

36th Annual Conference

Boston, Massachusetts

.....

November 11-14, 2010

.....

Hosted by NEMATYC and
the Northeast Region

www.amatyc.org

Keynote and Breakfast Speakers

Javier Gomez-Calderon
Penn State University
The Treasure of Polynomials

Low Lefton
Georgia Institute of Technology
Infinity Bottles of Beer on the Wall

Featured Speakers

Becky Wai-Ling Packard
Mount Holyoke College
Off-Track to On-Track in Two Minutes?
Faculty Facilitating Transfer

Kimberly R. Pearson
Molecular Insight Pharmaceuticals
*Confidence Intervals for a Proportion in
Introductory Statistics*

Symposium

Connecting Research to Practice in Two-Year College Mathematics
Hosted by: Research in Mathematics Education for Two-Year Colleges Committee

Opening Doors Through Mathematics

CONFERENCE HIGHLIGHTS

Make plans now to attend the 36th Annual AMATYC Conference in Boston, MA, November 11-14, 2010. In addition to Thursday's keynote address and Saturday's breakfast presentation, the program will feature two outstanding featured speakers, a symposium, and three themed sessions: *Emerging Applications: Tomorrow's Careers; Precalculus, Calculus, and Beyond; and Innovative Teaching and Learning Techniques.*

Keynote and Breakfast Speakers

- ❖ **Javier Gomez-Calderon: *The Treasure of Polynomials***
From the early discovery of the quadratic formula, polynomials have been a fundamental concept in the development of mathematics. The speaker will illustrate why polynomials can be considered a mathematical treasure by presenting a historical approach to polynomials!
- ❖ **Lew Lefton: *Infinity Bottles of Beer on the Wall***
Laughing is good for you. Humor helps people loosen up a class and makes them better prepared to learn. The speaker presents a standup comedy routine for mathematically mature audiences. His business card reads: Mathematician/Standup Comic, "He's funny and he can prove it." You be the judge!

Featured Speakers

- ❖ **Becky Wai-Ling Packard: *Off-Track to On-Track in Two Minutes? Faculty Facilitating Transfer***
Using findings from a longitudinal study of 200 community college students pursuing STEM fields, the speaker will share how faculty helped students to get on-track with their transfer goals. Often through only two minute conversations, students gained information, corrected misinformation, or got the boost needed to transfer.
- ❖ **Kimberly Pearson: *Confidence Intervals for a Proportion in Introductory Statistics***
Learn how binomial confidence intervals taught in introductory statistics courses can be used to introduce advanced statistical concepts at an accessible level, allowing students to gain insight into statistical concepts usually reserved for more advanced courses.

Symposium Sessions

- ❖ **Patrick W. Thompson: *Research as Faculty Development***
Research in mathematics education is a pragmatic activity—improving students' mathematical learning and improving the mathematics that they learn. When community college faculty investigate their students' mathematical realities and the sense students make of instruction, research then becomes a vehicle for continual personal development that also contributes to the community's development.
- ❖ **J. Michael Shaughnessy: *Research on Students' Reasoning and Sense Making***
Systematic research on student reasoning and sense making leads to models of student learning, but also can unveil critical issues to consider in our teaching. The speaker will present several examples of research that investigates students' reasoning as they engage in mathematical or statistical tasks, along with implications for instruction.

Symposium Workshop

- ❖ **Vilma Mesa, April Ström, Patrick W. Thompson, and J. Michael Shaughnessy: *Investigating Teaching Practices Through Systematic Inquiry***
This hands-on workshop will extend the ideas presented in the symposium sessions to engage faculty in meaningful discussion. The workshop will propose ways to promote faculty development through collaborative communities and other strategies discussed in research literature.

CONFERENCE REGISTRATION

| | | | | | | |
|------------------|-------------------------------|--------------|--|-----------------|-------------------------------|--------------|
| Discount: | Member | \$340 | | Regular: | Member | \$380 |
| | Non-member | \$445 | | | Non-member | \$485 |
| | Single Day, Member | \$130 | | | Single Day, Member | \$150 |
| | Single Day, Non-member | \$155 | | | Single Day, Non-member | \$175 |

Please contact the AMATYC Office for more information regarding:

- ◆ Member-sponsored student registration
- ◆ Pre-paying conference registration fees

Discount registration deadline: Thursday, September 30, 2010

AMATYC Office

Southwest Tennessee Community College 5983 Macon Cove Memphis, TN 38134
Phone: 901.333.6243 Email: amatyc@amatyc.org Website: www.amatyc.org

HOTEL INFORMATION

The 36th Annual AMATYC Conference begins on Thursday, November 11, 2010, at the headquarters hotel, the **Boston Marriott Copley Place**, located at 110 Huntington Avenue, Boston, MA.

