delegate Assembly.

## Regional Meetings & Luncheon

Get to know the people and activities in your region, and interact with your regional vice president on Friday, November 9, while enjoying lunch. Be sure to bring your ticket for the lunch which will be available from 11:45 am until noon. The regional meeting will be held from noon until 1:15 pm.

Network with colleagues from colleges and AMATYC affiliates in your region. Take advantage of this opportunity to express your views to your state and affiliate delegates regarding Delegate Assembly issues. Your attendance at the meeting of your region is strongly encouraged.

## Delegate Assembly

The Delegate Assembly will be held on Saturday afternoon at 4:00 pm. Delegates will receive the agenda and meeting information via email prior to the conference. Contact your regional vice president if you are a delegate and have not received an email with this material by mid-October. Additionally, the delegate packet will be made available online at [www.amatyc.org](http://www.amatyc.org) for review. If you have a question for the Delegate Assembly and cannot attend the conference, be sure to communicate with your regional vp prior to the conference.



Jacksonville Beach/Courtesy of Greg Downing and Visit Jacksonville

Members who are not delegates may attend the Delegate Assembly in a special seating section.

## General Information

### Weather

November in North Florida is typically beautiful. The average high temperature is 74 degrees and the average low is 51 degrees, so bring a jacket for the mornings. If you are planning on heading to the beach, the average water temperature in November is 67 degrees.

### Tours

Tours have been arranged through Destination Planning Corporation. Reservations and questions can be emailed to [reservations@DestinationPlanning.com](mailto:reservations@DestinationPlanning.com) or over the phone 904.249.3729. A more detailed explanation of each tour is posted on the conference website at [www.amatyc.org/Events/conferences/2012Jacksonville/JacksonvilleTours.html](http://www.amatyc.org/Events/conferences/2012Jacksonville/JacksonvilleTours.html).

**St. Augustine Historical Hitchhiker Tour:** Wednesday, November 7<sup>th</sup>, 1:00 - 7:00 pm. A fun and informative look at our nation's oldest city, one can explore 400 years of history on this amazing tour.

**Discover Jacksonville Walking Tour:** Friday, November 9<sup>th</sup>, 1:00 - 2:45 pm or 3:00 - 4:45 pm. Take a stroll through downtown Jacksonville and learn as a knowledgeable and colorful guide will lead you through the modern urban city and let you in on the less-known but absolutely fascinating stories of this versatile town's past.

**Jacksonville Scenic Boat Tour:** Friday, November 9<sup>th</sup>, 3:00 - 5:00 pm. What better way to appreciate all of the natural beauty and abundant wildlife of the waterway than to be escorted on your two-hour adventure by a knowledgeable staffer of the St. Johns Riverkeeper, a group in the forefront of ecology and outstanding advocates for adequate enforcement of our laws that insure the well-being of this phenomenal asset to the First Coast.

**St. Augustine Dining & Shopping Shuttle:** Saturday, November 10<sup>th</sup>, 3:00 - 8:00 pm. See all that you can as you explore the beautiful city of St. Augustine. St. George Street might be the heart of St. Augustine, but don't forget to meander down some of the side streets, you never know what kind of treasures you might find. The shuttle will depart the Hyatt at 3:00 pm and return at 8:00 pm.

### Around Jacksonville

Jacksonville has many interesting museums to explore along with some great shopping and dining. For more information on museums, shopping and dining, beaches, and other events happening around Jacksonville, please check out the conference website at [www.amatyc.org/Events/conferences/2012Jacksonville/](http://www.amatyc.org/Events/conferences/2012Jacksonville/) and click on the "What to Do" link or check out the official conference microsite hosted by Visit Jacksonville, [www.visitjacksonville.com/AMATYC](http://www.visitjacksonville.com/AMATYC).