A block of guest rooms at reduced rates has been reserved at the Marriott Copley Place until October 20, 2010, or until AMATYC's room block is sold out, whichever comes first. Any unreserved rooms in the block will be released for sale to the general public after this date. So make your reservations early! Be sure to mention that you are attending the AMATYC Conference if making your reservation by phone. Reservations can be made by calling the hotel at the numbers listed below or at the link on the AMATYC website, listed below.

All hotel rooms will require a credit card guarantee in the amount of the first night's room or one night's deposit at most fourteen days after the reservation is confirmed by the hotel but before the October 20 cut-off date. Personal checks, money orders, or a valid major credit card will be needed for the deposit. All reservations made online with a credit card will receive an acknowledgement number immediately. After the cut-off date, individuals will receive a hotel confirmation number from the Marriott. Either number can be used to check-in, but the Marriott confirmation number is preferred. **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. Deposits will not be refunded for rooms cancelled less than 72 hours prior to arrival. Name changes may be made up to three days prior to arrival at no charge.

To help AMATYC keep your conference costs reasonable, be sure to mention that you are attending the AMATYC Conference when contacting the hotel. **Rates cannot be changed at check-in or check-out for guests who fail to identify their affiliation at the time the reservation is requested.**

Boston Marriott Copley Place

110 Huntington Ave. ♦ Boston, MA 02116

Reservations: 506.474.2009 / 800.266.9432

Reservations Website: www.amatyc.org/Events/conferences/2010Boston/housing.html

Room Rates

Single/Double Occupancy
Additional Person

\$ 199*
\$ 20

**Room rates are quoted exclusive of applicable state, local, and occupancy taxes that are currently 14.45% (subject to change) or applicable service, or hotel-specific fees in effect at the time of the meeting.*

PLACES TO VISIT IN BOSTON

- ♦ Beacon Hill
- ♦ Boston Common
- ♦ Boston Public Gardens
- ♦ Bunker Hill
- ♦ Bunker Hill Community College
- ♦ Cambridge - Harvard and MIT
- ♦ Cheers Bar
- ♦ Chinatown
- ♦ Christian Science Mother Church and Mapparium
- ♦ Copley Square
- ♦ Faneuil Hall
- ♦ Fenway Park
- ♦ Freedom Trail
- ♦ Government Center
- ♦ JFK Library
- ♦ Museum of Fine Arts
- ♦ Museum of Science
- ♦ Newbury Street
- ♦ New England Aquarium
- ♦ North End - Little Italy
- ♦ Old and New State House
- ♦ Old North Church
- ♦ Old West Church
- ♦ Paul Revere House
- ♦ Prudential Center
- ♦ Quincy Market
- ♦ Roxbury Community College
- ♦ Sam Adams Brewery
- ♦ Site of Boston Massacre
- ♦ South End
- ♦ Symphony Hall
- ♦ Theatre District
- ♦ Trinity Church
- ♦ USS Constitution - "Old Ironsides"
- ♦ West End

More information about these and other attractions can be found at www.bostonusa.com.

Boston Conference Committee

Conference Coordinator

Keven Dockter

keven.dockter@anokaramsey.edu

Local Events Coordinator

Jack Keating

jkeating@massasoit.mass.edu

Program Coordinator

Wanda Garner

wagarner@cabrillo.edu

Presider Chair

Bob Malena

bmalena@ccac.edu

Advertising Chair

Louise Olshan

Lolshan@ccm.edu

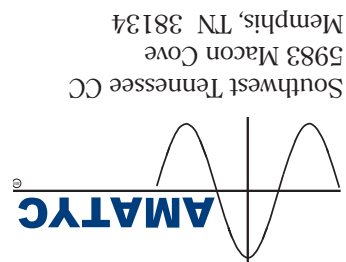
Exhibits Chair

Jay Martin

jemartin@waketech.edu

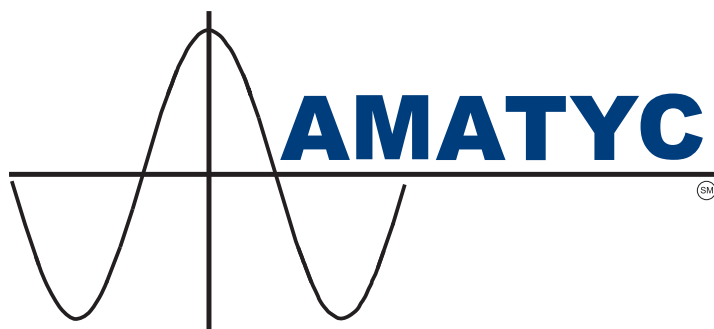
36th Annual AMATYC Conference
November 11-14, 2010

Advance Conference Information



American Mathematical Association of Two-Year Colleges

Advance Conference Information



36th Annual AMATYC
Conference
Boston, Massachusetts

Thursday—Sunday
November 11-14, 2010

Watch for the Miniprogram and
Registration Information in August.