### 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 resumés if you are seeking a job.

### Email/Communications

**Complimentary WiFi is available in each guest room booked within the AMATYC block.** The entire Exhibits Hall, Terrace Conference Center, will be equipped with Wi-Fi. The Professional Networking/Hospitality Room will also be equipped with WiFi for your enjoyment. Bring your laptop or tablet.

The entire first floor of the Hyatt Regency Jacksonville Riverfront provides free wireless access. Complimentary printing of airline boarding passes is available in the lobby.

### Professional Networking/Hospitality Room

Meet new friends or visit with colleagues in the Professional Networking/Hospitality Area located in the Grand Ballroom foyer on the 2nd floor of the Hyatt Regency Jacksonville Riverfront. Enjoy a snack or beverage and just relax or sign up for dinner with your colleagues. Members of the Jacksonville Local Events Committee, offering a warm welcome, will be there to orient you to the city and answer your questions.

**Game night:** On Wednesday, November 7, the local committee will host a game night in the hospitality room from 6:00 - 9:00 pm. Stop by, chat with colleagues, have some fun, and enjoy the Southern hospitality.

### Professional Networking/Hospitality Room Hours

Wednesday 4:00 pm - 9:00 pm  
 Thursday 9:00 am - 7:00 pm  
 Friday 8:30 am - 11:30 am  
 and 1:15 pm - 6:00 pm  
 Saturday 10:00 am - 1:00 pm

## Anaheim 2013

Program proposals to present in Anaheim can be submitted at the AMATYC website, [www.amatyc.org](http://www.amatyc.org), beginning November 1, 2012. Mark your calendar **now** to go to the AMATYC website to submit your proposal. The deadline for submitting a proposal to present a session or workshop in Anaheim is **February 1, 2013**.

# 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.

## Cengage Learning

**C5**  
**Thursday**  
**12:30-2:00**  
**Your Soup to Nuts Solution**  
*Gordon Lee, Rochelle Beatty, Sande Johnson*

Come join Cengage Learning to learn more about how we can consult with you on your course redesign efforts. From curriculum development, retention analysis, to faculty training and implementation, our menu of services will address all your needs and improve student outcomes.

## Hawkes Learning Systems

**C13**  
**Friday**  
**2:00-3:30**  
**Mastering Math, Not the System**  
*Jen Moore*

You know the scenario: Students do well on homework, yet perform poorly on exams. With Hawkes, students cannot “cheat the system” to complete assignments. Instead, they are held accountable for mastering the material without relying on learning aids. An iPad will be raffled at the end of the presentation!

**C16**  
**Saturday**  
**10:45-12:15**  
**The Internet Ate My Homework!**  
*Kelsey Poor*

Tired of hearing that online homework couldn't be completed because the Internet was down? Hawkes eliminates these issues and excuses, as assignments can be completed with or without an Internet connection. Learn more about the additional benefits that Hawkes provides to help students succeed! Enter to win an iPad!

## Maplesoft

**C10**  
**Friday**  
**9:45-11:00**  
**Invite Student Exploration with Maple™ and Maple T.A.™**  
*Louise Krmpotic*

Engage students in learning by integrating Maplesoft™ products into your classroom. Maple makes math exploration and problem-solving more visual and interactive. Maple T.A.™ completes the learning cycle, allowing students to practice concepts they have learned in class. From exploration to assessment, this session will demonstrate our total academic solution.

## McGraw-Hill Higher Education

**C3**  
**Thursday**  
**10:00-11:30**  
**Implementing a Successful Co-Requisite Course Model**  
*Maria Delucia*

Maria Delucia, Department Chair at Middlesex CC, will present their implementation of the Co-Requisite model, which offers a promising alternative to traditional course offerings. Maria will cover topics such as, what led to their decision to offer these courses and how they successfully implement this model for students and faculty.

**C6**  
**Thursday**  
**12:30-2:00**  
**Revolutionizing Math Placement and Remediation to Achieve Success**  
*Andy Set, Austina Fong*

Math placement does not always reveal which skills students need to succeed. Andy Set, Senior Marketing Manager of Placement Solutions at McGraw-Hill, and Austina Fong, Math Instructor and Placement Coordinator at Portland State University, will explore how the new placement and remediation product offered by ALEKS can ensure college success.

**C12**  
**Friday**  
**9:45-11:00**  
**Thinking Outside the Input Box**  
*Nicole Lloyd, Emilie Berglund*

Many college students today lack a variety of skills necessary for success. Nicole Lloyd and Emilie Berglund, former instructors and Directors of Digital Content at McGraw-Hill, will discuss the innovative ways MHHE is bridging the gap by creating online, assignable content that teaches important critical thinking skills and much more.

## Educo International

**C9**  
**Friday**  
**8:00-9:15**  
**EducoSoft: Technology Moving Forward**  
*Man M. Sharma, Elton Hugee, Ashim Chowdhury*

Man Sharma, EducoSoft author and developer, will address the unique power of this technology. This boldly designed platform contains course content from Basic Arithmetic to 3D Calculus, with a complete online instructional, tutorial, assessment, and management system for redesigned developmental and higher-level mathematics. Join us for an in-depth look into EducoSoft.

## Pearson Education

**C8**  
**Friday**  
**8:00-9:15**  
**Beyond the Basics**  
*Irene Doo*

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

**C11**  
**Friday**  
**9:45-11:00**  
**Student-centered Teaching Strategies in MyMathLab, MyStatLab, and MathXL**  
*Irene Doo*

Learn how you can design your course as a personalized learning tool that assesses each student's knowledge and prescribes an individualized learning plan for students to focus on the objectives with which they need help. You manage the assessments, content, and assignments to ensure student outcomes are met.

**C14**  
**Friday**  
**2:00-3:30**  
**Creating Custom Exercises in MyMathLab, MyStatLab, and MathXL**  
*Irene Doo*

Learn how to use the custom exercise builder to copy and edit the online exercise bank, and create your own algorithmically generated exercises for use in Homework, Quizzes, and Tests within MyMathLab, MyStatLab, MathXL, and for assessments in MyMathTest.

**C15**  
**Friday**  
**2:00-3:30**  
**ACCUPLACER®//MyFoundationsLab: An All-in-One Solution**  
*Diane Gray with Guest Educators*

The College Board and Pearson have partnered to offer a diagnostic assessment paired with proven remediation to enhance college preparedness and student success. Students begin with ACCUPLACER Diagnostics, then with the student's diagnostic performance a personalized Learning Path is generated, offering targeted, just-in-time remediation mapped to each student's diagnostic competencies.

**C17**  
**Saturday**  
**10:45-12:15**  
**MyMathLab: A New Generation**  
*Diane Gray with Guest Educators*

Learn about the updates to the MyLabs platform and see new resources for you and your students across multiple Pearson platforms.

**C19**  
**Saturday**  
**1:00-2:30**  
**MyMathTest Strategies for Placement Validation and Remediation**  
*Diane Gray with Guest Educators*

Learn how MyMathTest creates placement validation programs to assess students' mathematical skills and accurately place them in the appropriate course. Also learn how MyMathTest is used in short refresher programs helping students quickly come up to speed with their prerequisite skills, either prior to course enrollment or while enrolled.



The Foundation campaign theme for 2012 and 2013 is ***Continuing Our Success***. Watch your email and the AMATYC website later this fall for details about fundraising events at the conference in Jacksonville. Prepare for another regional competition!



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Please send address changes to the above  
address or by email to [amatyc@amatyc.org](mailto:amatyc@amatyc.org).

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**Christine Shott**, Publications Director  
**Karoline Shott**, Clerical Assistant

## On-site Conference Registration ♦ Registration Desk (Preconvene Area of Second Floor)

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

Friday, November 9 ..... 7:00 am - 4:00 pm  
Saturday, November 10 ..... 7:00 am - 8:00 am  
Saturday, November 10 ..... 10:00 am - Noon